Higgins, Lori (MSP)

From:	Kelenske, Chris (MSP)
Sent:	Tuesday, January 26, 2016 9:16 PM
To:	Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Snyder, Rick (GOV); Calley, Brian (GOV); Creagh, Keith (DEQ)
Cc:	Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)
Subject:	SEOC Update 1/26/16 - Flint Water - Limited Distribution
Attachments:	20160126_1700_Parcels_Contacted.pdf; 20160126_1700_Parcels_Filter_Status.pdf; 2015-10-01 City of Flint Water Contamination-Shortage SitRep 21 2016-01-....pdf

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/26/16 – 22th Day (21th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas.

Attached Documents:

- Sit Rep # 21
- Maps:
  - Parcel Contact Status, includes data as of 5 pm today.
    - The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
    - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- Press conference to be held in Flint with the Governor, Mayor and some state agency personnel.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- We have taken a significant number of paper records from the ARC WRTs so we can get the data entered into our system. MSP HQ staff has been pulled to the SEOC for data entry. These are a portion of the records the ARC had as

7. **Cases of Bottle water distributed (each day and to date):**
    a. 7,862 were distributed on 1/26/2016, and total distributed to date is 186,309.
8. **Number of testing kits distributed (each day and to date):**
    a. 403 were distributed on 1/26/2016, and total distributed to date is 29,841.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642**;
    *this data is updated bi-monthly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
        *this data is updated bi-monthly
11. **Number of homes with safe drinking water:**
    a. **1,099** homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.
    *This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – *Phase II questions were developed to help clean this up.*

Local EOC

- *Delivered iPads to warehouse and provided on-site training to drivers, followed with written instructions.*
- Facilitated recycling planning meeting and planned for implementation of the program.
- Attended local "Pastors and Police" meeting to coordinate water distribution plan with faith-based organizations
- *Planning for a transition of operational control to local level.*
- Coordinated the incoming donations of water and filters through the Michigan Community Service Commission.
- Coordinated volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/25/16 – 21th Day (20th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- *Receive, store, and increase quantities of supplies.*
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- *Prepare appeal on denial of Category B under the Presidential Emergency Declaration.*
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas

Attached Documents:

- Sit Rep # 20
- Michigan Department of Health and Human Services Situation Report for January 20, 2016
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first map indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.

- The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).

Items to Note

- 11 ARC Flint Water Response Teams to the field today.
- 8 EPA PIOs will be in the JIC tomorrow. The JIC is unaware of the role or expectations at this time.
- Reference the rash I discussed on the call tonight:
  - There was one specific complaint about rashes that Community Health personnel plan on working with ATSTD/CDC. DEQ is requesting that EPA collect all appropriate water samples to enable a full analysis of the water at the address (an apartment) for bacterial contamination, and a full metals and organics panel. Lead is not associated with skin rashes, but other contaminants are and DEQ wants to find out what, if any, other contaminants are in the water.
  - It was also discussed that it would be ideal if Community Health can forward to the EPA the other addresses and contact information for which they've received complaints of rashes, so that EPA could also test there for appropriate parameters to see if we can identify a cause.
  - SEOC DEQ desk will continue to monitor and work this issue.
- SEOC OPS, Health, MDEQ SEOC, Logistics participated in conference calls with the Governor's office and private partners on potential alternative filtration systems for schools, daycares, etc.
- Created a form for drivers to track rapid response deliveries.
- Media avail at fire station 8 this morning received positive news coverage.
- The NAACP is holding a public meeting at U of M Flint on Tuesday.
- Rachel Maddow will hold a town hall meeting on Wednesday. MSP Third District Commander advised.
- Developed new Incident Action Plan (#7 published in MICIMS) and ICS 204s for the new operational period (1/26/2015-2/2/2016).
- MDOC assumed all warehousing responsibilities today.
- Reviewed state agency financial information received for update to current spend plan.
- Information reported to the JIC:
  - As of 1/25/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Mission 1/25/2016
30,770	37,844	2,596 – ARC*

*American Red Cross data has not been entered in the app, but is currently being caught up. Starting January 26, 2016, the American Red Cross has been instructed that iPads must be used in the field for data entry in order to clearly capture the homes that have filters.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	176,118
b. Filters	93,048
c. Filter cartridges	198,552
d. Test kits	29,320

3. Total number of customers on the Flint water system
   a. 29,994 current water system subscribers

b. ~45,000 hookups (This is our high end target #)
c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
   a. Cases of water 141,982 (additional 24,634 donated)
   b. Filters 124,052
   c. *Filter Cartridges 285,586*
   d. Test kits 62,701

   * Numbers have not been updated due to the following circumstances:
   - Outstanding donations and inventory at the warehouse which has not been reported to the SEOC. Staff in the SEOC is working with donations management and warehouse to reconcile numbers.
   - Outstanding data from GCCARD on deliveries from 1/8-1/12. Staff in the SEOC and local EOC is working with GCCARD to obtain data.
   - *At the beginning of tracking the planning factor used was 72 cases of water per pallet and 22 pallets per semi-truck. Per bill of lading received from the warehouse today, it has been identified that this assumption is not correct. Staff is working to reconcile numbers.*
5. Teams going out tomorrow:
   a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
   a. 1/25/16, as of 5 pm, 2,596 homes were visited today.
2. **Total number of homes visited:**
   a. Phase II: 37,844
   b. Targeted Canvassing Mission: 2,596
3. **Total number of National Guard on the ground:**
   a.
      i. Number in PODs: 60
      ii. Command and Control Staff for NG Personnel: 5
4. **Total Number of Volunteers each day:**
   a. 135 volunteers for 1/25/2016.
5. ***Number of homes with filters:***
   a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
   a. 1,151 were distributed on 1/25/2016, and total distributed to date is 93,048.
7. **Cases of Bottle water distributed (each day and to date):**
   a. 9,514 were distributed on 1/25/2016, and total distributed to date is 176,118.
8. **Number of testing kits distributed (each day and to date):**
   a. 478 were distributed on 1/25/2016, and total distributed to date is 29,320.
9. **Number of people tested for *elevated blood levels (kids, adults, total):***
   a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642;**
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
       i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
       ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
       iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
11. **Number of homes with safe drinking water:**
    a. *1099 homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.*

GIS Information

I have had numerous discussions with GIS staff as to getting our data validated and as close to final as possible. We are tracking 38,144 residential properties within the city (noting large apartment complexes are classified as commercial so they are not a part of this). Of these:

- 34,318 have been engaged by Flint Water Response Teams and PODs (90%) - The remaining 10% is going to be a focus for the teams in the near future
- 23,281 have led to a direct citizen engagement (61%)
- 5,173 were not home during any attempt to visit and have not been recorded as having visited a POD (14%)
- 5,864 of the properties the teams visited were vacant or destroyed (15%)

Additionally, we have been tracking the status of "Active Water Subscribers" from the Flint Department of Public Works. These are residential properties which have meters put on the homes by the city. Of the total 29,994 subscribers citywide, 26,673 have been confirmed as being on residential parcels. Of the 26,673:

- 18,487 Have been confirmed as having received a filter by the Flint Water Response Teams or PODs (69%)
- 3,928 Were not home when visited (15%)
- The remaining 16% we have no data to confirm or deny whether they have a filter

Of special significance from the water subscriber data is that the old lead maps that we are digitizing from the Flint Water Department contain 993 suspected homes with lead lines in them. Of these only 659 have received a filter.

It is significant to note that we are continuing to receive paper forms from the field and processing them. The ARC and volunteers were specifically told to use the App and we provided Ipads but tonight I was told this was not being done by everyone which has caused us some lags in data. This is likely improve the overall numbers as we process historic records (ARC had ~7,000 of these records).

It cannot be reiterated enough that data is still coming in and we are still actively cleansing it.

Local EOC

Operations:

- Coordinated with Foodbank of Eastern Michigan for issuing of Resource Request.
- Coordinating and following up on vehicle demobilization.
- Facilitated rapid response deliveries to special locations.
- Finalizing components of recycling program.
- Received authorization to operate bottle collections for recycling at Fire Station 1 and 5 PODs.
- Initiated activities to plan for inclusion of institution sampling (schools, daycares, nursing homes, etc.) in Genesee County EOC IAP.
- Coordinating volunteer management with Michigan Community Service Commission.

Chris

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Update 1/24/16 – 20th Day (19th Full Day) After Governor's Declaration of an Emergency

I have asked state agency SEMCs to archive their SitRep items so you only have current operational period information in the SitRep Agency Summaries. Director Creagh added to daily report.

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs).
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- *Situation Report # 19*
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first one indicates based upon the outreach that has been conducted, which parcels have we had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- WRTs with NG personnel are transitioning out. No field teams. NG will continue to staff the PODs.
- Tony Katarsky will be acting SEOC State Director. Capt. Kelenske not in the SEOC - available by phone (in the Holland MI area).

Items to Note

- Deployed 15 National Guard/state/local teams and 19 ARC Flint Water Response Teams to the field today.
- JIC was operational with limited staff out of the SEOC today. Co-located JIC in Flint will be back and operational tomorrow.
- SEOC Logistics worked with MDOC on warehouse management transition.
- Recovery Branch began demobilization of trucks and vans.
- Demobilization of National Guard Water Response Teams will be effective as of Monday, January 25.
- School for the Deaf
    - As of 1/23/16: LARA and DEQ teams on site; water testing complete in school building and LRC dorm. Stevens Hall will be tested when landlord finishes upgrades.
    - As of 1/23/16: all water faucets replaced in Stevens Hall. 3 new drinking fountains on order; expected mid-week. Once fountains are installed, Stevens Hall will be scheduled for water testing.
- SEOC Finance Donations Management team to obtain list of donors and donations for FEMA request.
- SEOC Planning Section worked on burn rate data from FWRT and PODS for FEMA request.
- GIS continued to clean up V2 Dataset (patched approximately 1000 records).
- GIS coordinated with the DEQ to transfer lead service line mapping to their GIS department tomorrow. Wall maps showing known lead service lines based off of geographical locations and zip codes provided for Chief Hagler, SEOC DEQ staff and Director Creagh.
- Out of 37,003 homes visited, 5,660 were not home/did not answer. The number of homes visited is lower than the Phase II number as some duplicate contacts at addresses were eliminated.
- Information reported to the JIC:
    - As of 1/24/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	1/24/2016
30,770	37,844	7,012 National Guard/State/Local 4,132 ARC

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	164,991
b. Filters	91,763
c. Filter cartridges	197,775
d. Test kits	28,763

3. Total number of customers on the Flint water system
    a. 29,944 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 141,982 (additional 24,634 donated)
    b. Filters 124,052
    c. Filter Cartridges 285,586
    d. Test kits 62,701

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Additional Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/24/16, as of 5 pm, 11,144 homes were visited today
2. **Total number of homes visited:**
    a. Phase II: 37,844
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Number on Cyber Mission.
        iii. Number with FWRTs:
        iv. Command and Control Staff for NG Personnel
4. **Total Number of Volunteers each day:**
    a. 315 volunteers for 1/24/2016.
5. ***Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 4,920 were distributed on 1/24/2016, and total distributed to date is 91,763.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 16,125 were distributed on 1/24/2016, and total distributed to date is 164,991.
8. **Number of testing kits distributed (each day and to date):**
    a. 3,177 were distributed on 1/24/2016, and total distributed to date is 28,763.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.

11. **Number of homes with safe drinking water:**
    a. 577 homes, per data from September 3, 2015 to January 20, 2016. Note, per MDEQ, this data is from **uncontrolled samples** provided by residents.

*This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

Operations:

- Distribution of supplies at five water resource sites in the City of Flint.
- Door-to-door distribution of supplies with 34 water response teams (19 ARC volunteer teams, 15 MSP/GCSO/NG teams).
- Facilitating rapid response deliveries to homebound residents and special locations by three teams staffed by Team Rubicon, and Lt. de Castro (MSP/EMHSD).
- Improved logistics for rapid response teams by providing transportation and iPads starting on 01/25/2016.
- Coordinated with ARC for distribution of additional iPads for data entry.
- Identified alternative warehouse locations for lose donations.
- Directed volunteer requests to appropriate state agencies.
- Started coordination for resource demobilization.
- Coordinated with 22 churches so they had water, filters, etc. Delivered Saturday. Some advised they were set with supplies. Lt. Roach (MSP District Coordinator will maintain contact with Pastors).

Chris

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Update 1/23/16 – 19h Day (18th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- *Increase efficiency of warehouse operations*
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs

Attached Documents:

- SitRep 18

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 15 National Guard/state/local agency, type 3 teams (6-9 personnel).
- We will have 40 ARC, type 5 teams (2-4 personnel).

Items to Note

- Deployed 15 state/local teams and 40 ARC Flint Water Response Teams to the field today.
- Created a media monitoring report and looked for misinformation. A call was made to WILX to amend their article that implied that the State was not distributing water to undocumented immigrants. The news release was also sent to WILX about how the State is not requiring identification to receive water resources.
- SEOC Logistics worked on future resource planning and a local business commodity supply plan.
- Drafted talking points for Monday's press conference with Governor Snyder, Colonel Etue, and the Mayor.
- Put in place a place to control POD distribution as much as possible. SKU numbers are being lined out on commodities to prevent or minimize returns for cash.
- Information reported to the JIC:

    - As of 1/23/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

To Date	1/23/2016
37,943	6,323 National Guard
	7,361 ARC

2. Distributed: Includes outstanding data from yesterday- PODs after 5 pm, ARC worksheets and local EOC hotshots

Commodity	Total to Date
a. Number of cases of water	148,866
b. Filters	86,843
c. Filter cartridges	194,622
d. Test kits	25,586

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 133,662 (additional 24,634 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

5. *Teams going out tomorrow:*
    a. lational Guard State ype 3 teams—Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot/Rapid Response Team process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas. The city identified some but they are just as bad as the current ones.
- Working on finalizing a recycling plan for the incident.
- Lt. Roach sent up the church information to Tom Webber. She also received one church site that will act as a potential church mega site.
- SEOC GIS to provide a layer for the vulnerable populations so that Team Rubicon can get to them and track in the iPad.

New Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/23/16, As of 5 pm, 13,684 homes were visited today
2. **Total number of homes visited:**
    a. 37,943, does include duplicate counts from the second canvasing
3. **Total number of National Guard on the ground:**
    a. 276
4. **Total Number of Volunteers each day:**
    a. 310 volunteers for 1/23/2016
5. **Number of homes with filters:**
    a. *17,595 homes had filters, per entered GIS data as of 1/22/2016,*
6. **Number of Water filters distributed (each day and to date):**
    a. 4,156 were distributed on 1/23/2016, and total distributed to date is 86,843
7. **Cases of Bottle water distributed (each day and to date):**
    a. 27,462 were distributed on 1/23/2016, and total distributed to date is 148,866
8. **Number of testing kits distributed (each day and to date):**
    a. 2,171 were distributed on 1/23/2016, and total distributed to date is 25,586
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time until we get the data
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time until we get the data
11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. Unknown at this time

Chris

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Update 1/22/16 – 18h Day (17th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Plan for next phase with MSP and NG personnel
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep # 17
- Briefing provided to the HHS Undersecretary by FEMA (due to time only finished 75%)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- National Guard/State/Local) type 3 teams
- 40 ARC (2-4 folks) type 5 teams
- Deliveries going out to all churches on our list we have been working with (21) for Sunday services.
- I will not be in the SEOC Saturday. Tony Katarsky will be the acting SEOC state director. I will be available by phone (wrestling meet).
- Sunday, Lt. Mike Johnson will be acting SEOC state director but I may be in for some of the day.
- Monday I am out on a college visit with my son...I will be available by phone and Tony will again be acting.

Items to Note

- Deployed 15 state/local teams and 15 ARC Flint Water Response Teams to the field today.
- SEOC Operations worked on getting local contact into the JIC along with developing messaging for resources and donations.
- SEOC Planning worked on the further development of long term strategy.
- Recovery branch continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday.
- SEOC logistics worked with FEMA/DHHS on warehouse tracking status/strategy, coordinated resources, and donations management.
- Have had a number of media request concerning resources for immigrants and population less proficient in English. Clarified with a news release that we are not requiring ID but we are asking for addresses to assist with long term recovery. Nobody will be denied resources if they fail to provide us an address.
- Have received numerous inquiries from celebrities on how they can assist and donate.
- We are validating a lot of data but what we have currently is 38,144 parcels in Flint that are not considered "vacant". This does not mean all parcels have a tenant, there are a lot of houses that are empty.
    - 26,673 water subscribers in Flint (not including franchise).
        - Water Subscribers with a Filter = 15,399 (57.7%)
        - Water Subscribers without a Filter = 11,274 (42.2%)
            - With our second pass we are getting more information as to why people do not have a filter. Looking into whether these include homes connected but nobody currently living there. We are refining the data.
    - 11,471 Non-Water Subscribers in Flint.
        - Non Water Subscribers with a Filter = 2,196 (19%)
        - Non Water Subscribers without a Filter = 9,275 (81%)
    - The SEOC Ops Chief has been directed to firm up all numbers with GIS. We have a GIS specialist from FEMA Region V also deployed to the SEOC to assist. ArcGIS has advised us that the amount of data we have collected is more than some major disasters in other states. We are looking into getting their personnel more engaged to ensure we are using all the tools available for analysis.
- SEOC Finance Chief is working on costs to date and all SEMCs were advised to tighten up their records and ensure we have accountability of all costs.
- Information reported to the JIC:

    - <u>As of 1/22/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)</u>

1. Homes visited by the FWRTs to date.

To Date	1/22/2016
37,697	5,920

2. Distributed: Includes outstanding data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots.)

Commodity	Total to Date
a. Number of cases of water	121,404

b. Filters	82,687
c. Filter cartridges	191,704
d. Test kits	23,415

3. Resources purchased:
    a. Cases of water 130,782 (additional 21,682 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

4. Teams going out tomorrow:
    a. National Guard State ype 3 teams -- Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas.
    - Working on finding a new POD for 3 and 6. We are aware that the mayor would need to approve this.
- Coordinated water donations and delivery areas.
- Last minute large donations of water and volunteers expected during the weekend.
- Working on finalizing a recycling plan for the incident.
- The Jail water has been tested and is fine. The prisoners are not being poisoned and the local health department is working on clearing this issue up.
- Working on a plan with the churches to have 4 mega sites for churches (N,E,S,W) and have smaller churches work through these sites to get supplies. Churches are interested in the recycling program, putting information in their bulletins and also used a collection sites.
- Team Rubicon is coming tomorrow to assist with home deliveries.
- Continuing with recycling plan. Need to identify sites with city. Local EOC has visited areas with the local contractor.

Chris

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Update 1/21/16 – 17h Day (16th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) - "Phase II"
- Plan for next phase with MSP and NG personnel for Governor approval – "Phase III"
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep 16
- Draft Water Operations Plan for moving to next phases (Discussion document)

- Resident Water Sample Results Map (Not for public distribution)
- January 13-19 comparison map

Status on Governor's request letter to the President

- Emergency declaration received. Pending decision of Major Disaster appeal and any denials under the Emergency Declaration (e.g. Category B). We have not been denied category B yet ... POTUS/FEMA has not given it to us though. I believe we may get a denial of category B in conjunction with the Major Disaster appeal decision. We will have 30 days to appeal.
    - Category B is critical in that it is for Emergency Protective Measures which includes (but is not limited to EOC related costs, supplies and commodities, safety inspections, and in limited circumstances "water testing and treatment supplies in the immediate aftermath of the incident to counter a specific threat." We purposely put our start date of this incident to be April 25, 2014 in hopes we get category B and could get 75% federal funds for many other costs all the way back to 2014 – long shot but would be huge if we land this.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard/state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 15 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- We are using the terms Phase II, Phase III, etc. These are for internal discussion for planning and not meant for public dissemination at this time unless it is determined to be beneficial.
- The draft operations plan (attached) was completed in conjunction with MSP and NG personnel to initiate discussion on our next steps as to WRTs and PODs.
- The WH issued a statement that $80 million dollars in aid to MI mostly to repair Flint water infrastructure. We do not have additional information on this. This may be existing federal funds provided to MI that is just being opened up for other use. FEMA does not have any information on this.
- We have been advised we exceeded the $5 million under the emergency declaration. We are at $7.6 million.
- FEMA has advised that any donated items can be used to offset the state cost share. We are working on the mechanism with FEMA to do this.
- Deployed 18 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- SEOC logistics worked to project future orders of water resources and commodities.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- DEQ test kits are only being provided to those who ask for them.
- I made contact with Senator Ananich aid, Julie Townsend, who was a POC for his volunteers. They are set to work next week on the 30th.
- MDOT met with city personnel to look at Station 6 POD and other PODs to see how traffic flow can be facilitated and safety increased. Additional report out due 1/22.
- A request from MSP MC3 for NG Cyber personnel (3 at $32,000 for 30 days or less) was initiated. This is to assist with the cyber attacks that have occurred/future attacks related to Flint Water. PENDING APPROVAL. NG advised this would have to be funded with existing funds at this time and to make adjustments.
- MDARD Food Program staff have completed assessments of all 21 food businesses (including restaurants) that were located in the highest risk area. In addition, they have completed assessments at 34 food businesses in the medium risk area, and have scheduled 28 appointments to collect water samples.
- Dr. Nicole Lurie, the Assistant Secretary for Preparedness and Response from the US Department of Health and Human Services (HHS), in addition to the HHS Regional Coordinator and other CDC staff, visited the CHECC and SEOC this morning and provided commentary to CHECC and SEOC staff/EMCs. She also attended a briefing from FEMA before departing to visit Flint.

- Parents of boarding students at the Michigan School for the Deaf were notified of the elevated lead results in Stevens Hall. All fixtures in the dormitory are scheduled to be replaced by January 24, 2016. Lt Gov. has scheduled visit on January 25.
- Valley Area Agency on Aging (VAAA) continues to take calls from seniors and caregivers needing access to water and filters. VAAA is providing this information to the local EOC each afternoon for follow-up.
- Information reported to the JIC:

    - As of 1/21/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase 1	Phase 2
30,770	5,409

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.

Commodity	Phase 1	Phase 2	Total to Date
a. Number of cases of water	94,688	10,403	105,091
b. Filters	77,215	2,356	79,571
c. Filter cartridges	188,389	1,039	189,428
d. Test kits	20,037	1,588	21,625

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes/multi family (The is the low end target #)

4. Resources purchased:
    a. Cases of water 124,398 (additional 20,098 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. *Teams going out tomorrow:*
    a. 3 National Guard/State/Local type 3 teams -- Goal tomorrow 300 homes per team
    b. 15 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

• Attended ARC meeting with VOADs to discuss volunteer management and strategies.
• Attended meeting with Plumbers and Pipefitters Union to assess the need for long term cooperation for filter installation and fixture
replacement.
• Requested and received confirmation of deployment of Team Rubicon (starting on 01/23/2016).
• Facilitated Flint & Genesee Chamber of Commerce representation at the EOC.
• Addressed security issues at Fire Station 3, 6 and 8 PODs (residents concerned about criminal activity).
• Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
• Met with Genesee County Planning Commission, United Way of Genesee County and Michigan Community Service Commission to clarify
recycling plans and potential volunteer utilization.
• Coordinated and verified deliveries of supplies to apartment complexes.

• Identified potential locations for recycling stations.

Chris

Update 1/20/16 – 16th Day (15th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for second phase of door to door operations
- Submitted appeal to FEMA Region V
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration

Attached Documents:

- SitRep 16

Status on Governor's request letter to the President:

- Emergency declaration received.

Key items for tomorrow to note are:

- Five copies of the State/FEMA agreement will need to be signed by the Governor. Capt. Kelenske has them and will coordinate delivery.
- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard (MSP supported), type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- Dr. Luri from HHS will be at the SEOC ~10:00 p.m.
- A second phase is starting tomorrow which will include more refined questions as to type of filter systems each person has. This will assist with sustainment operations.
- DOC prison work crew personnel (6-7) will be at the warehouse to keep the area clean. A lot of trash is generated in the warehouse and was becoming an issue.

Items to Note

- Deployed) state/local (NG, MSP, Local) teams and 10 ARC Flint Water Response Teams to the field today.
- MSP and local Sheriff's Department continue to provide over watch for WRTs.
- Aqua Hydrate contacted me to donate 5000 cases a month (4 semis) for a year. I was advised by Lindon Nelson this was a Governor/Mayor/Senator Ananich and Meekhof initiative and a press release was going to go out soon (TBD). Logistics is following up with them.
- News release sent from Governor's office about the appeal to the President of the disaster declaration.
- SEOC Logistics worked with JIC and Governor's office to establish a business resource submission tab on www.helpforflint.com
- SEOC Operations continued to develop and finalize Phase 2 canvassing roll out.
- Meeting held with Dr. Luri from HHS.
- Capt. Kelenske and other state agency financial personnel attended the appropriations hearing.
- End of day – concerns with the mass amounts of volunteers showing up and wanting to help. This can cause logistical issues but staff was working to get additional tasks for volunteers outside of the WRTs. We will continue to work on ways to involve more volunteers.

- Additional 5 person NG team for warehouse support approved.
- Information reported to the JIC:

    - As of 1/20/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 29,317 homes visited by the FWRTs to date.

    2. Distributed: Includes outstanding hard copy data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots).
        a. Number of cases of water 90,337
        b. Filters 73,229
        c. Filter cartridges 185,852
        d. Test kits 19,866

    3. Total number of customers on the Flint water system
        a. 29,944 paying customers
        b. 45,000 hookups (This is our high end target #)
        c. 39,000 includes apartment complexes (The is the low end target #)

    4. Resources purchased:
        a. Cases of water 111,630 (additional 18,502 donated)
        b. Filters 115,700
        c. Filter cartridges 243,200
        d. Test kits 61,161

    5. Teams going out tomorrow:
        a. 8 *National Guard* *type 3 teams---Goal tomorrow 300 homes per team*
        b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Addressed reports of water contamination in distributed bottled and canned water. Confirmed that water is safe to drink through testing by MDEQ. Coordinating with JIC and MDEQ for improved public information on the issue.
- *Identifying options to reroute unsolicited offers for supplies and services outside of the EOC. Coordinating to set* up 800 number.
- Attended meeting with Flint & Genesee Chamber of Commerce to discuss coordination of efforts, representation at EOC, and improved messaging.
- Attended meeting with Community Foundation of Greater Flint to discuss coordination of neighborhood groups and improved messaging.
- Coordinated with MDARD to provide additional lead testing at restaurants, and signage for safe locations.
- Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment
- Coordinated and verified deliveries of supplies to apartment complexes.
- Discussed logistics requirements of delivery requests for homebound residents with SEOC Logistics.

Chris

Update 1/19/16 – 15th Day (14th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Prepare plans for next phase of operation – Second sweep of city

Attached Documents:

- SitRep 14

Status on Governor's request letter to the President:

- Emergency declaration received.
- Appeal letter pending.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have National Guard, type 3 teams l), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 5 state/local teams and 11 ARC Flint Water Response Teams to the field today.
- Messaging being developed for concerns regarding the Total Dissolved Solids (TDS) meters and citizens' concerns with those meters indicating "lead" in bottled water. Testing of water to be done by DEQ to ensure we have solid messaging.
- DTMB is working to secure space in Flint for FEMA staff.
- Press release went out this afternoon to announce that the US Department of Health and Human Services will lead the federal response in Flint. Capt. Kelenske to meet with Dr. Nicole Lurie, HHS Assistant Secretary for Preparedness and Response (ASPR), on Thursday. The goal of the federal response will be to help state and local leaders identify the size and scope of the problem, and work with them to make and execute a plan for mitigation of the short- and long-term health effects of lead exposure.
- 5 Additional NG personnel being requested to assist with Warehouse inventories.
- 100 NG personnel on the ground with the WRTs tomorrow with 100 more transitioning in.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- LG is going to be in Flint working at one of the PODs on Wednesday.
- Information reported to the JIC:

  - As of 1/19/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 22,129 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.
   a. Number of cases of water 77,794
   b. Filters 69,730
   c. Filter cartridges 184,457
   d. Test kits 16,671

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 95,760 (additional 16,056 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard ype 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Attended public health group meeting with GCHD, City of Flint Water Department and MDEQ to discuss water test information being returned to residents, to allow residents a greater understanding of results.
- Attended recycling/trash management group meeting with DEQ, Republic Services, Keep Genesee County Beautiful and Genesee County Planning Commission. Provided projections on current and anticipated bottle distributions.
- Coordinated deliveries of supplies to faith-based organizations, apartment complexes and homebound residents
- Coordinated with Comcast to set up locations for distribution of filters (distributed 60 filters on 01/19/2016).

Chris

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Update 1/18/16 – 14th Day (13th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) and PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.
- Complete appeal for Presidential Major Disaster Declaration denial.

Attached Documents:

- SitRep 13
- Side by side comparison of homes with filters January 13th compared to January 18th. This should be hitting the media tonight. This took longer to create than I wanted but is the image I have wanted to show progress of getting filters in to the field.

Status on Governor's request letter to the President:

- Appeal in process.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.

- We will have 5-6 state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
- We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- NG will be bringing in personnel to prep for surge.

Items to Note

- Beginning tomorrow the operational periods will be 7 days long.
- The CDC/ATSDR (Agency for Toxic Substances Disease Registry) has deployed a team to Michigan.
- An Arabic version of the palm card was reviewed and approved. This was developed via Arab American and Chaldean Council.
- Deployed 12 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- DTMB is working to secure space in Flint for FEMA staff.
- Cost analysis to investigate if it would be more cost effective for FEMA to purchase water vs the SOM.
- ARC news release concerning the Volunteer Reception Center (VRC) sent out today.
- Media availability conducted today at 3pm at the VRC.
- Since 1/14/16 Michigan 2-1-1 has received three direct reports of bottled water testing positive for lead. DHHS SEOC Desk and DEQ SEOC Desk was able to contact two of the callers. The Zero Water filter (pitcher) has a handheld test device so people know when to change the filter. This TDS Meter measures dissolved solids (it is not a lead test). This was explained and we are going to work on messaging to ensure this does not cause issues. Dissolved solids are in all water. The water from the callers is going to be tested and a case of water from one of the companies will also be sent to DEQ for testing. Brands are Spartan Spring Water and Canned Water for Kids. The filter company is also going to work on messaging and work with us on this matter.
- Information reported to the JIC:

    - As of 1/17/16 as of 5 pm (start date was Tuesday, 1/12/16)

1. 21,393 homes visited by the FWRTs to date.

    2. Distributed:
        a. Number of cases of water 37,313
        b. Filters 53,713
        c. Filter cartridges 169,520
        d. Test kits 7,379

    3. Total number of customers on the Flint water system
        a. 29,944 paying customers
        b. *45,000 hookups (This is our high end target #)*
        c. 39,000 includes apartment complexes (The is the low end target #)

    4. *Resources purchased:*
        a. Cases of water 82,992 (additional 16,056 donated)
        b. Filters 115,700
        c. *Filter cartridges* 243,200
        d. Test kits 61,161

    5. *Teams going out tomorrow:*
        a. State f type 3 teams---Goal tomorrow 300 homes per team
        b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Continuing to work with faith based organization to distribute resources.
- Working with colleges to obtain volunteers for canvassing.

Chris

Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs), PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
  - Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state agency, type 3 teams - l), with a goal of 300 homes per team.
  - We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 11 state/local teams and 10 ARC Flint Water Response Teams to the field today.
  - 4,963 homes visited today.
- DTMB is working with DSEMIC and NC3 to monitor social media for information on cyber-attack yesterday.

01/16/16

- Approximately 5:00PM, Michigan.gov began to experience slowness in web page load time. Approximately 10 minutes later the Michigan.gov site became inaccessible caused by of a denial of service attack.
- IBM team was able to implement a mitigation strategy to stop the attack that began at 5:00PM. At 6:24PM the michigan.gov websites were again available to the public.
- Approximately 7:30PM, a new attack was initiated on the michigan.gov environment. The attack focused on the DNS servers and resulted in michigan.gov becoming inaccessible. Additionally, due to the nature of the attack other IBM customers were affected as well. IBM was able to implement a new mitigation strategy that resulted in the excessive traffic being blocked. At 7:53PM the websites were restored to normal operation.
- Shortly after the michigan.gov websites were restored, the State of Michigan was notified by our internet service providers that a DDoS attempt was made against our SOM DTMB servers in the external DMZ. Once detected, this attack was blocked and Michigan Cyber Security saw no signs of any other types of attacks.

01/17/16

- Genesee County was unable to access MiCIMS due to the State increasing filters. Michigan Cyber Security made adjustments to filter settings and their access to MiCIMS was restored.
- DTMB reached out to the City of Flint CTO, Paul Knific, offering any support they need. Right now they feel they have bigger issues than trying to get some of the things back online.

We currently do not have any additional information on the attacks on the City of Flint (cityofflint.com) or Flint Township Police (flinttownshippolice.org) websites. We'll continue to pass information along as we receive it.

- Information reported to the JIC:

  - As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
   a. Number of cases of water 27,195
   b. Filters 50,432
   c. Filter cartridges 168,605
   d. Test kits 4,861

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:
   a. ! State s) type 3 teams---Goal tomorrow 300 homes per team
   b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.
- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies

- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state agency, type 3 teams l), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.
- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed 11 state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- NG will have a total of personnel in the PODs for distribution. Mission has not changed.
  - NG soldiers have been in the PODS. more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.
- Information reported to the JIC:

  - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

2. Distributed:
   a. Number of cases of water 20,876
   b. Filters 47,935
   c. Filter cartridges 167,401
   d. Test kits 3,322

3. Total number of customers on the Flint water system
   a. 29,944 paying customers

b. 45,000 hookups (This is our high end target #)
c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:
   a. State type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

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Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed
- Continue with door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.

- When we get the declaration(s) ... I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have 10 state agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
  - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).
- I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 1 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.

  - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
   a. Number of cases of water 18,576
   b. Filters 45,916
   c. Filter cartridges 165,382
   d. Test kits 3,217

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 44,688 (additional 12,884 donated)
   b. Filters 78,520
   c. Filter cartridges 163,081
   d. Test kits 18,761

5. Teams going out tomorrow:
   a. State) type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.
- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.
- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.
- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.
- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.
- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but it appears we have filters in over half the residences):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	3417	394	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	3741			
Future sample test site	114	28	34	52

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and close lease on warehouse space
- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- Continue to work on Governor's Declaration of an Emergency

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
    - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
    - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
    - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
    - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA
- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- The door to door teams will continue at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- MNG will have a press event at the armory with incoming soldiers and MG Vadnais.

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.

- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP get supplies, receive a mission location and deploy.
- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377
Resources			
Door Hangars	473	217	256
Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. The current plan includes:
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.
            - Local EOC support for other local requests (Faith based for distribution, etc.)
        - Three warehouse locations at this time
        - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.
    - Water (cases) - 19,152 cases delivered

- Budget projection completed and will be submitted to SBO for review.

- Notes from Water Response Team Command (MSP)
    - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
    - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
    - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)

Attached Documents:

- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:

- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
    - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
    - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
    - Ordered:
        - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
            - 1/3 is going to GCCARD and the rest is going to the new warehouse
        - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
  - Today's numbers
    - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
      - 2,000 – Brita filter faucet mounts
    - Filter Replacements
      - 2,400 – Brita filter replacements (single pack)
      - 8,000 – Brita filter replacements (two pack)
  - Ordered on 1/12/16 to arrive Wednesday
    - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
      - 10,000 – PUR Vertical faucet mount
      - 2,500 – PUR Horizontal mount
    - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
      - 10,000 – PUR replacement filters (3 pack)
      - 10,000 – PUR replacement filters (single pack)
    - PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)
      - 10,700 – PUR combo packs

- To arrive Thursday
  - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 1,300 – Zero Water pitchers
  - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 11,000 – PUR vertical faucet mount
    - 1,500 – PUR Horizontal faucet mount
    - 5,000 – Brita faucet mount
    - 10,000 – Brita adv faucet mount white
    - 12,000 – Brita adv faucet mount chrome
  - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 117,600 – PUR replacement filter

- Test Kits
  - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
  - 500 have been assembled and are ready for distribution
  - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
  - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
  - 100, 000 square feet of secure warehouse obtained.
  - Accepting commodities beginning Wednesday, January 13

- Logistics Support
  - The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
  - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
  - We are working on version 2.0 so this can be used at the PODs

- We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
- Notes from the field commander:
  - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
- In the end, there were 394 total home visits with the following breakdowns:
  - 217 Door Hangers
  - 152 Vacant Homes
  - 117 Water Distributions
  - 112 Filters
  - 3 Pitchers
  - 48 Water Test Kits

- 211
  - CALL VOLUME:
    - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:
- SitRep 6

Key items for tomorrow to note are:
- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
  - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.
  - The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note
- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.

- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

- Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
- Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
- Working to establish a warehouse for local resource storage.
- Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
- Discussed potential long term water sources between local EOC and SEOC.
- Established planning cycle/meeting scheduled for 1/12/16.
- Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; however, there may exist opportunities to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

    - We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
    - A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***

- An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to <u>supplement</u> State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***
    - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
- Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is <u>beyond the capability the state and affected local governments,</u> and that the state requires <u>supplementary</u> federal emergency assistance to save and to protect property....***
- Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
    - Debris Removal = ***self-explanatory and we do not have this***
    - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
    - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

<u>Key items for tomorrow to note are:</u>

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.
    2. Ensure accurate tracking and accounting of all commodities.
    3. Improve and maintain public information strategy.
    4. Develop a long term public health and services plan.
    5. Ensure adequate staffing to support operational requirements.
    6. Identify possible assistance programs.
    7. Develop an approved GIS strategy.
    8. Maintain coordination between partner agencies and organizations.
    9. Enhance situational awareness and common operating picture of all activities.
    10. Develop a comprehensive Recovery Plan.

<u>**Items to Note**</u>

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.
- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.
    - The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (looking at private sector partners to assist, especially with the warehouse management side).

- GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.

- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. *A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).*
  - 12,386 filters
  - 1,985 replacement filters
  - 354 Pitchers
  - 2500 Lead Testing Kits
- Establishing and tracking of resources is a priority. *Staffing has been assigned to get a good handle on these to* ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
  - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
  - We have ordered an additional (expedited delivery with ETAs tomorrow)
    - 40,000 Brita Filters
    - 40,000 Brita Replacement Filters
    - 1000 Zero 8-Cup Pitchers
    - 1000 Zero 8-Cup Pitchers
    - 2000 PUR Replacement Filters
    - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- JIC Items
  - Requested PSA on the radio. Media has been approved and working with MAB.
  - Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
  - A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
    - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
    - JIC moving tomorrow to Flint.

<u>Local Emergency Operations Center</u>

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

<u>Fire Station Inventory Levels:</u>

Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up replacement filters from Home Depot and deliver.

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because *DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and* deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.
- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.
- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.
- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information … I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.
- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.
- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.

- Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
- Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
- GIS maps will provide guidance on deployment locations for these teams and other teams in the field.

- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

MSP/EMHSD GIS Section Updates

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.
- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

Local Emergency Operations Center

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff (2-positions) will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
  - Logistical activities to support church operations.
  - Logistical activities to support fire stations operations.
  - Coordinate Donations Management activities and draft donations management plan
  - Coordinate Volunteer Management activities
  - Identify local storage/staging facilities
  - Overall inventory tracking
  - Tracking of Points of Distribution (PODs)

Chris

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Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and

trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
  - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
  - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.

- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.
- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:

Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**

- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**
        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.
    5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
    6. Develop a comprehensive GIS strategy.
    7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
    8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
    9. Provide technical assistance to the local Damage Assessment process.
    10. Establish a Joint Information Center (JIC) and develop a public information strategy.
    11. Monitor MI CIMS for resource requests and address as appropriate.
    12. Establish and disseminate cost center information for the incident.
- Additional tasks include:
    - Determine what federal agencies are already involved and their status
    - Identify potential water supplies
    - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
    - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
    - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC

- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
    - Water Pipeline Locations
    - Filter Distribution Locations
    - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
    - Affected School Locations
    - Predictive analysis of blood lead levels for affected area
    - Updated Parcels
    - Demographics
    - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

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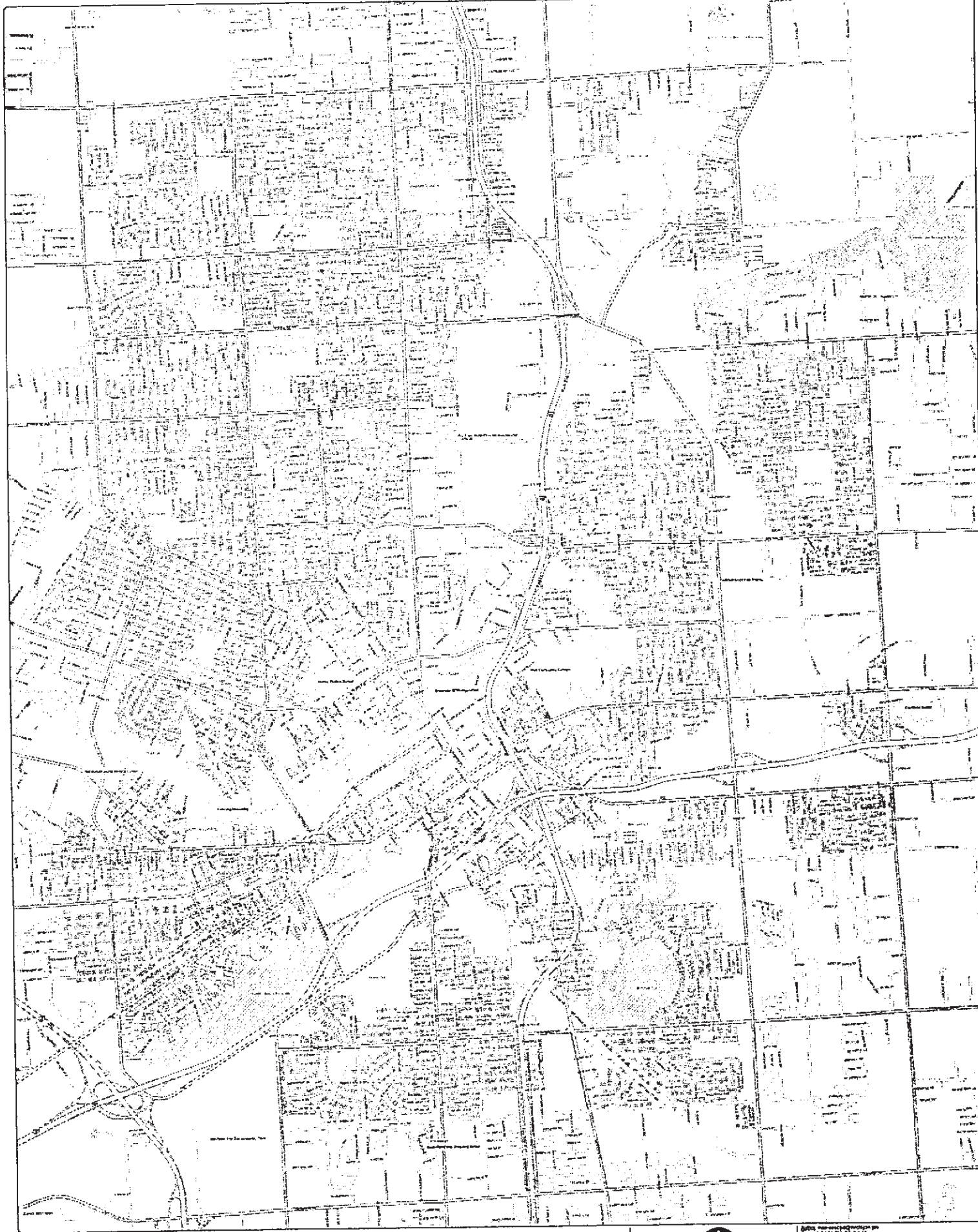
Residential Parcels Contacted by Flint Water Response Teams (As of 1/26/2016 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Parcel Contact Status

- Visited | Occupied
- Visited | Occupied | Not Home
- Followup Required
- Visited | Not Occupied

Miles 0 0.4 0.8

Feet 0 2500

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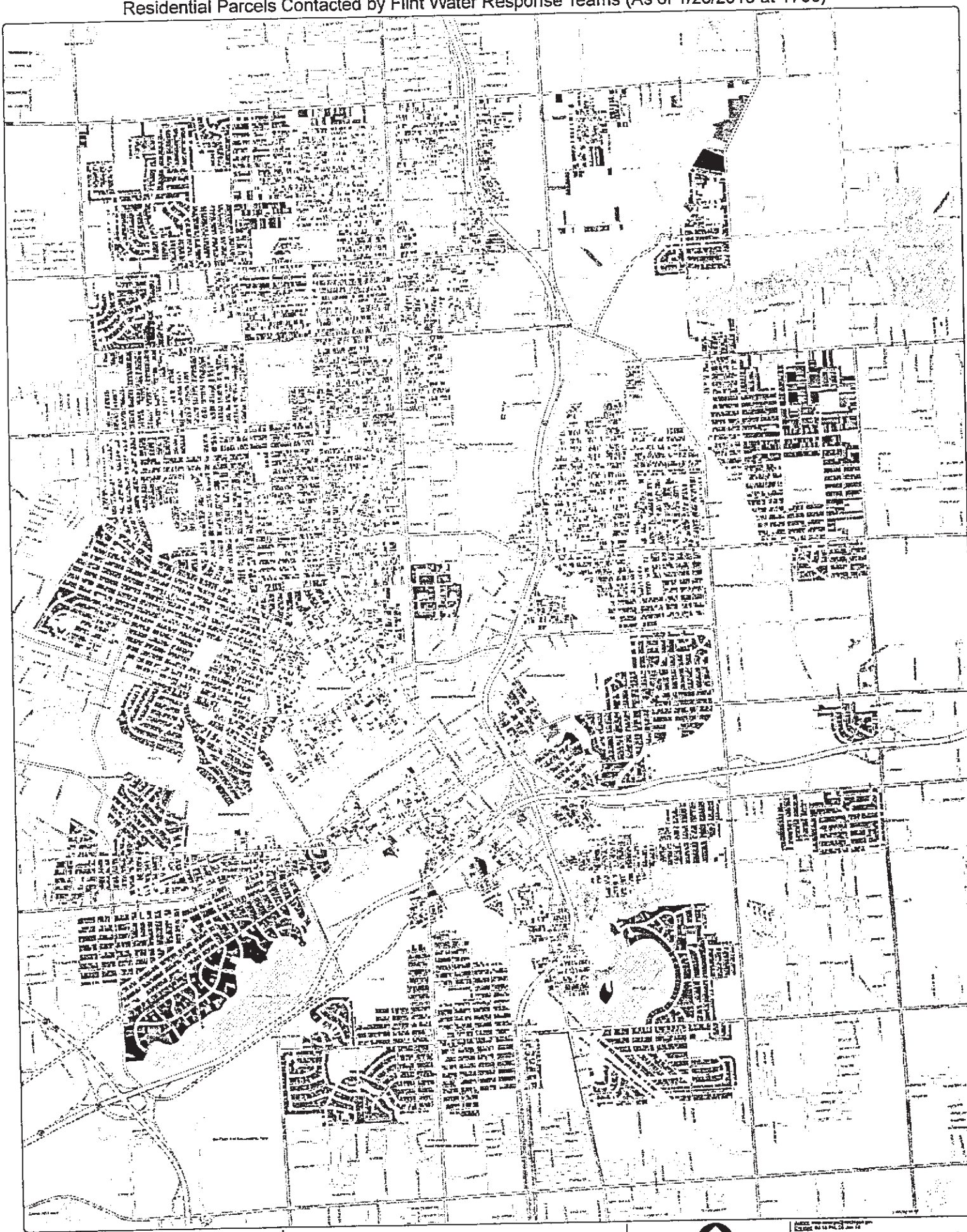
Residential Parcels Contacted by Flint Water Response Teams (As of 1/26/2016 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Parcel Filter Status (Multi-Tenant Excluded)

- Subscriber | No Filter
- No Subscriber | No Filter
- No Subscriber | Filter
- Subscriber | Filter

Miles 0 0.4 0.8

Feet 0 2500

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	*01/26/2016 08:00:00*
Operational Period End:	02/02/2016 08:00:00
Situation Report No.	21
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/26/2016 08:00:00
SEOC Hours of Operation End:	*01/26/2016 20:00:00*

Executive Summary

SEOC Update:
Accomplished today (January 26):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Resources.
- Public information control.

- Logistics:
o Identified alternate way for drivers to communicate Rapid Response orders (radios instead of iPads).
o Processed requests (RRF's) for water from the FEMA staging area.
o Discussions with Target on routine water deliveries.
o Resolved blue pallet issue (company will pick them up from warehouse).
o Researched warehouse options with local EOC, FEMA, and Target.
o Inventory quantity standardization will begin Wednesday, 1/27, inventory will be counted in liters and by "each".
o Requested an optimal warehouse inventory staffing plan.
o Attended a conference call with FEMA inventory and logistics team.
o Secured 2 (DTMB and Belle Tire) out of 3 requested trucks/drivers for Food Bank.
o Working on replacement strategy for (4) broken pallet jacks at PODs.
o Created a table of document translations and printing requests and status.
❑ Reviewed, assigned, investigated, and updated resource requests.

- JIC:
o Released daily distribution data release and map this morning.
o Worked with the SEOC and FEMA to schedule a legislative and Congressional briefing today at 2:30p.

- Recovery Branch:
o Coordinated data entry for ARC paper tracking forms with SEOC and state agency personnel.
o Compiling a list of apartment complexes for targeted outreach. Once the plan is in place a team will go to each complex and verify tenants have received filters and GIS will mark parcel as complete.
o Worked with GIS to acquire addresses for all FWRT responses.
o Operations for the Water Response Teams has shifted to a targeted effort to get filters into homes that we show have not been contacted.
o Continued to work on demobilization of trucks and vans.

o Data is for 1/26/16 as of 5:00 pm:
o Total homes visited:
❑ 3,946 (round 3 total).
❑ 1,350 (today).
o Water Cases:
❑ 1,768 (round 3 total).
❑ 727 (today).
o Replacement cartridges:
❑ 170 (round 3 total).
❑ 170 (today).
o Faucet filters:
❑ 1,201 (round 3 total).
❑ 677 (today).

- Planning Section:
o Published Sit Rep # 21.
o Worked with Resource Unit Leader and Logistics to enhance number tracking.
o Participated in daily conference calls (local, state agency and distribution process meeting).
o Provided burn rate data from PODs and FWRT to FEMA.

- Operations Section:
o MDOT is working with the SEOC on resource redistribution at PODs.
o 74 Red Cross volunteers were active across the operation today.
o 24 Event based volunteers were active on the operation today.

o 58 National Guard on ground today.

o Warehouse Numbers as of 1800:
❑ Water (cases):
• 57,312.
❑ Filters (faucet):
• 39,501.
❑ Replacement cartridges:
• 118,597.
❑ Filters (pitcher):
• 2,778.
❑ Test Kits (prepped):
• 48.
❑ Test kits (un-prepped):
• 0 (all supplies out to ARC for assembly).

o PODs (1700 1/25 – 1600 1/26).
❑ Water (cases).
• 9,464.
❑ Filters (faucet).
• 576.
❑ Replacement cartridges.
• 767.
❑ Filters (pitcher).
• 10.
❑ Test kits.
• 437.

• Finance Section:
• Update the spend plan with updated state agency costs.
• Had discussions with Genesee County Controller to discuss the requested Category B costs.
• Reviewed warehouse packing slips to provide Home Depot documentation to DHHS.
• Attending meeting at MSP HQ to discuss procurement processes and approvals.

• GIS Branch Updates:
• Coordinated with DEQ on building lead service line data for mapping.
• Worked to geocoding outstanding data collected in the field.
• Produced Zip code map for Flint and surrounding municipalities for DHHS.
• Produced updated map to assist with team assignments for tomorrow.
• Reloaded priority population data sets.
• Updated the City of Flint parcel map to include parcels outside city limits that purchase water from the city.

DTMB:
• Worked with the Department of Corrections today to coordinate state assets for continued support of operations tomorrow.
• Worked with logistics to return rented vehicles and consolidate resources.
• Secured additional space in the Flint state office building for federal partners.

DHHS-CH:
• Disaster Behavioral Health planning is being worked on by SAMHSA.
• Federal agency unified coordination center is being setup in the next two days.

DEQ:
• Updated water data sent to GIS and JIC for dissemination and publishing.
• Coordinated sampling teams with the EPA and DEQ.

Local EOC Update:
• Delivered iPad's to warehouse and provided on-site training to drivers, followed with written instructions.
• Coordinated today's rapid response deliveries.
• Ongoing resource request coordination with SEOC.
• Facilitated recycling planning meeting and planned for implementation of the program.
• Attended local "Pastors and Police" meeting to coordinate water distribution plan with faith-based organizations.
• Coordinated the incoming donations of water and filters through the Michigan Community Service Commission.
• Coordinated volunteer management with Michigan Community Service Commission, ARC and other VOADs.
• Planning for transition of operational control to local level.

Incident Response/Recovery Priorities/Objectives

(Objectives are in order of priority with original objective number attached)

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
7. Gather, analyze, and disseminate GIS data to develop products for future planning.
10. Collaborate with local and volunteer agency partners to solidify the Flint Water Operations Plan.
3. Improve and maintain the public information strategy and process.
8. Maintain coordination between partner agencies and organizations to include FEMA IMAT and the FWICC
4. Develop a long term public health and services plan.
6. Develop an overview of possible assistance programs.
9. Enhance situational awareness and common operating picture of all activities.
5. Continue to maintain adequate staffing to support operational requirements.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:
Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations
Jurisdiction(s): Date/Time:
Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations
Jurisdiction: Date/Time:
Declaration of Emergency for Michigan Contaminated Water (EM-3375), 1/16/2016

Weather Conditions

Watches/Warnings

Upcoming Forecast
Forecast Update for Flint, MI - January 26
- Light snow showers on and off today (January 26) through Wednesday morning (Jan 27). Additional light snow showers early Thursday morning (January 27). No significant snowfall accumulation is expected.
- Breezy through this evening (January 26) as winds will continue to gust to around 30 mph before decreasing tonight.
- High temperatures today (January 26) will remain above 32 through the daylight period but breezy conditions will result in wind chill values in the 20s.
- High temperatures Wednesday (January 27) through Friday (January 29) will stay around 32 before increasing to near 40 on Saturday (January 30).

Risk for frostbite from exposure over the next week is low unless exposure time for the individual is several hours in length with the person engaging in little to no activity.

Other
7-Day Forecast - Flint, MI : http://goo.gl/3qkSIa

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions
Rivers in the affected area are below flood stage.
National Terrorism Advisory System (NTAS) Status
No information available.
Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested
All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was expected to be operational in Flint from 8 a.m. to 8 p.m. on Jan. 26. The JIC was operational

until 10:30 p.m. on Jan. 25.

State agencies at the JIC included the Michigan State Police, Michigan Economic Development Corporation, and Departments of Environmental Quality, Health and Human Services, Agriculture and Rural Development, Transportation, and Military and Veterans Affairs. The Federal Emergency Management Agency, Genesee County Sheriff's Office and American Red Cross were also present.

Tasks accomplished:
• Drafted and issued social media posts about water response teams and sites.
• Provided MDHHS talking points to 2-1-1 about bathing in Flint water. Will also include information in nightly activity news release.
• Worked with DTMB to make digital public information products ADA compliant, including the filter replacement video and www.michigan.gov/flintwater website. ADA issues for www.helpforflint.com were forwarded to the Governor's Office.
• Worked with DTMB to optimize search engine results for www.michigan.gov/flintwater on Google and Bing.
• Reorganized www.michigan.gov/flintwater so citizens can find information easier.
• Media hotline staff answered more than 15 emails and phone calls ranging from lead water testing to undocumented immigrant identification.
• Key agency PIOs fielded multiple news inquiries throughout the day, including conducting or scheduling interviews with the Gospel Radio Network, MIRS, Associated Press, ABC 12 in Flint and New York Times, Detroit Free Press, WILX-TV, MLive, Al-Jazeera, Michigan Radio, and ATTN.
• Coordinated with FEMA to hold a 2:30 p.m. legislative and congressional conference call.
• Created a media monitoring report and looked for information requiring correction; found none.
• Updated internal talking points about the ongoing Flint water emergency.
• Continued routing public information materials for approval, including communications from MDE, MDHHS and MDARD.
• JIC is planning to issue the nightly activity news release around 7 p.m. Will include information on bathing, recycling and checking on your neighbors.

Agriculture and Rural Development (MDARD)

Tuesday, Jan. 26 - Followed up on whether or not SBA would have low cost loans for pipe replacement; followed up on conference call AID is setting up for Friday with industry partners; food establishment compliance list process has been approved and will be posted on the Flint water website and updated daily. Food establishment assessment totals for today: 34 assessments and 7 water samples collected. Assessment totals completed to date: 165 assessments, 26 water samples collected.

American Red Cross (ARC)

The American Red Cross deployed and supported 10 Water Response Teams today.
We provided snacks for event-based volunteers.
The Volunteer Reception Center (VRC) was in full operation today. The VRC is scheduled to be open from 9am to 7pm each day through Friday. The weekend schedule has not yet been set.
We have been assembling water test kits again today.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC entities. Provided contact information for community group to provide additional water filter data to GIS. Shared additional Flint demographic data with staff from the American Community Survey. Today Governor Snyder signed Executive Order 2016-3 transferring the ethnic commissions – the Hispanic/Latino Commission of Michigan (HLC), the Michigan Asian Pacific American Affairs Commission (MAPAAC), and the Commission on Middle Eastern American Affairs (CMEAA) - from MDCR to the Department of Licensing and Regulatory Affairs (LARA). Each commission will continue working to enhance economic opportunity, prevent discrimination and encourage cultural awareness. LARA is the home of the Office of New Americans, and the move will help streamline the human resources and budgetary functions of each commission. The transfer will take effect in 60 days.

Community Health (MDCH)

The CHECC remains activated at Level 2, and a phone bank is staffed at the CHECC from 0800 - 1700 daily to support the Genesee County Health Department by answering health-related questions that 2-1-1 cannot answer. In summary, as of January 26, the CHECC hotline had received a total of ninety calls since initial activation on Friday, January 15. Of these calls, twenty-three had been referred to personnel assigned to the CHECC Epidemiology Desk. Furthermore, the CHECC hotline received and facilitated five requests for rapid response team deployment. Common questions/issues directed to the hotline focused largely on lead testing and bathing considerations, noted on the table below.

The CHECC continues to work on a variety of activities to include Disaster Behavioral Health planning, nutritional planning, coordination with the local health department, development and dissemination of messaging to healthcare providers, and gathering information necessary to support the overall federal response efforts. The CHECC reached over 80,000 healthcare providers using WebMD Medscape, and continues planning efforts to craft messages for various medical specialty providers such as pediatricians and obstetricians.

In support of the Disaster Behavioral Health planning, MDHHS has also facilitated the implementation of the Disaster Distress Hotline that has been made available on the Flint Water website, offering 24/7 anonymous crisis counseling for individuals affected by the incident.

MDHHS has worked with the US DHHS to query emPower data on the medically-dependent individuals residing in the Flint area, to ensure that they are contacted by the Flint Water Response Teams. Their locations have been mapped by GIS and provided to the LEOC for follow-up and rapid response deliveries.

MDHHS leadership and CHECC staff continue to meet with federal partners from SAMHSA and HHS/CDC today to discuss technical assistance and federal activities. Michigan's HHS Regional Coordinator will serve as the Federal Health Coordinating Officer (FHCO) within a Unified Coordination Group (UCG) that will be operational this week in an effort to streamline information and coordinate federal activities. A LNO will be located in the CHECC to serve as the liaison between the UCG and MDHHS.

MDHHS ordered 100 Blood lead level testing kits, and the accompanying ancillary supplies, to be shipped to the Genesee County Health Department in support of their blood lead testing clinics. MDHHS is also working in coordination with Michigan State University to support blood lead testing efforts.

The CHECC maintains ongoing daily correspondence with both the EMCs in the SEOC and the Local Health Department to offer assistance and guidance as necessary.

Corrections (MDOC)

The MDOC continues to operate the warehouse on Clio Rd. The primary mission of the warehouse is to manage the flow of water, kits , etc. to the residents of Flint. To that end, staff in Flint continue to work closely with the MSP and the National Guard to maintain a steady flow of product to the PODS in a timely fashion and other sites as determined by both local EOC and the SEOC. In addition to this mission we continue to deliver the test kits to DEQ for processing, today 564 test kits were delivered to DEQ in Lansing. We also continued the process of delivering loaned vehicles from Penske back to their point of origin.

For today's mission we had the following resource's and personnel on site in Flint:

(17) - MDOC employees

(6) - MDOC - SAI Provided one (1) 6 person work crew

(2) - Passenger vans w/driver

(1)- Regular Cab Pickup w/driver

(1) – F-250 Pickup

(5) – Box Trucks w/driver

(1) - 53' Refrigerated Semi-Trailer

(3) - Electric Pallet Jacks

(7) – Hand Pallet Jacks

(1) – Warehouse Manager

(1) – Warehouse Security Person w/vehicle

All vehicles drivers have 800 MHz Radio Operability (G EVENT 9)

Education (MDE)

1. MSD reports that LARA has tentatively scheduled Stevens Hall for testing on 5 and 6 February.
2. MSD is coordinating with parents to get their consent forms for Genesee County Health Department blood testing on February 8.
3. MSD reports they have been getting abundant water donations.
4. Marla Moss reports Vista Fletcher, USDA Branch Chief, School Nutrition Programs and Food Distribution, is onsite in Flint.
5. GISD (Dr. Treder) has shared a detailed listing, by school, of students residing in impacted zip codes from Early Childhood-grade 5 students and by age groupings. Work continues in this regard.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:

Sent updated water data to GIS for mapping and JIC for web-publishing.

Human Services (MDHS)

Talked with MDHHS purchasing director regarding past, in process, and possible future procurements.

Two Genesee Co MDHHS offices continue to be points of distribution for filtration devices.

Genesee Co MDHHS director Mose, was at local EOC today, working with local EM on human service topics.

MDHHS's Michigan Community Service Commission (MCSC) remains heavily active locally with donation management, and volunteer coordination.

CHECC continues to maintain a Level 2 Activation

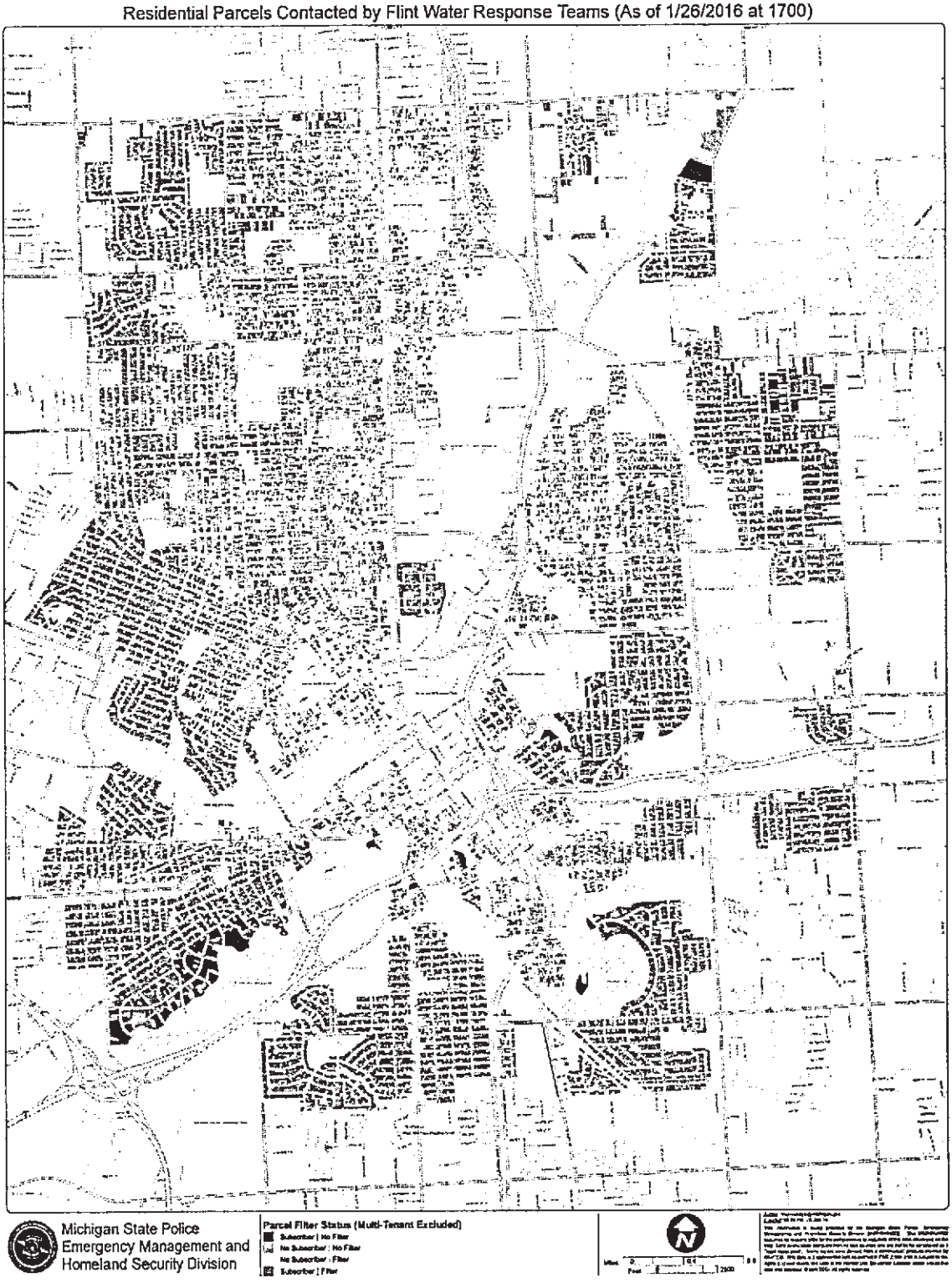
Licensing and Regulatory Affairs (LARA)

-Updated the LARA Executive Team

-Finalizing Health Care Facility survey information and comparison.

Residential Parcels Contacted by FWRT

Residential Parcels Contacted by Flint Water Response Teams (As of 1/26/2016 at 1700)



Higgins, Lori (MSP)

From:	Kelenske, Chris (MSP)
Sent:	Wednesday, January 27, 2016 9:34 PM
To:	Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Snyder, Rick (GOV); Calley, Brian (GOV); Creagh, Keith (DEQ); Lyon, Nick (DHHS)
Cc:	Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)
Subject:	SEOC Update 1/27/16 - Flint Water - Limited Distribution
Attachments:	20160127_1700_Parcels_Filter_Status.pdf; 20160127_1700_Parcels_Contacted.pdf; SitRep22 Flint Water.pdf

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Update 1/27/16 – 23th Day (22nd Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Sit Rep 22
- Maps:
  - Parcel Contact Status, includes data as of 5 pm today. (Provided earlier by GIS)
    - The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today. (Provided earlier by GIS)
    - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
  - ARC teams are targeting the homes we show that were not visited.
- Information provided to the Governor's Office (Paul Smith) for an extension to the Governor's Declaration of an Emergency. This has to be approved by both houses of the legislature. The extension will put us on the same timeline as FEMA's declaration.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Recovery Branch compiled a list of targets for apartment complexes. Once plan is in place, a team will go to each complex and verify all tenants have been given or have a water filter. Once outreach has taken place for each complex, GIS will manually mark entire parcel as complete.
- SEOC Logistics worked with the Michigan Community Service Commission on donations management and volunteers
- GIS coordinated with DNR and DEQ to establish timelines for lead mapping and strategize updates of lead statuses based on plumber activities.
- GIS coordinated with DTMB/CSS to meet with local GIS staff to review city GIS infrastructure and provide recommendations on future asset management.
- Planning and Financial provide information for Senate Appropriations Committee meeting this afternoon.
- Financial Reviewed donations as match guidelines for required 25% federal match.
- Information reported to the JIC:
    - As of 1/27/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Total	Targeted Canvassing Mission 1/27/2016
30,770	37,844	**4,966**	1,020

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	196,456
b. Filters	95,417
c. Filter cartridges	200,654
d. Test kits	30,255

3. Resources purchased*:
    a. Cases of water 165,042 (additional 32,234 donated)
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
4. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/27/16, as of 5 pm, 1,020 homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: 4,966
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command Cell
        iii. Cyber Mission
        iv. Joint Forces Headquarters:
4. **Total Number of Volunteers each day:**
    a. 109 volunteers for 1/27/2016.
5. ***Number of homes with filters:**

	Total	Number with filters

	Number	
Residential parcels	38,238	22,939
Active residential water subscribers	26,673	19,677

6. **Number of Water filters distributed (each day and to date):**
   a. 971 were distributed on 1/27/2016, and total distributed to date is 95,417.
7. **Cases of Bottle water distributed (each day and to date):**
   a. 7,592 were distributed on 1/27/2016, and total distributed to date is 196,456.
8. **Number of testing kits distributed (each day and to date):**
   a. 341 were distributed on 1/27/2016, and total distributed to date is 30,255.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
   a. *Per CHECC: People Tested for Lead 10/1/2015 to 1/22/2016: *3,351*
      *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
       i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
       ii. *Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7*
       iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. **Number of homes with safe drinking water:**
    a. 2,991 homes, per data from September 3, 2015 to January 27, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.
       **This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.*

GIS Information

AS OF **1/27/2016** AT 5 p.m. USING DATA FROM FLINT WATER RESPONSE TEAMS, POD DISTRIBUTIONS, AND GENESEE COUNTY HEALTH DISTRIBUTION DATA.

NOTE: PLEASE REMEMBER THAT PAPER DATA AND DATA ENTRY FROM PREVIOUS DAYS CONTINUES TO COME IN AND WILL BE INCLUDED IN THE TOTALS AS IT IS RECEIVED.

We are tracking **38,238** *residential parcels* that the City of Flint has identified as non-vacant (including Franchise). Of those:

- **34,849 (91%)** of the parcels have been engaged (e.g. face to face, left an information card, etc.) as part of response efforts
- **22,939 (60%)** *of the parcels have been confirmed to have some form of filter*
- **10,723 (28%)** of the parcels have volunteered for water testing sites
- **4,918 (13%)** of the parcels have not had personal contact (not home or did not visit a POD)

We are also tracking that there are 29,994 active water subscribers (metered service lines) in the city. When consolidated down and filtering out only residential there are **26,673** *residential parcels that have the ability to use the* Flint Water System. Of these

- **25,457 (95%)** of the parcels have been engaged as part of response efforts
- **19,677 (74%)** of the parcels have been confirmed have some form of filter
- **9,561 (36%)** of the parcels have volunteered for water testing
- **3,718 (14%)** of the parcels have not had personal contact (not home or did not visit a POD)

Local EOC

- Planning for transition of operational control to local level.
- Identifying and securing additional warehouse space for donations management.

- Coordinating rapid response deliveries to identified locations.
- Coordinating demobilization of vehicles and technology.
- Working to implement recycling program. Press conference scheduled for 01/28/2016.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

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Update 1/26/16 – 22th Day (21th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas.

Attached Documents:

- Sit Rep # 21
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- Press conference to be held in Flint with the Governor, Mayor and some state agency personnel.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- We have taken a significant number of paper records from the ARC WRTs so we can get the data entered into our system. MSP HQ staff has been pulled to the SEOC for data entry. These are a portion of the records the ARC had as they were not using the door to door App as directed. This data will further clarify areas covered/not covered by any teams.
- The WRTs are going to "targeted" locations where we are showing residences not contacted.
- We are working on identifying any multi-unit housing to ensure all have filters (e.g. apartment buildings). Some have been taken care of but we are ensuring these locations are not missed.
- Information reported to the JIC:

- As of 1/26/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvass MissionTotal	Targeted Canvassing Mission 1/26/2016
30,770	37,844	**3,946**	1,350.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	186,309
b. Filters	94,301
c. Filter cartridges	199,489
d. Test kits	29,841

3. Total number of customers on the Flint water system
   a. 29,994 current water system subscribers
   b. ~45,000 hookups (This is our high end target #)
   c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
   a. Cases of water 146,142 (additional 26,834 donated to the state warehouse and does not include other locations like GCCARD/Food Banks, Churches, etc.)
   b. Filters 154,052
   c. Filter Cartridges 299,508
   d. Test kits 62,701
5. Teams going out tomorrow:
   a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
   a. 1/26/16, as of 5 pm, **1,350** homes were visited today.
2. **Total number of homes visited:**
   a. Targeted Canvassing Mission: **3,946**
3. **Total number of National Guard on the ground:**
   a.
      i. Number in PODs
      ii. Command Cell
      iii. Cyber Mission:
4. **Total Number of Volunteers each day:**
   a. 98 volunteers for 1/26/2016.
5. ***Number of homes with filters:**
   a. 18,487 homes had filters, per entered GIS data as of 1/25/2016.
6. **Number of Water filters distributed (each day and to date):**
   a. 1,091 were distributed on 1/26/2016, and total distributed to date is 94,301.
7. **Cases of Bottle water distributed (each day and to date):**
   a. 7,862 were distributed on 1/26/2016, and total distributed to date is 186,309.
8. **Number of testing kits distributed (each day and to date):**
   a. 403 were distributed on 1/26/2016, and total distributed to date is 29,841.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
   a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642;**

*this data is updated bi-monthly

10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**

        *this data is updated bi-monthly
11. **Number of homes with safe drinking water:**
    a. **1,099** homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

    *This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

- Delivered iPads to warehouse and provided on-site training to drivers, followed with written instructions.
- Facilitated recycling planning meeting and planned for implementation of the program.
- Attended local "Pastors and Police" meeting to coordinate water distribution plan with faith-based organizations
- Planning for a transition of operational control to local level.
- Coordinated the incoming donations of water and filters through the Michigan Community Service Commission.
- Coordinated volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

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Update 1/25/16 – 21th Day (20th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas

Attached Documents:

- Sit Rep # 20
- Michigan Department of Health and Human Services Situation Report for January 20, 2016
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first map indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.

- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).

Items to Note

- 11 ARC Flint Water Response Teams to the field today.
- 8 EPA PIOs will be in the JIC tomorrow. The JIC is unaware of the role or expectations at this time.
- Reference the rash I discussed on the call tonight:
  - There was one specific complaint about rashes that Community Health personnel plan on working with ATSTD/CDC. DEQ is requesting that EPA collect all appropriate water samples to enable a full analysis of the water at the address (an apartment) for bacterial contamination, and a full metals and organics panel. Lead is not associated with skin rashes, but other contaminants are and DEQ wants to find out what, if any, other contaminants are in the water.
  - It was also discussed that it would be ideal if Community Health can forward to the EPA the other addresses and contact information for which they've received complaints of rashes, so that EPA could also test there for appropriate parameters to see if we can identify a cause.
  - SEOC DEQ desk will continue to monitor and work this issue.
- SEOC OPS, Health, MDEQ SEOC, Logistics participated in conference calls with the Governor's office and private partners on potential alternative filtration systems for schools, daycares, etc.
- Created a form for drivers to track rapid response deliveries.
- Media avail at fire station 8 this morning received positive news coverage.
- The NAACP is holding a public meeting at U of M Flint on Tuesday.
- Rachel Maddow will hold a town hall meeting on Wednesday. MSP Third District Commander advised.
- Developed new Incident Action Plan (#7 published in MICIMS) and ICS 204s for the new operational period (1/26/2015-2/2/2016).
- MDOC assumed all warehousing responsibilities today.
- Reviewed state agency financial information received for update to current spend plan.
- Information reported to the JIC:
  - As of 1/25/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Mission 1/25/2016
30,770	37,844	2,596 – ARC*

*American Red Cross data has not been entered in the app, but is currently being caught up. Starting January 26, 2016, the American Red Cross has been instructed that iPads must be used in the field for data entry in order to clearly capture the homes that have filters.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	176,118
b. Filters	93,048
c. Filter cartridges	198,552
d. Test kits	29,320

3. Total number of customers on the Flint water system
   a. 29,994 current water system subscribers
   b. ~45,000 hookups (This is our high end target #)
   c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:

a. Cases of water 141,982 (additional 24,634 donated)
b. Filters 124,052
c. Filter Cartridges 285,586
d. Test kits 62,701

* Numbers have not been updated due to the following circumstances:
    - Outstanding donations and inventory at the warehouse which has not been reported to the SEOC. Staff in the SEOC is working with donations management and warehouse to reconcile numbers.
    - Outstanding data from GCCARD on deliveries from 1/8-1/12. Staff in the SEOC and local EOC is working with GCCARD to obtain data.
    - At the beginning of tracking the planning factor used was 72 cases of water per pallet and 22 pallets per semi-truck. Per bill of lading received from the warehouse today, it has been identified that this assumption is not correct. Staff is working to reconcile numbers.

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/25/16, as of 5 pm, 2,596 homes were visited today.
2. **Total number of homes visited:**
    a. Phase II: 37,844
    b. Targeted Canvassing Mission: 2,596
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**
    a. 135 volunteers for 1/25/2016.
5. ***Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 1,151 were distributed on 1/25/2016, and total distributed to date is 93,048.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 9,514 were distributed on 1/25/2016, and total distributed to date is 176,118.
8. **Number of testing kits distributed (each day and to date):**
    a. 478 were distributed on 1/25/2016, and total distributed to date is 29,320.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642;**
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
11. **Number of homes with safe drinking water:**
    a. 1099 homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

GIS Information

I have had numerous discussions with GIS staff as to getting our data validated and as close to final as possible. We are tracking 38,144 residential properties within the city (noting large apartment complexes are classified as commercial so they are not a part of this). Of these:

- 34,318 have been engaged by Flint Water Response Teams and PODs (90%) - The remaining 10% is going to be a focus for the teams in the near future
- 23,281 have led to a direct citizen engagement (61%)
- 5,173 were not home during any attempt to visit and have not been recorded as having visited a POD (14%)
- 5,864 of the properties the teams visited were vacant or destroyed (15%)

Additionally, we have been tracking the status of "Active Water Subscribers" from the Flint Department of Public Works. These are residential properties which have meters put on the homes by the city. Of the total 29,994 subscribers citywide, 26,673 have been confirmed as being on residential parcels. Of the 26,673:

- 18,487 Have been confirmed as having received a filter by the Flint Water Response Teams or PODs (69%)
- 3,928 Were not home when visited (15%)
- The remaining 16% we have no data to confirm or deny whether they have a filter

Of special significance from the water subscriber data is that the old lead maps that we are digitizing from the Flint Water Department contain 993 suspected homes with lead lines in them. Of these only 659 have received a filter.

It is significant to note that we are continuing to receive paper forms from the field and processing them. The ARC and volunteers were specifically told to use the App and we provided Ipads but tonight I was told this was not being done by everyone which has caused us some lags in data. This is likely improve the overall numbers as we process historic records (ARC had ~7,000 of these records).

It cannot be reiterated enough that data is still coming in and we are still actively cleansing it.

Local EOC

Operations:

- Coordinated with Foodbank of Eastern Michigan for issuing of Resource Request.
- Coordinating and following up on vehicle demobilization.
- Facilitated rapid response deliveries to special locations.
- Finalizing components of recycling program.
- Received authorization to operate bottle collections for recycling at Fire Station 1 and 5 PODs.
- Initiated activities to plan for inclusion of institution sampling (schools, daycares, nursing homes, etc.) in Genesee County EOC IAP.
- Coordinating volunteer management with Michigan Community Service Commission.

Chris

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Update 1/24/16 – 20th Day (19th Full Day) After Governor's Declaration of an Emergency

I have asked state agency SEMCs to archive their SitRep items so you only have current operational period information in the SitRep Agency Summaries. Director Creagh added to daily report.

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs).

- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Situation Report # 19
- Maps:
  - Parcel Contact Status, includes data as of 5 pm today.
    - The first one indicates based upon the outreach that has been conducted, which parcels have we had contact with a resident and which parcels have not had any contact with a resident.
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
    - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- WRTs with NG personnel are transitioning out. No field teams. NG will continue to staff the PODs.
- Tony Katarsky will be acting SEOC State Director. Capt. Kelenske not in the SEOC - available by phone (in the Holland MI area).

Items to Note

- Deployed National Guard/state/local teams and 19 ARC Flint Water Response Teams to the field today.
- JIC was operational with limited staff out of the SEOC today. Co-located JIC in Flint will be back and operational tomorrow.
- SEOC Logistics worked with MDOC on warehouse management transition.
- Recovery Branch began demobilization of trucks and vans.
- Demobilization of National Guard Water Response Teams will be effective as of Monday, January 25.
- School for the Deaf
  - As of 1/23/16: LARA and DEQ teams on site; water testing complete in school building and LRC dorm. Stevens Hall will be tested when landlord finishes upgrades.
  - As of 1/23/16: all water faucets replaced in Stevens Hall. 3 new drinking fountains on order; expected mid-week. Once fountains are installed, Stevens Hall will be scheduled for water testing.
- SEOC Finance Donations Management team to obtain list of donors and donations for FEMA request.
- SEOC Planning Section worked on burn rate data from FWRT and PODS for FEMA request.
- GIS continued to clean up V2 Dataset (patched approximately 1000 records).
- GIS coordinated with the DEQ to transfer lead service line mapping to their GIS department tomorrow. Wall maps showing known lead service lines based off of geographical locations and zip codes provided for Chief Hagler, SEOC DEQ staff and Director Creagh.
- Out of 37,003 homes visited, 5,660 were not home/did not answer. The number of homes visited is lower than the Phase II number as some duplicate contacts at addresses were eliminated.
- Information reported to the JIC:
  - As of 1/24/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	1/24/2016
30,770	37,844	7,012 National Guard/State/Local

		4,132 ARC

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	164,991
b. Filters	91,763
c. Filter cartridges	197,775
d. Test kits	28,763

3. Total number of customers on the Flint water system
    a. 29,944 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 141,982 (additional 24,634 donated)
    b. Filters 124,052
    c. Filter Cartridges 285,586
    d. Test kits 62,701

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Additional Standing Information Requirements

1. **Number of homes visited each day:**
    a. *1/24/16, as of 5 pm, 11,144 homes were visited today*
2. **Total number of homes visited:**
    a. Phase II: 37,844
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Number on Cyber Mission
        iii. Number with FWRTs:
        iv. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**
    a. 315 volunteers for 1/24/2016.
5. ***Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 4,920 were distributed on 1/24/2016, and total distributed to date is 91,763.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 16,125 were distributed on 1/24/2016, and total distributed to date is 164,991.
8. **Number of testing kits distributed (each day and to date):**
    a. 3,177 were distributed on 1/24/2016, and total distributed to date is 28,763.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
11. **Number of homes with safe drinking water:**
    a. 577 homes, per data from September 3, 2015 to January 20, 2016. Note, per MDEQ, this data is from **uncontrolled samples** provided by residents.

*This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number -- Phase II questions were developed to help clean this up.

Local EOC

Operations:

- Distribution of supplies at five water resource sites in the City of Flint.
- Door-to-door distribution of supplies with 34 water response teams (19 ARC volunteer teams, 15 MSP/GCSO/NG teams).
- Facilitating rapid response deliveries to homebound residents and special locations by three teams staffed by Team Rubicon, and Lt. de Castro (MSP/EMHSD).
- Improved logistics for rapid response teams by providing transportation and iPads starting on 01/25/2016.
- Coordinated with ARC for distribution of additional iPads for data entry.
- Identified alternative warehouse locations for lose donations.
- Directed volunteer requests to appropriate state agencies.
- Started coordination for resource demobilization.
- Coordinated with 22 churches so they had water, filters, etc. Delivered Saturday. Some advised they were set with supplies. Lt. Roach (MSP District Coordinator will maintain contact with Pastors).

Chris

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Update 1/23/16 – 19h Day (18th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs

Attached Documents:

- SitRep 18

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have National Guard/state/local agency, type 3 teams
- We will have 40 ARC, type 5 teams (2-4 personnel).

Items to Note

- Deployed : state/local teams and 40 ARC Flint Water Response Teams to the field today.

- Created a media monitoring report and looked for misinformation. A call was made to WILX to amend their article that implied that the State was not distributing water to undocumented immigrants. The news release was also sent to WILX about how the State is not requiring identification to receive water resources.
- SEOC Logistics worked on future resource planning and a local business commodity supply plan.
- Drafted talking points for Monday's press conference with Governor Snyder, Colonel Etue, and the Mayor.
- Put in place a place to control POD distribution as much as possible. SKU numbers are being lined out on commodities to prevent or minimize returns for cash.
- Information reported to the JIC:

    - As of 1/23/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

To Date	1/23/2016
37,943	6,323 National Guard
	7,361 ARC

2. Distributed: Includes outstanding data from yesterday- PODs after 5 pm, ARC worksheets and local EOC hotshots

Commodity	*Total to Date*
a. Number of cases of water	148,866
b. Filters	86,843
c. Filter cartridges	194,622
d. Test kits	25,586

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 133,662 (additional 24,634 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard State type 3 teams---Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot/Rapid Response Team process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas. The city identified some but they are just as bad as the current ones.
- Working on finalizing a recycling plan for the incident.
- Lt. Roach sent up the church information to Tom Webber. She also received one church site that will act as a potential church mega site.
- SEOC GIS to provide a layer for the vulnerable populations so that Team Rubicon can get to them and track in the iPad.

New Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/23/16, As of 5 pm, 13,684 homes were visited today
2. **Total number of homes visited:**
    a. 37,943, does include duplicate counts from the second canvasing
3. **Total number of National Guard on the ground:**
    a. 276
4. **Total Number of Volunteers each day:**
    a. 310 volunteers for 1/23/2016
5. **Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016,
6. **Number of Water filters distributed (each day and to date):**
    a. 4,156 were distributed on 1/23/2016, and total distributed to date is 86,843
7. **Cases of Bottle water distributed (each day and to date):**
    a. 27,462 were distributed on 1/23/2016, and total distributed to date is 148,866
8. **Number of testing kits distributed (each day and to date):**
    a. 2,171 were distributed on 1/23/2016, and total distributed to date is 25,586
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time until we get the data
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time until we get the data
11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. Unknown at this time

Chris

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Update 1/22/16 – 18h Day (17th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Plan for next phase with MSP and NG personnel
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep # 17
- Briefing provided to the HHS Undersecretary by FEMA (due to time only finished 75%)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- 15 National Guard/State/Local (6-9 folks) type 3 teams

- 40 ARC (2-4 folks) type 5 teams
- Deliveries going out to all churches on our list we have been working with (21) for Sunday services.
- I will not be in the SEOC Saturday. Tony Katarsky will be the acting SEOC state director. I will be available by phone (wrestling meet).
- Sunday, Lt. Mike Johnson will be acting SEOC state director but I may be in for some of the day.
- Monday I am out on a college visit with my son...I will be available by phone and Tony will again be acting.

Items to Note

- Deployed · state/local teams and 15 ARC Flint Water Response Teams to the field today.
- SEOC Operations worked on getting local contact into the JIC along with developing messaging for resources and donations.
- SEOC Planning worked on the further development of long term strategy.
- Recovery branch continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday.
- SEOC logistics worked with FEMA/DHHS on warehouse tracking status/strategy, coordinated resources, and donations management.
- Have had a number of media request concerning resources for immigrants and population less proficient in English. Clarified with a news release that we are not requiring ID but we are asking for addresses to assist with long term recovery. Nobody will be denied resources if they fail to provide us an address.
- Have received numerous inquiries from celebrities on how they can assist and donate.
- We are validating a lot of data but what we have currently is 38,144 parcels in Flint that are not considered "vacant". This does not mean all parcels have a tenant, there are a lot of houses that are empty.
    - 26,673 water subscribers in Flint (not including franchise).
        - Water Subscribers with a Filter = 15,399 (57.7%)
        - Water Subscribers without a Filter = 11,274 (42.2%)
            - With our second pass we are getting more information as to why people do not have a filter. Looking into whether these include homes connected but nobody currently living there. We are refining the data.
    - 11,471 Non-Water Subscribers in Flint.
        - Non Water Subscribers with a Filter = 2,196 (19%)
        - Non Water Subscribers without a Filter = 9,275 (81%)
    - The SEOC Ops Chief has been directed to firm up all numbers with GIS. We have a GIS specialist from FEMA Region V also deployed to the SEOC to assist. ArcGIS has advised us that the amount of data we have collected is more than some major disasters in other states. We are looking into getting their personnel more engaged to ensure we are using all the tools available for analysis.
- SEOC Finance Chief is working on costs to date and all SEMCs were advised to tighten up their records and ensure we have accountability of all costs.
- Information reported to the JIC:

    - As of 1/22/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

To Date	1/22/2016
37,697	5,920

2. Distributed: Includes outstanding data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots.)

Commodity	Total to Date
a. Number of cases of water	121,404
b. Filters	82,687

c. Filter cartridges	191,704
d. Test kits	23,415

3. Resources purchased:
    a. Cases of water 130,782 (additional 21,682 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

4. Teams going out tomorrow:
    a. ; National Guard State ( ) type 3 teams -- Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas.
    - Working on finding a new POD for 3 and 6. We are aware that the mayor would need to approve this.
- Coordinated water donations and delivery areas.
- Last minute large donations of water and volunteers expected during the weekend.
- Working on finalizing a recycling plan for the incident.
- The Jail water has been tested and is fine. The prisoners are not being poisoned and the local health department is working on clearing this issue up.
- Working on a plan with the churches to have 4 mega sites for churches (N,E,S,W) and have smaller churches work through these sites to get supplies. Churches are interested in the recycling program, putting information in their bulletins and also used a collection sites.
- Team Rubicon is coming tomorrow to assist with home deliveries.
- Continuing with recycling plan. Need to identify sites with city. Local EOC has visited areas with the local contractor.

Chris

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Update 1/21/16 – 17^{h} Day (16th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) - "Phase II"
- Plan for next phase with MSP and NG personnel for Governor approval – "Phase III"
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep 16
- Draft Water Operations Plan for moving to next phases (Discussion document)
- Resident Water Sample Results Map (Not for public distribution)

- January 13-19 comparison map

Status on Governor's request letter to the President

- Emergency declaration received. Pending decision of Major Disaster appeal and any denials under the Emergency Declaration (e.g. Category B). We have not been denied category B yet ... POTUS/FEMA has not given it to us though. I believe we may get a denial of category B in conjunction with the Major Disaster appeal decision. We will have 30 days to appeal.
    - Category B is critical in that it is for Emergency Protective Measures which includes (but is not limited to EOC related costs, supplies and commodities, safety inspections, and in limited circumstances "water testing and treatment supplies in the immediate aftermath of the incident to counter a specific threat." We purposely put our start date of this incident to be April 25, 2014 in hopes we get category B and could get 75% federal funds for many other costs all the way back to 2014 – long shot but would be huge if we land this.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard/state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 15 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- We are using the terms Phase II, Phase III, etc. These are for internal discussion for planning and not meant for public dissemination at this time unless it is determined to be beneficial.
- The draft operations plan (attached) was completed in conjunction with MSP and NG personnel to initiate discussion on our next steps as to WRTs and PODs.
- The WH issued a statement that $80 million dollars in aid to MI mostly to repair Flint water infrastructure. We do not have additional information on this. This may be existing federal funds provided to MI that is just being opened up for other use. FEMA does not have any information on this.
- We have been advised we exceeded the $5 million under the emergency declaration. We are at $7.6 million.
- FEMA has advised that any donated items can be used to offset the state cost share. We are working on the mechanism with FEMA to do this.
- Deployed ` state/local teams and 10 ARC Flint Water Response Teams to the field today.
- SEOC logistics worked to project future orders of water resources and commodities.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- DEQ test kits are only being provided to those who ask for them.
- I made contact with Senator Ananich aid, Julie Townsend, who was a POC for his volunteers. They are set to work next week on the 30th.
- MDOT met with city personnel to look at Station 6 POD and other PODs to see how traffic flow can be facilitated and safety increased. Additional report out due 1/22.
- A request from MSP MC3 for NG Cyber personnel (3 at $32,000 for 30 days or less) was initiated. This is to assist with the cyber attacks that have occurred/future attacks related to Flint Water. PENDING APPROVAL. NG advised this would have to be funded with existing funds at this time and to make adjustments.
- MDARD Food Program staff have completed assessments of all 21 food businesses (including restaurants) that were located in the highest risk area. In addition, they have completed assessments at 34 food businesses in the medium risk area, and have scheduled 28 appointments to collect water samples.
- Dr. Nicole Lurie, the Assistant Secretary for Preparedness and Response from the US Department of Health and Human Services (HHS), in addition to the HHS Regional Coordinator and other CDC staff, visited the CHECC and SEOC this morning and provided commentary to CHECC and SEOC staff/EMCs. She also attended a briefing from FEMA before departing to visit Flint.

- Parents of boarding students at the Michigan School for the Deaf were notified of the elevated lead results in Stevens Hall. All fixtures in the dormitory are scheduled to be replaced by January 24, 2016. Lt Gov. has scheduled visit on January 25.
- Valley Area Agency on Aging (VAAA) continues to take calls from seniors and caregivers needing access to water and filters. VAAA is providing this information to the local EOC each afternoon for follow-up.
- Information reported to the JIC:

    - As of 1/21/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase 1	Phase 2
30,770	5,409

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.

Commodity	Phase 1	Phase 2	Total to Date
a. Number of cases of water	94,688	10,403	105,091
b. Filters	77,215	2,356	79,571
c. Filter cartridges	188,389	1,039	189,428
d. Test kits	20,037	1,588	21,625

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes/multi family (The is the low end target #)

4. Resources purchased:
    a. Cases of water 124,398 (additional 20,098 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard/State/Local type 3 teams -- Goal tomorrow 300 homes per team
    b. 15 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

• Attended ARC meeting with VOADs to discuss volunteer management and strategies.
• Attended meeting with Plumbers and Pipefitters Union to assess the need for long term cooperation for filter installation and fixture
replacement.
• Requested and received confirmation of deployment of Team Rubicon (starting on 01/23/2016).
• Facilitated Flint & Genesee Chamber of Commerce representation at the EOC.
• Addressed security issues at Fire Station 3, 6 and 8 PODs (residents concerned about criminal activity).
• Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
• Met with Genesee County Planning Commission, United Way of Genesee County and Michigan Community Service Commission to clarify
recycling plans and potential volunteer utilization.
• Coordinated and verified deliveries of supplies to apartment complexes.

• Identified potential locations for recycling stations.

Chris

Update 1/20/16 – 16th Day (15th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for second phase of door to door operations
- Submitted appeal to FEMA Region V
- *Prepare for appeal on denial of Category B under the Presidential Emergency Declaration*

Attached Documents:

- SitRep 16

Status on Governor's request letter to the President:

- Emergency declaration received.

Key items for tomorrow to note are:

- Five copies of the State/FEMA agreement will need to be signed by the Governor. Capt. Kelenske has them and will coordinate delivery.
- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard (MSP supported), type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- Dr. Luri from HHS will be at the SEOC ~10:00 p.m.
- A second phase is starting tomorrow which will include more refined questions as to type of filter systems each person has. This will assist with sustainment operations.
- DOC prison work crew personnel (6-7) will be at the warehouse to keep the area clean. A lot of trash is generated in the warehouse and was becoming an issue.

Items to Note

- Deployed state/local (NG, MSP, Local) teams and 10 ARC Flint Water Response Teams to the field today.
- MSP and local Sheriff's Department continue to provide over watch for WRTs.
- Aqua Hydrate contacted me to donate 5000 cases a month (4 semis) for a year. I was advised by Lindon Nelson this was a Governor/Mayor/Senator Ananich and Meekhof initiative and a press release was going to go out soon (TBD). Logistics is following up with them.
- News release sent from Governor's office about the appeal to the President of the disaster declaration.
- SEOC Logistics worked with JIC and Governor's office to establish a business resource submission tab on www.helpforflint.com
- SEOC Operations continued to develop and finalize Phase 2 canvassing roll out.
- Meeting held with Dr. Luri from HHS.
- Capt. Kelenske and other state agency financial personnel attended the appropriations hearing.
- End of day – concerns with the mass amounts of volunteers showing up and wanting to help. This can cause logistical issues but staff was working to get additional tasks for volunteers outside of the WRTs. We will continue to work on ways to involve more volunteers.

- Additional 5 person NG team for warehouse support approved.
- Information reported to the JIC:

    - As of 1/20/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 29,317 homes visited by the FWRTs to date.

    2. Distributed: Includes outstanding hard copy data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots).
        a. Number of cases of water 90,337
        b. Filters 73,229
        c. Filter cartridges 185,852
        d. Test kits 19,866

    3. Total number of customers on the Flint water system
        a. 29,944 paying customers
        b. 45,000 hookups (This is our high end target #)
        c. 39,000 includes apartment complexes (The is the low end target #)

    4. Resources purchased:
        a. Cases of water 111,630 (additional 18,502 donated)
        b. Filters 115,700
        c. Filter cartridges 243,200
        d. Test kits 61,161

    5. Teams going out tomorrow:
        a. National Guard pe 3 teams---Goal tomorrow 300 homes per team
        b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Addressed reports of water contamination in distributed bottled and canned water. Confirmed that water is safe to drink through testing by MDEQ. Coordinating with JIC and MDEQ for improved public information on the issue.
- Identifying options to reroute unsolicited offers for supplies and services outside of the EOC. Coordinating to set up 800 number.
- Attended meeting with Flint & Genesee Chamber of Commerce to discuss coordination of efforts, representation at EOC, and improved messaging.
- Attended meeting with Community Foundation of Greater Flint to discuss coordination of neighborhood groups and improved messaging.
- Coordinated with MDARD to provide additional lead testing at restaurants, and signage for safe locations.
- Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment
- Coordinated and verified deliveries of supplies to apartment complexes.
- Discussed logistics requirements of delivery requests for homebound residents with SEOC Logistics.

Chris

Update 1/19/16 – 15th Day (14th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Prepare plans for next phase of operation – Second sweep of city

Attached Documents:

- SitRep 14

Status on Governor's request letter to the President:

- Emergency declaration received.
- Appeal letter pending.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 9 National Guard, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed state/local teams and 11 ARC Flint Water Response Teams to the field today.
- Messaging being developed for concerns regarding the Total Dissolved Solids (TDS) meters and citizens' concerns with those meters indicating "lead" in bottled water. Testing of water to be done by DEQ to ensure we have solid messaging.
- DTMB is working to secure space in Flint for FEMA staff.
- Press release went out this afternoon to announce that the US Department of Health and Human Services will lead the federal response in Flint. Capt. Kelenske to meet with Dr. Nicole Lurie, HHS Assistant Secretary for Preparedness and Response (ASPR), on Thursday. The goal of the federal response will be to help state and local leaders identify the size and scope of the problem, and work with them to make and execute a plan for mitigation of the short- and long-term health effects of lead exposure.
- 5 Additional NG personnel being requested to assist with Warehouse inventories.
- 100 NG personnel on the ground with the WRTs tomorrow with 100 more transitioning in.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- LG is going to be in Flint working at one of the PODs on Wednesday.
- Information reported to the JIC:

    - As of 1/19/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 22,129 homes visited by the FWRTs to date.

    2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.
        a. Number of cases of water 77,794
        b. Filters 69,730
        c. Filter cartridges 184,457
        d. Test kits 16,671

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 95,760 (additional 16,056 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard ( ) type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Attended public health group meeting with GCHD, City of Flint Water Department and MDEQ to discuss water test information being returned to residents, to allow residents a greater understanding of results.
- Attended recycling/trash management group meeting with DEQ, Republic Services, Keep Genesee County Beautiful and Genesee County Planning Commission. Provided projections on current and anticipated bottle distributions.
- Coordinated deliveries of supplies to faith-based organizations, apartment complexes and homebound residents
- Coordinated with Comcast to set up locations for distribution of filters (distributed 60 filters on 01/19/2016).

Chris

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Update 1/18/16 – 14th Day (13th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) and PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.
- Complete appeal for Presidential Major Disaster Declaration denial.

Attached Documents:

- SitRep 13
- Side by side comparison of homes with filters January 13th compared to January 18th. This should be hitting the media tonight. This took longer to create than I wanted but is the image I have wanted to show progress of getting filters in to the field.

Status on Governor's request letter to the President:

- Appeal in process.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.

- We will have ' state/local agency, type 3 teams ( ), with a goal of 300 homes per team.
- We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- NG will be bringing in personnel to prep for surge.

Items to Note

- Beginning tomorrow the operational periods will be 7 days long.
- The CDC/ATSDR (Agency for Toxic Substances Disease Registry) has deployed a team to Michigan.
- An Arabic version of the palm card was reviewed and approved. This was developed via Arab American and Chaldean Council.
- Deployed 12 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- DTMB is working to secure space in Flint for FEMA staff.
- Cost analysis to investigate if it would be more cost effective for FEMA to purchase water vs the SOM.
- ARC news release concerning the Volunteer Reception Center (VRC) sent out today.
- Media availability conducted today at 3pm at the VRC.
- Since 1/14/16 Michigan 2-1-1 has received three direct reports of bottled water testing positive for lead. DHHS SEOC Desk and DEQ SEOC Desk was able to contact two of the callers. The Zero Water filter (pitcher) has a handheld test device so people know when to change the filter. This TDS Meter measures dissolved solids (it is not a lead test). *This was explained and we are going to work on messaging to ensure this does not cause issues.* Dissolved solids are in all water. The water from the callers is going to be tested and a case of water from one of the companies will also be sent to DEQ for testing. Brands are Spartan Spring Water and Canned Water for Kids. The filter company is also going to work on messaging and work with us on this matter.
- Information reported to the JIC:

  - As of 1/17/16 as of 5 pm (start date was Tuesday, 1/12/16)

1. 21,393 homes visited by the FWRTs to date.

2. Distributed:
   a. Number of cases of water 37,313
   b. Filters 53,713
   c. Filter cartridges 169,520
   d. Test kits 7,379

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 82,992 (additional 16,056 donated)
   b. Filters 115,700
   c. Filter cartridges 243,200
   d. Test kits 61,161

5. Teams going out tomorrow:
   a. State (s) type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Continuing to work with faith based organization to distribute resources.
- Working with colleges to obtain volunteers for canvassing.

Chris

Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs), PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
  - Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have 12 state agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
  - We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed state/local teams and 10 ARC Flint Water Response Teams to the field today.
  - 4,963 homes visited today.
- DTMB is working with DSEMIC and NC3 to monitor social media for information on cyber-attack yesterday.

01/16/16

- Approximately 5:00PM, Michigan.gov began to experience slowness in web page load time. Approximately 10 minutes later the Michigan.gov site became inaccessible caused by of a denial of service attack.
- IBM team was able to implement a mitigation strategy to stop the attack that began at 5:00PM. At 6:24PM the michigan.gov websites were again available to the public.
- Approximately 7:30PM, a new attack was initiated on the michigan.gov environment. The attack focused on the DNS servers and resulted in michigan.gov becoming inaccessible. Additionally, due to the nature of the attack other IBM customers were affected as well. IBM was able to implement a new mitigation strategy that resulted in the excessive traffic being blocked. At 7:53PM the websites were restored to normal operation.
- Shortly after the michigan.gov websites were restored, the State of Michigan was notified by our internet service providers that a DDoS attempt was made against our SOM DTMB servers in the external DMZ. Once detected, this attack was blocked and Michigan Cyber Security saw no signs of any other types of attacks.

01/17/16

- Genesee County was unable to access MiCIMS due to the State increasing filters. Michigan Cyber Security made adjustments to filter settings and their access to MiCIMS was restored.
- DTMB reached out to the City of Flint CTO, Paul Knific, offering any support they need. Right now they feel they have bigger issues than trying to get some of the things back online.

We currently do not have any additional information on the attacks on the City of Flint (cityofflint.com) or Flint Township Police (flinttownshippolice.org) websites. We'll continue to pass information along as we receive it.

- Information reported to the JIC:
    - As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 27,195
    b. Filters 50,432
    c. Filter cartridges 168,605
    d. Test kits 4,861

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. State ;) type 3 teams---Goal tomorrow 300 homes per team
    b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- *Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.*
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.
- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies

- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state agency, type 3 teams , with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.
- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- NG will have a total of personnel in the PODs for distribution. Mission has not changed.
  - NG soldiers have been in the PODS. more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.
- Information reported to the JIC:

  - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

2. Distributed:
   a. Number of cases of water 20,876
   b. Filters 47,935
   c. Filter cartridges 167,401
   d. Test kits 3,322

3. Total number of customers on the Flint water system
   a. 29,944 paying customers

b. 45,000 hookups (This is our high end target #)
c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:
   a. State type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

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Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed
- Continue with door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.

- When we get the declaration(s) ... I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state agency, type 3 teams , with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
  - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).
- I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 10 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.

  - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
   a. Number of cases of water 18,576
   b. Filters 45,916
   c. Filter cartridges 165,382
   d. Test kits 3,217

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 44,688 (additional 12,884 donated)
   b. Filters 78,520
   c. Filter cartridges 163,081
   d. Test kits 18,761

5. Teams going out tomorrow:
   a. State ( ) type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.
- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

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Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.
- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.
- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.
- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.
- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but it appears we have filters in over half the residences):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	**3417**	**394**	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	3741			
Future sample test site	114	28	34	52

Chris

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Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and close lease on warehouse space
- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- Continue to work on Governor's Declaration of an Emergency

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
    - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
    - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
    - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
    - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA
- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- The door to door teams will continue at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- MNG will have a press event at the armory with incoming soldiers and MG Vadnais.

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.

- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP get supplies, receive a mission location and deploy.
- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377
Resources			
Door Hangars	473	217	256
Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. The current plan includes:
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.
            - Local EOC support for other local requests (Faith based for distribution, etc.)
        - Three warehouse locations at this time
        - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.
    - Water (cases) - 19,152 cases delivered

- Budget projection completed and will be submitted to SBO for review.

- Notes from Water Response Team Command (MSP)
    - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
    - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
    - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)

Attached Documents:

- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:

- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
    - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
    - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
    - Ordered:
        - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
            - 1/3 is going to GCCARD and the rest is going to the new warehouse
        - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
  - Today's numbers
    - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
      - 2,000 – Brita filter faucet mounts
    - Filter Replacements
      - 2,400 – Brita filter replacements (single pack)
      - 8,000 – Brita filter replacements (two pack)
  - Ordered on 1/12/16 to arrive Wednesday
    - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
      - 10,000 – PUR Vertical faucet mount
      - 2,500 – PUR Horizontal mount
    - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
      - 10,000 – PUR replacement filters (3 pack)
      - 10,000 – PUR replacement filters (single pack)
    - PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)
      - 10,700 – PUR combo packs

- To arrive Thursday
  - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 1,300 – Zero Water pitchers
  - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 11,000 – PUR vertical faucet mount
    - 1,500 – PUR Horizontal faucet mount
    - 5,000 – Brita faucet mount
    - 10,000 – Brita adv faucet mount white
    - 12,000 – Brita adv faucet mount chrome
  - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 117,600 – PUR replacement filter

- Test Kits
  - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
  - 500 have been assembled and are ready for distribution
  - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
  - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
  - 100, 000 square feet of secure warehouse obtained.
  - Accepting commodities beginning Wednesday, January 13

- Logistics Support
  - The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
  - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
  - We are working on version 2.0 so this can be used at the PODs

- We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
- Notes from the field commander:
  - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
- In the end, there were 394 total home visits with the following breakdowns:
  - 217 Door Hangers
  - 152 Vacant Homes
  - 117 Water Distributions
  - 112 Filters
  - 3 Pitchers
  - 48 Water Test Kits

- 211
  - CALL VOLUME:
    - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:

- SitRep 6

Key items for tomorrow to note are:

- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
  - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.
  - The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note

- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.

- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

- Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
- Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
- Working to establish a warehouse for local resource storage.
- Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
- Discussed potential long term water sources between local EOC and SEOC.
- Established planning cycle/meeting scheduled for 1/12/16.
- Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; **however**, there may exist opportunities to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

    - We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
    - A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***

- An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to supplement State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***
    - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
- Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is beyond the capability the state and affected local governments, and that the state requires supplementary federal emergency assistance to save and to protect property....***
- Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
    - Debris Removal = ***self-explanatory and we do not have this***
    - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
    - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

Key items for tomorrow to note are:

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.
    2. Ensure accurate tracking and accounting of all commodities.
    3. Improve and maintain public information strategy.
    4. Develop a long term public health and services plan.
    5. Ensure adequate staffing to support operational requirements.
    6. Identify possible assistance programs.
    7. Develop an approved GIS strategy.
    8. Maintain coordination between partner agencies and organizations.
    9. Enhance situational awareness and common operating picture of all activities.
    10. Develop a comprehensive Recovery Plan.

Items to Note

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.
- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.
    - The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (looking at private sector partners to assist, especially with the warehouse management side).

- GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.

- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).
  - 12,386 filters
  - 1,985 replacement filters
  - 354 Pitchers
  - 2500 Lead Testing Kits
- Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
  - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
  - We have ordered an additional (expedited delivery with ETAs tomorrow)
    - 40,000 Brita Filters
    - 40,000 Brita Replacement Filters
    - 1000 Zero 8-Cup Pitchers
    - 1000 Zero 8-Cup Pitchers
    - 2000 PUR Replacement Filters
    - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- *JIC Items*
  - Requested PSA on the radio. Media has been approved and working with MAB.
  - Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
  - A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
    - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
    - JIC moving tomorrow to Flint.

Local Emergency Operations Center

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. *No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you* should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

Fire Station Inventory Levels:

Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up *replacement filters from Home Depot and deliver.*

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.
- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.
- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.
- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information … I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.
- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.
- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.

- Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
- Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
- GIS maps will provide guidance on deployment locations for these teams and other teams in the field.

- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

MSP/EMHSD GIS Section Updates

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.
- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

Local Emergency Operations Center

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff (2-positions) will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
  - Logistical activities to support church operations.
  - Logistical activities to support fire stations operations.
  - Coordinate Donations Management activities and draft donations management plan
  - Coordinate Volunteer Management activities
  - Identify local storage/staging facilities
  - Overall inventory tracking
  - Tracking of Points of Distribution (PODs)

Chris

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Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and

trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
  - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
  - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.

- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.
- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:

Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**

- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**
        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.
    5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
    6. Develop a comprehensive GIS strategy.
    7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
    8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
    9. Provide technical assistance to the local Damage Assessment process.
    10. Establish a Joint Information Center (JIC) and develop a public information strategy.
    11. Monitor MI CIMS for resource requests and address as appropriate.
    12. Establish and disseminate cost center information for the incident.
- Additional tasks include:
    - Determine what federal agencies are already involved and their status
    - Identify potential water supplies
    - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
    - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
    - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC

- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
    - Water Pipeline Locations
    - Filter Distribution Locations
    - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
    - Affected School Locations
    - Predictive analysis of blood lead levels for affected area
    - Updated Parcels
    - Demographics
    - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

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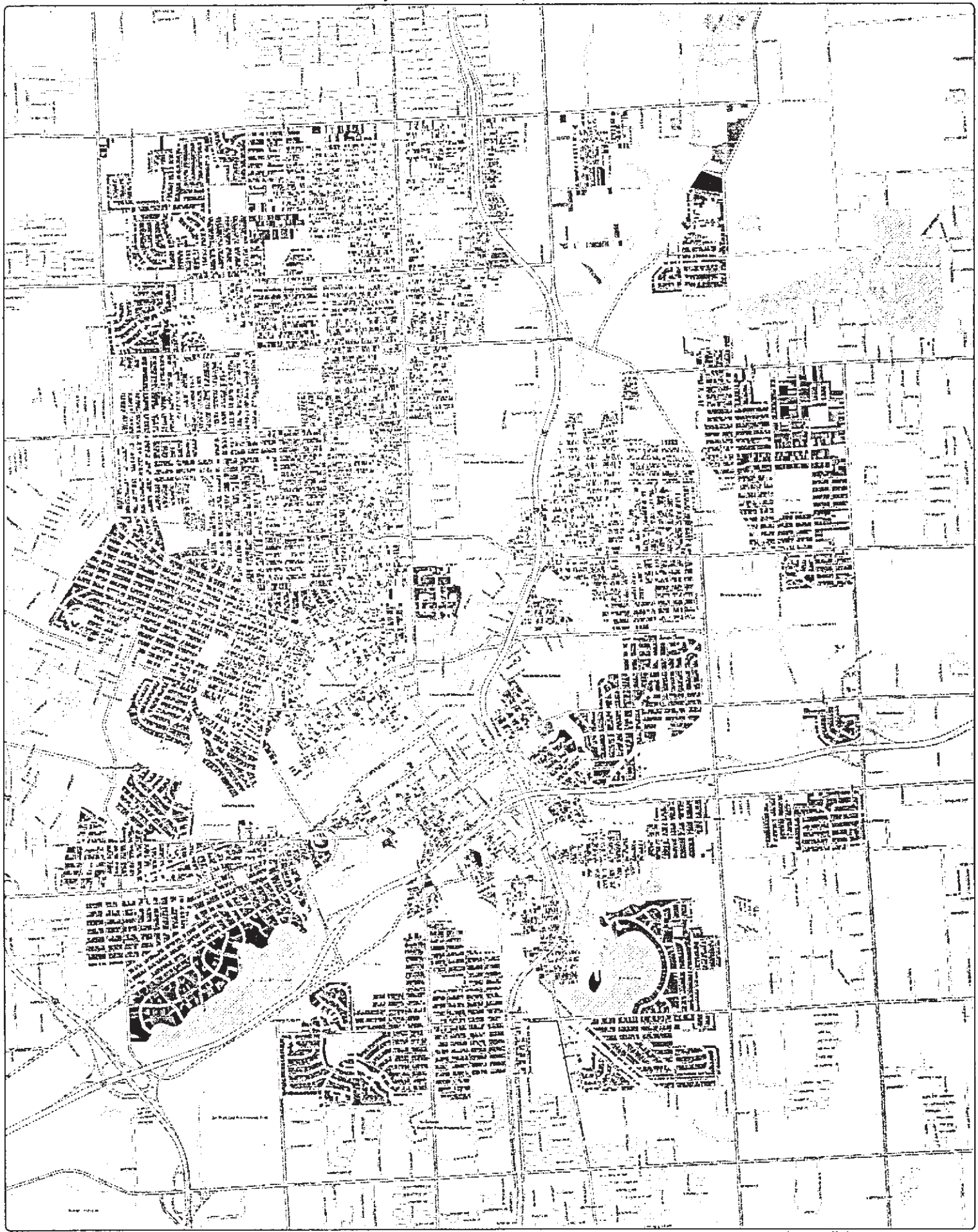
Residential Parcels Contacted by Flint Water Response Teams (As of 1/26/2017 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Parcel Filter Status (Multi-Tenant Excluded)

- Subscriber | No Filter
- No Subscriber | No Filter
- No Subscriber | Filter
- Subscriber | Filter

Miles 0 0.425 0.85
Feet 0 2500 5000

Author: mse-sec-pc23@michigan.gov
Created: 04:51 PM, 27 Jan 17

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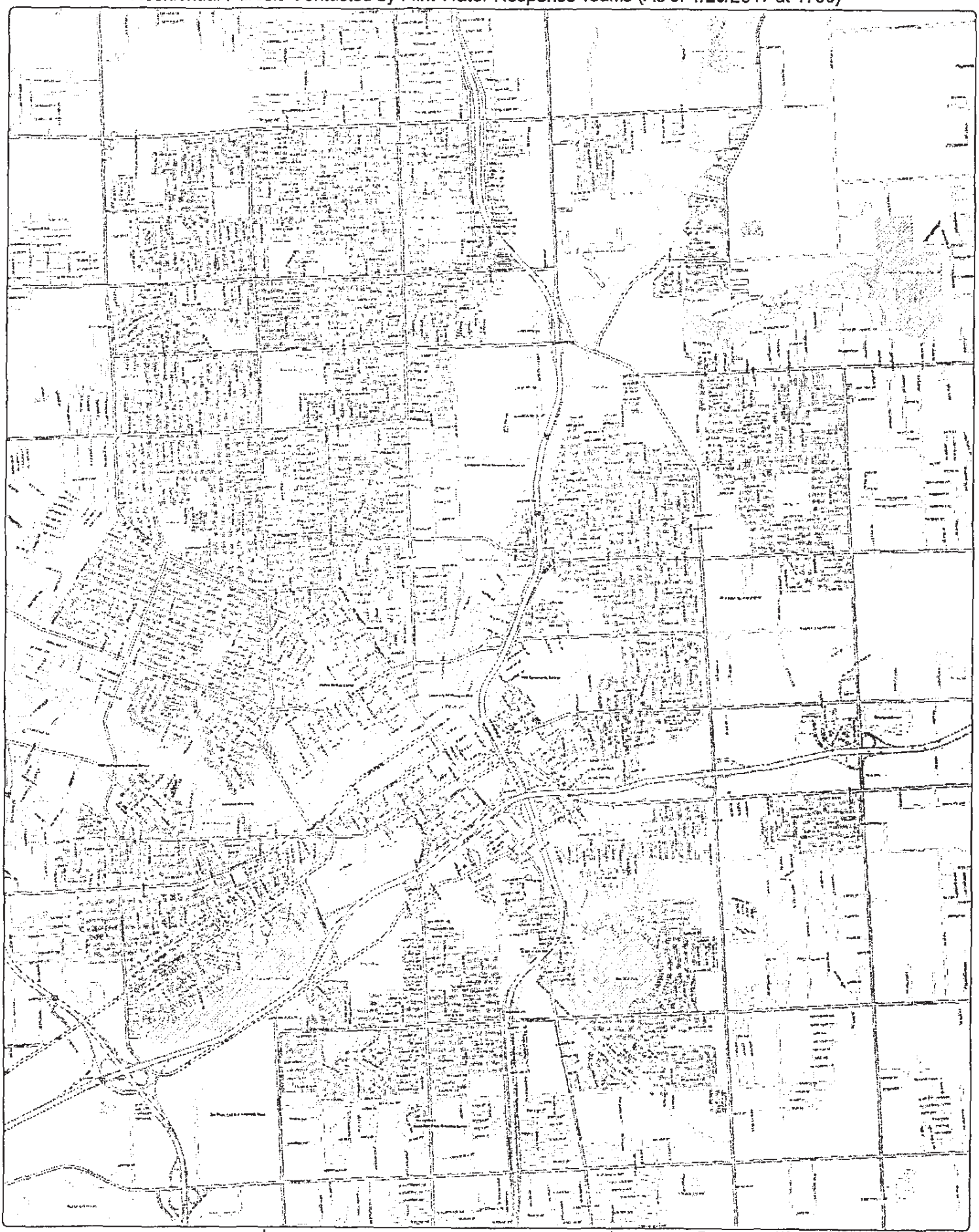
Residential Parcels Contacted by Flint Water Response Teams (As of 1/26/2017 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Parcel Contact Status

- Visited | Occupied
- Visited | Occupied | Not Home
- Followup Required
- Visited | Not Occupied

Miles 0 0.5 1 mi
Feet 0 1,250 2,500 5,000

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Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/26/2016 08:00:00
Operational Period End:	02/02/2016 08:00:00
Situation Report No.	22
SEOC Status:	Full
SEOC Hours of Operation Begin:	*01/27/2016 08:00:00*
SEOC Hours of Operation End:	01/27/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 27, 2016):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Resources.
- Public information control.

Logistics:
o Ordered radios from MSP Communications for supply truck drivers.
o Processed Requests (RRF's) for water, filters, replacement cartridges, pitchers, and pallet jacks from FEMA.
o Worked with the Michigan Community Service Commission on donations management and volunteers.
o Researched possible warehouse options with the local EOC, FEMA and GM.
o Warehouse inventory will be taken in liters for water and by each unit for other items.
o Requested an optimal warehouse inventory staffing plan for the new warehouse when identified.
o Secured donations of pallet jacks (so far) from American Logistics Aid Network. In discussions for warehouse space, staffing, and equipment.
o Reviewed, assigned, investigated, and updated resource requests.

JIC:
o Press conference held today with the Mayor, Governor, Capt. Kelenske, and others.
o Press releases 19 went out today concerning bathing in water, number of homes visited, and the Governors announcement of a comprehensive plan for flint.

Recovery Branch:
o Coordinated the data entry of the ARC paper tracking forms.
o Coordinated with the SEOC GIS team to identify areas to develop and provide maps that the Red Cross Teams are working on today.
o Worked with GIS to develop an area map and spreadsheet with addresses based on data specified as follow up required.
o Worked with GIS to acquire addresses for water response teams.
o Coordinated daily assignments for the Flint Water Response Teams.
o Compiling a list of apartment complexes for targeted outreach. Once the plan is in place a team will go to each complex and verify tenants have received filters and GIS will mark parcel as complete
o Operations for the Water Response Teams has shifted to a targeted effort to get filters into homes our data shows don't currently have filters.
o Continued demobilization of trucks and vans.
o City Sections Visited Today: 6, 26, 27, 28, 29, 31
o City Sections Scheduled Tomorrow*: 3, 9, 11, 17, 19, 20, 23

o Data is for 1/27/16 as of 5:00 pm:
o Total homes visited.
❑ 4,966 (round 3 total).
❑ 1,020 (today).
o Water Cases:
❑ 2,534 (round 3 total).
❑ 766 (today).
o Replacement Cartridges:
❑ 343 (round 3 total).
❑ 173 (today).
o Faucet Filters:
❑ 1,877 (round 3 total).
❑ 676 (today).

Planning Section:
o Published Sit Rep # 22.
o Participated in daily SEOC briefings and distribution process conference calls.
o Collected and prepared data for Governor's Office and Senate Appropriations committee meeting.

Operations Section:

o 69 Red Cross volunteers were active across the operation today.
o 40 event based volunteers were active across the operation today.
o Captain Kelenske will be in Flint today at meetings and a press conference.
o Facilitated state agency and local briefing calls.

o Warehouse Numbers as of 1800 (inventory was calculated from 1/26/16 totals and net movement of resources 1/27/16):
- Water (cases):
- 70,369.
- Filters (faucet):
- 42,758.
- Replacement cartridges:
- 159,467.
- Test Kits (prepped):
- 3,689.
- *Test kits (un-prepped):*
- 0 (all supplies out to ARC for assembly).

o PODs (1700 1/26 – 1600 1/27).
- Water (cases):
- 9,381.
- Filters (faucet):
- 440.
- Replacement Cartridges:
- 992.
- Filters (pitcher):
- 351.
- Test kits:
- 353.

Finance Section:
- Provide financial information for Senate Appropriations Committee meeting this afternoon.
- Worked on the SEOC Staffing report.
- *Worked with other state agencies regarding procurement policies and procedures.*
- Reviewed donations as match guidelines for required 25% federal match.

GIS Branch Updates:
- Identified several unique zip codes in the city that do not have a prescribed geographic area that will need to be considered for mass mailings or identifications of addresses.
- Produced new team assignment maps to assist FWRT in targeting parcels that require follow-up.
- *Monitored and cleaned up real time application data from field teams and PODS.*
- Coordinated with DTMB/CSS to meet with local GIS staff to review city GIS infrastructure and provide recommendations on future asset management.
- Coordinated with DNR and DEQ to establish timelines for lead mapping and strategize updates of lead statuses based on plumber activities.
o NOTE: DNR will be providing semi regular updates to GIS on newly identified lead areas and we will consolidate at the end of day for daily status maps
o NOTE: Lead mapping project is projected to be Friday, 29 January 2016.
- Requested updated zip code file be generated by DTMB CSS, update will be provided tomorrow on the status of the feature creation.
- Researched applications of the DTMB master address repository to emergency operations.
- Created map comparing todays planned activities to newly established priority areas.
- *Mapping test results from DEQ, final product should be completed by the morning.*

DTMB:
- Worked with leasing office to secure warehouse space at a closed Kroger site.
- Worked with VTS to develop a plan for demobilization of vans from Flint.
- Worked with DEQ to develop a way to ensure other filtration systems meet the NSF standard.
- Worked with the department of corrections to obtain pallet jacks for the PODs and drivers for the food bank.

DHHS-CH:
- The CHECC met with the State Coordinating Officer from US DHHS. They worked on a plan for support.
- Working to leverage local health volunteers to support this response.
- Local HD has expressed concerns about staffing and we are working on a solution.
- We are working on a health strategy for pregnant mothers.

DEQ:
- Working with the department of corrections to get samples taken to the DEQ laboratory in Lansing.
- Working with DOC and ARC to get bottles transferred to ARC to be made into testing kits.

Local EOC Update:
- Planning for transition of operational control to local level.
- Identifying and securing additional warehouse space for donations management.
- Coordinating rapid response deliveries to identified locations.
- Coordinating demobilization of vehicles and technology.
- *Working to implement the recycling program in Flint. Press conference scheduled for 01/28/2016.*
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management through the Michigan Community Service Commission, ARC and other VOADs.

Incident Response/Recovery Priorities/Objectives

(Objectives are in order of priority with original objective number attached)

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
7. Gather, analyze, and disseminate GIS data to develop products for future planning.
10. Collaborate with local and volunteer agency partners to solidify the Flint Water Operations Plan.
3. Improve and maintain the public information strategy and process.
8. Maintain coordination between partner agencies and organizations to include FEMA IMAT and the FWICC
4. Develop a long term public health and services plan.
6. Develop an overview of possible assistance programs.
9. Enhance situational awareness and common operating picture of all activities.
5. Continue to maintain adequate staffing to support operational requirements.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Declaration of Emergency for Michigan Contaminated Water (EM-3375), 1/16/2016

Weather Conditions

Watches/Warnings

Upcoming Forecast

Forecast Update for Flint, MI - January 27

- Additional snowfall late tonight into Thursday (January 28). Less than 1 inch of accumulation expected.
- Breezy conditions Thursday (January 28) and Friday (January 29) with gusts around 25 mph.

High temperatures through the end of the week will hover around 32 degrees before increasing into the 40s both Saturday (January 30) and Sunday (January 31).

Risk for frostbite from exposure over the next week is low unless exposure time for the individual is several hours in length with the person engaging in little to no activity.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSla

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was expected to be operational in Flint from 8 a.m. to 8 p.m. on Jan. 27. The JIC was operational until 10:30 p.m. on Jan. 26.

State agencies at the JIC included the Michigan State Police, Michigan State Housing Development Authority, and Departments of Environmental Quality, Health and Human Services, Agriculture and Rural Development, Licensing and Regulatory Affairs, Technology, Management and Budget, and Military and Veterans Affairs. The Genesee County Sheriff's Office and American Red Cross were also present.

Tasks accomplished:
- Media hotline staff answered more than 10 emails and phone calls ranging from identification requirements at water resource sites to bathing in Flint water.
- Key agency PIOs fielded multiple news inquiries throughout the day, including conducting or scheduling interviews with the Detroit News, Thinkprogress.org, CNN, ABC 12, Marketplace and Michigan Radio.
- Assisted the Governor's Office with media check-in for an 11 a.m. press conference at the University of Michigan-Flint's Northbank Center to provide an update about current actions and next steps to address about Flint water. More than 40 members of the media attended the press conference from local, state and national outlets.
- Licensing and Regulatory Affairs and Environmental Quality PIOs attended the first meeting of the Flint Water Interagency Coordinating Committee at the University of Michigan-Flint's Northbank Center.
- Created a media monitoring report and looked for information requiring correction.
- Updated internal talking points about the ongoing Flint water emergency.
- Continued routing public information materials for approval, including communications from MDE, MDHHS and MDARD.
- Issued a news release at 1:15 p.m. to inform the public and news media that bathing in Flint water is safe for children and adults.
- JIC is planning to issue the nightly activity news release around 7 p.m.
- Working on revising the water donation guidelines flyer due to overwhelming demand of water donations.
- Emailed all state agency PIOs to request assistance with staffing the Flint JIC for the next two weeks.
- Coordinated with Genesee County Emergency Operations Center and State Emergency Operations Center regarding concerns from undocumented workers and English as second language speakers, including fielding a phone call from the Mexican Consulate in Detroit. Efforts are underway to reach out to these communities and to translate more materials for publication.

Agriculture and Rural Development (MDARD)

Wednesday, Jan 27 - Resolved issue regarding Flint community schools MDEQ, MLARA, and MDARD. Identified a need for consistent response to sampling results by MDARD, MDEQ, MDHHS (Health) Byron Beerbower or designee will work with agencies to develop plan. Forwarded SBA low cost loan information to MDARD Exec team. Food establishment assessment totals for today: 20 assessments and 0 water samples collected. Assessment totals completed to date: 185 assessments, 26 water samples collected.

American Red Cross (ARC)

The American Red Cross deployed and supported 10 Water Response Teams on Wednesday.
The Volunteer Reception Center (VRC) was in full operation today. The VRC is scheduled to be open from 9am to 7pm each day through Friday. The weekend schedule has not yet been set.
We continued assembling water test kits today.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC entities.

* Advised agencies that 2-1-1 is not accessible to individuals using a pre-paid/minute mobile phone - have requested alternative messaging for the alternative line available 1-844-875-9211

* Reviewed and discussed the "Bathing in Water is Safe" Press Release with MSP-PIO and DHHS-Health regarding language and impact with possible solutions

* Reviewed snopes.com coverage of Flint/CPS/water bills

* Responded to Genesee County Hispanic Latino Collaborative issues and concerns; sent reply to Ops regarding outreach and community fear; ongoing consultation with PIO regarding messaging/web design/ engagement with non-English speaking communities

* Met with Branch and MSP-PIO regarding community engagement where language or trust are key inhibitors to access

* Provided list of area non-profits engaged in stabilization and recovery to FEMA-DHS representative

Community Health (MDCH)

The CHECC remains activated at Level 2, and a phone bank is staffed at the CHECC from 0800 - 1700 daily to support the Genesee County Health Department by answering health-related questions that 2-1-1 cannot answer. The CHECC experienced a low level of calls today.

MDHHS CHECC staff met with the HHS State Coordinator Officer (SCO) regarding what HHS resources will be sent to Michigan, to include a nine person team. The team will consist of the following individuals: Mental Health staff, Sanitarian, Health Educator, Nurse, Nurse Manager, Behavioral Health staff, Risk Communication Developer, and Data Support. The team will be led by a Mental Health professional.

A behavioral health community partners meeting was held at Genesee Health System (GHS) to provide mental and behavioral health agencies and stakeholders the opportunity to identify resources that can leverage behavioral health services, and determine strategies to develop a short, intermediate, and long-term recovery plans. There were sixteen participants in attendance from a variety of disciplines, ranging from faith-based organizations to community health.

Barbara Reynolds, the CDC Senior Advisor for Crisis and Risk Communication on-site in the CHECC held a phone conference call with Dr. Wells (CME) today. Ms. Reynolds will be in Flint on 1/28/2016 to discuss the current situation and help develop appropriate risk communication strategies.

MDHHS Bureau of Epidemiology (BOE) met with CDC subject matter experts to delineate technical assistance needs, including statistician, lead epidemiologist, and a GIS specialist. BOE submitted a draft Flint Blood Test Report reflective through Jan. 22, 2016 to HHS Communications staff. They also submitted the first Daily Blood Count Report to HHS management, along with a drafted response to the Governor's Task Force letter. BOE also held a meeting/conference call with EPA, CDC, GCHD to discuss response to high lead water test results at individual homes or other locations.

MDEQ has asked MDHHS Bureau of Laboratories (BOL) to help with water testing to increase surge capacity. Testing protocols, training, competencies and proficiency testing issues are being addressed. The Kent County Local Health Department and Saginaw County Local Health Department laboratories have offered to help with water testing as well. DEQ has been notified of this offer.

The CHECC is developing a process for the mobilization of health volunteers to integrate with the current local volunteer operations, in order to leverage what is already in place. GCHD expressed concern as to having enough staff to support operations locally.

The CHECC continues to work on outreach materials and messaging targeted at pregnant and nursing mothers.

MDHHS EMC has been working DTMB and the JIC to translate materials into Spanish, that can be provided to the GCHD.

Corrections (MDOC)

(5) Electric Pallet Jacks were ordered and received in the warehouse. (3) Hand Pallet Jacks were distributed to PODS 1, 5,and 6. All PODS have operational pallet jacks. Warehouse operations went well today.

23 Penske Trucks remain as of 1500. (3) are in use by Team Rubicon

588 Water Samples were collected and delivered to the DEQ Lab in Lansing.

MDOC had the following resources operational today.

(12) - MDOC employees

(6) - MDOC SAI prisoners w/Corporal

(1) - Passenger van w/driver

(1)- Regular Cab Pickup w/driver

(1) – F-250 Pickup

(5) – Box Trucks w/driver

(1) - 53' Refrigerated Semi-Trailer

(3) - Electric Pallet Jacks

(7) – Hand Pallet Jacks

(1) – Warehouse Manager

(1) – Warehouse Security Person w/vehicle

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:

Tracked test bottle orders and facilitated transport to/from warehouse and American Red Cross Headquarters.

Supported DEQ Emergency Coordination Center establishment and operations.

Human Services (MDHS)

Two Genesee Co MDHHS offices continue to be points of distribution for filtration devices.

Health and Human Services Branch met with LARA & MDEQ, conferenced in Steve Yager MDHHS Children Services Administration (CSA) on water testing of Child Care Institutions(CCI), and licensed foster care homes. CSA will provide list of CCI to LARA and will reference Flint Water website to cross reference foster homes with the intention of identifying if they have received the water and filters they need.

Enter new resource request for a donations management email address. Flintdonations@michigan.gov. This email will need to be associated with one of the iPhones that was previously given to the donations management staff.

Provided Donations Management with a template for additional staff resource request. This information will be useful in obtaining the help they are requesting.

Had meeting with Donations Management and several branches of State and FEMA regarding donation and volunteer management. Going to schedule regular meeting on Wednesday with the group for weekly face to face updates.

CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

-Updated the LARA Executive Team

-Finalizing Health Care Facility survey information and comparison.

-Continue working on translation of documents to various languages. Providing resources.

- Finalizing numbers for faucet project to include facilities regulated by LARA, DHHS and MDE.

Military and Veterans Affairs (DMVA)

Commanders Situation Report (SITREP)

1. DTG: 2712002016

2. UNIT: Points of Distribution (PODs), TF FLINT (1-125 IN)

3. POC: 1LT Roland, John G. Cell: ' Email: john.g.roland1.mil@mail.mil.com

4. PRESENT LOCATION: Genesee County Local EOC, 1101 Beach St., Flint, MI, 48502

5. SITUATION OVERVIEW: 1-125 IN has Soldiers deployed to the Flint Water Crisis in support of Distribution Operations at the Points of Distributions (PODs).Daily operations consist of receiving, tracking, and issuing out water, filters, replacement filters, and water test kits.

6. OWN SITUATION DISPOSITION /STATUS: Currently 1-125 IN has Soldiers on ground supporting the mission.

7. OPERATIONS: Operations for the next 24 hours are to sustain water/filter distributions throughout the 5 designated fire stations and track all distribution incoming and outgoing through the PODs.

a. LT Benke is meeting with local city engineering today in response to traffic signage at the PODs.

b. Yesterday evening Flint City Electricians assessed lighting around the outside areas of the PODs IOT fix lighting issues.

c. There will be a press conference at station #1 on Thursday 28JAN16 including the Governor and Mayor of Flint. All major agencies are sending a representative.

8. PERSONNEL: Soldiers are currently assigned to the POD operations. Soldiers are assigned in five teams at Fire Stations 1, 3, 5, 6 and 8.

9. INTELLIGENCE / FORCE PROTECTION: No force threats have been identified.

10. LOGISTICS: PODs are short on pallet jacks. Pallet jackets should be arriving from the warehouse to the PODs today.

a. The distribution drives will also transport the broken pallet jacks from the PODs back to the warehouse.

b. (3) dollies/handcarts were delivered to station 3 and (2) dollies/handcarts were delivered to station 5, thus resolving the dolly/handcart issue.

11. COMMUNICATIONS: No communications issues at this time.

P: 800 MHz radios issued to PODs and WRTs.
A: RRF cell phones alternate for WRTs.

product/ideas.
Thirteen minivans that were provided will be transported back to the State Secondary Complex on Friday as they are no longer needed.
Provided FEMA personnel with safety information and floor evacuation maps for the new SEOC facility.

Transportation (MDOT)

MDOT is providing traffic measures at Fire Station #6 on Pierson Rd. and Fire Station #3 on Martin Luther King Blvd:
-4 portable changeable message boards (2 each site).
-100 grabber traffic cones (narrow reflective cones) (50 each site)

MDOT continues to maintain situational awareness and respond to issues regarding equipment and road conditions.

Incident Related Images

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Higgins, Lori (MSP)

From:	Kelenske, Chris (MSP)
Sent:	Thursday, January 28, 2016 8:30 PM
To:	Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Snyder, Rick (GOV); Calley, Brian (GOV); Creagh, Keith (DEQ); Lyon, Nick (DHHS)
Cc:	Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)
Subject:	SEOC Update 1/28/16 - Flint Water - Limited Distribution
Attachments:	20160128_1700_Parcels_Contacted.pdf; 20160128_1700_Parcels_Filter_Status.pdf; SitRep23 Flint Water.pdf

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/28/16 – 24th Day (23rd Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- *Sit Rep # 23*
- Maps:
  - Parcel Contact Status, includes data as of 5 pm today. (Provide earlier by GIS)
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today. (Provide earlier by GIS)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- We continue to send ARC teams to targeted areas potentially missed.
- Collins Road SEOC will be shutdown. New SEOC at 7150 Harris Drive in Windsor Township (former GOB) will be activated for SEOC staff only. All EMHSD admin personnel will start at the new facility on Monday.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- MSP HQ staff completed data entry on all ARC paper copies.
- Recovery Staff attended local Community Partners Meeting.

- Recovery Branch worked with GIS to develop an area map and spreadsheet with addresses based on data specified as "follow up required "for Red Cross teams.
- SEOC Logistics researched possible warehouse options with the local EOC, FEMA and General Motors.
- We have a corporate owned (originally thought to be a franchise owned) Kroger that is no longer in business near Fire Station 6. Looking to get a lower cost for potentially use.
- Received an inquiry regarding potential scams being perpetrated on residents of Flint. This information was referred to the Attorney General's office for a possible news release and further action.
- Issued a media advisory and coordinated a press conference about recycling with Lt. Gov. Brian Calley at noon at Fire Station #1. Used social media to promote the event as it occurred.
- SEOC Operations coordinated water pitcher request for vulnerable population.
- Information reported to the JIC:
    - <u>As of 1/28/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)</u>

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Total	Targeted Canvassing Mission 1/28/2016
30,770	37,844	6,734	1,768

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	207,055
b. Filters	97,342
c. Filter cartridges	201,848
d. Test kits	30,801

3. Resources purchased:
    a. Cases of water 1,980,504 Liters (additional 517,152 Liters donated)
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
4. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

<u>New Standing Information Requirements</u>

1. **Number of homes visited each day:**
    a. 1/28/16, as of 5 pm, 1,768 homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: 6,734
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command Cell:
        iii. Cyber Mission:
        iv. Joint Forces Headquarters:
4. **Total Number of Volunteers each day:**
    a. 125 volunteers for 1/28/2016.
5. **Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,238	25,221

Active residential water subscribers	26,673	20,788

6. **Number of Water filters distributed (each day and to date):**
    a. 1,806 were distributed on 1/28/2016, and total distributed to date is 97,342.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 8,428 were distributed on 1/28/2016, and total distributed to date is 207,055.
8. **Number of testing kits distributed (each day and to date):**
    a. 466 were distributed on 1/28/2016, and total distributed to date is 30,801.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351
    *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. **Number of homes with safe drinking water:**
    a. 3,726 water samples out of 3,972 sampled through January 28, 2016 are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

- Planning for transition of operational control to local level.
- Discussed transition and demobilization of EOC support team with SEOC staff, Genesee County Sheriff's Office and Genesee County Emergency Management & Homeland Security.
- Identifying and securing additional warehouse space.
- Implementing recycling program. Promoted program at a press conference with Lt. Gov. Calley.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC and other VOADs.
- Continuously addressing public concerns over perceived fraud through door-to-door teams.

Chris

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Update 1/27/16 – 23rd Day (22nd Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Sit Rep 22
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today. (Provided earlier by GIS)

- The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
- Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today. (Provided earlier by GIS)
  - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
  - ARC teams are targeting the homes we show that were not visited.
- Information provided to the Governor's Office (Paul Smith) for an extension to the Governor's Declaration of an Emergency. This has to be approved by both houses of the legislature. The extension will put us on the same timeline as FEMA's declaration.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Recovery Branch compiled a list of targets for apartment complexes. Once plan is in place, a team will go to each complex and verify all tenants have been given or have a water filter. Once outreach has taken place for each complex, GIS will manually mark entire parcel as complete.
- SEOC Logistics worked with the Michigan Community Service Commission on donations management and volunteers
- GIS coordinated with DNR and DEQ to establish timelines for lead mapping and strategize updates of lead statuses based on plumber activities.
- GIS coordinated with DTMB/CSS to meet with local GIS staff to review city GIS infrastructure and provide recommendations on future asset management.
- Planning and Financial provide information for Senate Appropriations Committee meeting this afternoon.
- Financial Reviewed donations as match guidelines for required 25% federal match.
- *Information reported to the JIC:*
  - As of 1/27/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. *Homes visited by the FWRTs to date.*

Phase I	Phase II	Targeted Canvassing Total	Targeted Canvassing Mission 1/27/2016
30,770	37,844	4,966	1,020

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	196,456
b. Filters	95,417
c. Filter cartridges	200,654
d. Test kits	30,255

3. Resources purchased*:
   a. Cases of water 165,042 (additional 32,234 donated)
   b. Filters 154,052
   c. Filter Cartridges 299,508
   d. Test kits 62,701
4. Teams going out tomorrow:
   a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/27/16, as of 5 pm, 1,020 homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: 4,966
3. **Total number of National Guard on the ground:**
    a.
        i. *Number in PODs:*
        ii. Command Cell:
        iii. Cyber Mission:
        iv. Joint Forces Headquarters:
4. **Total Number of Volunteers each day:**
    a. 109 volunteers for 1/27/2016.
5. ***Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,238	22,939
Active residential water subscribers	26,673	19,677

6. **Number of Water filters distributed (each day and to date):**
    a. *971 were distributed on 1/27/2016, and total distributed to date is 95,417.*
7. **Cases of Bottle water distributed (each day and to date):**
    a. 7,592 were distributed on 1/27/2016, and total distributed to date is 196,456.
8. **Number of testing kits distributed (each day and to date):**
    a. 341 were distributed on 1/27/2016, and total distributed to date is 30,255.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People Tested for Lead 10/1/2015 to 1/22/2016: *3,351
    *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. ***Number of homes with safe drinking water:***
    a. 2,991 homes, per data from September 3, 2015 to January 27, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.
    *This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

GIS Information

AS OF **1/27/2016** AT 5 p.m. USING DATA FROM FLINT WATER RESPONSE TEAMS, POD DISTRIBUTIONS, AND GENESEE COUNTY HEALTH DISTRIBUTION DATA.

NOTE: PLEASE REMEMBER THAT PAPER DATA AND DATA ENTRY FROM PREVIOUS DAYS CONTINUES TO COME IN AND WILL BE INCLUDED IN THE TOTALS AS IT IS RECEIVED.

*We are tracking **38,238** residential parcels that the City of Flint has identified as non-vacant (including Franchise). Of those:*

- **34,849 (91%)** of the parcels have been engaged (e.g. face to face, left an information card, etc.) as part of response efforts
- **22,939 (60%)** of the parcels have been confirmed to have some form of filter
- **10,723 (28%)** of the parcels have volunteered for water testing sites
- **4,918 (13%)** of the parcels have not had personal contact (not home or did not visit a POD)

We are also tracking that there are 29,994 active water subscribers (metered service lines) in the city. When consolidated down and filtering out only residential there are **26,673** residential parcels that have the ability to use the Flint Water System. Of these

- **25,457 (95%)** of the parcels have been engaged as part of response efforts
- **19,677 (74%)** of the parcels have been confirmed have some form of filter
- **9,561 (36%)** of the parcels have volunteered for water testing
- **3,718 (14%)** of the parcels have not had personal contact (not home or did not visit a POD)

Local EOC

- Planning for transition of operational control to local level.
- Identifying and securing additional warehouse space for donations management.
- *Coordinating rapid response deliveries to identified locations.*
- Coordinating demobilization of vehicles and technology.
- Working to implement recycling program. Press conference scheduled for 01/28/2016.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

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Update 1/26/16 – 22th Day (21th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas.

Attached Documents:

- Sit Rep # 21
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- *We will have 10 ARC, type 5 teams (2-4 personnel).*
- Press conference to be held in Flint with the Governor, Mayor and some state agency personnel.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- We have taken a significant number of paper records from the ARC WRTs so we can get the data entered into our system. MSP HQ staff has been pulled to the SEOC for data entry. These are a portion of the records the ARC had as they were not using the door to door App as directed. *This data will further clarify areas covered/not covered by* any teams.
- The WRTs are going to "targeted" locations where we are showing residences not contacted.
- We are working on identifying any multi-unit housing to ensure all have filters (e.g. apartment buildings). Some have been taken care of but we are ensuring these locations are not missed.
- Information reported to the JIC:
    - As of 1/26/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvass MissionTotal	Targeted Canvassing Mission 1/26/2016
30,770	37,844	**3,946**	1,350.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	186,309
b. Filters	94,301
c. Filter cartridges	199,489
d. Test kits	29,841

3. *Total number of customers on the Flint water system*
    a. 29,994 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
    a. Cases of water 146,142 (additional 26,834 donated to the state warehouse and does not include other locations like GCCARD/Food Banks, Churches, etc.)
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/26/16, as of 5 pm, **1,350** homes were visited today.
2. **Total number of homes visited:**

a. Targeted Canvassing Mission: **3,946**

3. **Total number of National Guard on the ground:**
   a.
      i. Number in PODs:
      ii. Command Cell:
      iii. Cyber Mission:
4. **Total Number of Volunteers each day:**
   a. 98 volunteers for 1/26/2016.
5. ***Number of homes with filters:**
   a. 18,487 homes had filters, per entered GIS data as of 1/25/2016.
6. **Number of Water filters distributed (each day and to date):**
   a. 1,091 were distributed on 1/26/2016, and total distributed to date is 94,301.
7. **Cases of Bottle water distributed (each day and to date):**
   a. 7,862 were distributed on 1/26/2016, and total distributed to date is 186,309.
8. **Number of testing kits distributed (each day and to date):**
   a. 403 were distributed on 1/26/2016, and total distributed to date is 29,841.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
   a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642**;
      *this data is updated bi-monthly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
       i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
       ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
       iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
       *this data is updated bi-monthly
11. **Number of homes with safe drinking water:**
    a. **1,099** homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

    *This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

- Delivered iPads to warehouse and provided on-site training to drivers, followed with written instructions.
- Facilitated recycling planning meeting and planned for implementation of the program.
- Attended local "Pastors and Police" meeting to coordinate water distribution plan with faith-based organizations
- Planning for a transition of operational control to local level.
- Coordinated the incoming donations of water and filters through the Michigan Community Service Commission.
- Coordinated volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

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Update 1/25/16 – 21th Day (20th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.

- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas

Attached Documents:

- Sit Rep # 20
- Michigan Department of Health and Human Services Situation Report for January 20, 2016
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first map indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).

Items to Note

- 11 ARC Flint Water Response Teams to the field today.
- 8 EPA PIOs will be in the JIC tomorrow. The JIC is unaware of the role or expectations at this time.
- Reference the rash I discussed on the call tonight:
    - There was one specific complaint about rashes that Community Health personnel plan on working with ATSTD/CDC. DEQ is requesting that EPA collect all appropriate water samples to enable a full analysis of the water at the address (an apartment) for bacterial contamination, and a full metals and organics panel. Lead is not associated with skin rashes, but other contaminants are and DEQ wants to find out what, if any, other contaminants are in the water.
    - It was also discussed that it would be ideal if Community Health can forward to the EPA the other addresses and contact information for which they've received complaints of rashes, so that EPA could also test there for appropriate parameters to see if we can identify a cause.
    - SEOC DEQ desk will continue to monitor and work this issue.
- SEOC OPS, Health, MDEQ SEOC, Logistics participated in conference calls with the Governor's office and private partners on potential alternative filtration systems for schools, daycares, etc.
- Created a form for drivers to track rapid response deliveries.
- Media avail at fire station 8 this morning received positive news coverage.
- The NAACP is holding a public meeting at U of M Flint on Tuesday.
- Rachel Maddow will hold a town hall meeting on Wednesday. MSP Third District Commander advised.
- Developed new Incident Action Plan (#7 published in MICIMS) and ICS 204s for the new operational period (1/26/2015-2/2/2016).
- MDOC assumed all warehousing responsibilities today.
- Reviewed state agency financial information received for update to current spend plan.
- Information reported to the JIC:
    - As of 1/25/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Mission 1/25/2016

30,770	37,844	2,596 – ARC*

*American Red Cross data has not been entered in the app, but is currently being caught up. Starting January 26, 2016, the American Red Cross has been instructed that iPads must be used in the field for data entry in order to clearly capture the homes that have filters.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	176,118
b. Filters	93,048
c. Filter cartridges	198,552
d. Test kits	29,320

3. Total number of customers on the Flint water system
    a. 29,994 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
    a. Cases of water 141,982 (additional 24,634 donated)
    b. Filters 124,052
    c. Filter Cartridges 285,586
    d. Test kits 62,701

    * Numbers have not been updated due to the following circumstances:
        - Outstanding donations and inventory at the warehouse which has not been reported to the SEOC. Staff in the SEOC is working with donations management and warehouse to reconcile numbers.
        - Outstanding data from GCCARD on deliveries from 1/8-1/12. Staff in the SEOC and local EOC is working with GCCARD to obtain data.
        - At the beginning of tracking the planning factor used was 72 cases of water per pallet and 22 pallets per semi-truck. Per bill of lading received from the warehouse today, it has been identified that this assumption is not correct. Staff is working to reconcile numbers.

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. ***Number of homes visited each day:***
    a. 1/25/16, as of 5 pm, 2,596 homes were visited today.
2. **Total number of homes visited:**
    a. Phase II: 37,844
    b. Targeted Canvassing Mission: 2,596
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**
    a. 135 volunteers for 1/25/2016.
5. ***Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 1,151 were distributed on 1/25/2016, and total distributed to date is 93,048.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 9,514 were distributed on 1/25/2016, and total distributed to date is 176,118.

8. **Number of testing kits distributed (each day and to date):**
    a. 478 were distributed on 1/25/2016, and total distributed to date is 29,320.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. *Per CHECC: People tested for lead 10/1/2015 to 1/8/2016:* **2,642;**
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
11. **Number of homes with safe drinking water:**
    a. 1099 homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

GIS Information

I have had numerous discussions with GIS staff as to getting our data validated and as close to final as possible. We are tracking 38,144 residential properties within the city (noting large apartment complexes are classified as commercial so they are not a part of this). Of these:

- 34,318 have been engaged by Flint Water Response Teams and PODs (90%) - The remaining 10% is going to be a focus for the teams in the near future
- 23,281 have led to a direct citizen engagement (61%)
- 5,173 were not home during any attempt to visit and have not been recorded as having visited a POD (14%)
- *5,864 of the properties the teams visited were vacant or destroyed (15%)*

Additionally, we have been tracking the status of "Active Water Subscribers" from the Flint Department of Public Works. These are residential properties which have meters put on the homes by the city. Of the total 29,994 subscribers citywide, 26,673 have been confirmed as being on residential parcels. Of the 26,673:

- 18,487 Have been confirmed as having received a filter by the Flint Water Response Teams or PODs (69%)
- 3,928 Were not home when visited (15%)
- *The remaining 16% we have no data to confirm or deny whether they have a filter*

Of special significance from the water subscriber data is that the old lead maps that we are digitizing from the Flint Water Department contain 993 suspected homes with lead lines in them. Of these only 659 have received a filter.

It is significant to note that we are continuing to receive paper forms from the field and processing them. The ARC and volunteers were specifically told to use the App and we provided Ipads but tonight I was told this was not being done by everyone which has caused us some lags in data. This is likely improve the overall numbers as we process historic records (ARC had ~7,000 of these records).

It cannot be reiterated enough that data is still coming in and we are still actively cleansing it.

Local EOC

Operations:

- Coordinated with Foodbank of Eastern Michigan for issuing of Resource Request.
- Coordinating and following up on vehicle demobilization.
- *Facilitated rapid response deliveries to special locations.*
- Finalizing components of recycling program.
- Received authorization to operate bottle collections for recycling at Fire Station 1 and 5 PODs.
- Initiated activities to plan for inclusion of institution sampling (schools, daycares, nursing homes, etc.) in Genesee County EOC IAP.
- Coordinating volunteer management with Michigan Community Service Commission.

Chris

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Update 1/24/16 – 20th Day (19th Full Day) After Governor's Declaration of an Emergency

I have asked state agency SEMCs to archive their SitRep items so you only have current operational period information in the SitRep Agency Summaries. Director Creagh added to daily report.

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs).
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Situation Report # 19
- Maps:
  - Parcel Contact Status, includes data as of 5 pm today.
    - The first one indicates based upon the outreach that has been conducted, which parcels have we had contact with a resident and which parcels have not had any contact with a resident.
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
    - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- WRTs with NG personnel are transitioning out. No field teams. NG will continue to staff the PODs.
- Tony Katarsky will be acting SEOC State Director. Capt. Kelenske not in the SEOC - available by phone (in the Holland MI area).

Items to Note

- Deployed 15 National Guard/state/local teams and 19 ARC Flint Water Response Teams to the field today.
- JIC was operational with limited staff out of the SEOC today. Co-located JIC in Flint will be back and operational tomorrow.
- SEOC Logistics worked with MDOC on warehouse management transition.
- Recovery Branch began demobilization of trucks and vans.
- Demobilization of National Guard Water Response Teams will be effective as of Monday, January 25.
- School for the Deaf
  - As of 1/23/16: LARA and DEQ teams on site; water testing complete in school building and LRC dorm. Stevens Hall will be tested when landlord finishes upgrades.

- As of 1/23/16: all water faucets replaced in Stevens Hall. 3 new drinking fountains on order; expected mid-week. Once fountains are installed, Stevens Hall will be scheduled for water testing.

- SEOC Finance Donations Management team to obtain list of donors and donations for FEMA request.
- SEOC Planning Section worked on burn rate data from FWRT and PODS for FEMA request.
- GIS continued to clean up V2 Dataset (patched approximately 1000 records).
- GIS coordinated with the DEQ to transfer lead service line mapping to their GIS department tomorrow. Wall maps showing known lead service lines based off of geographical locations and zip codes provided for Chief Hagler, SEOC DEQ staff and Director Creagh.
- Out of 37,003 homes visited, 5,660 were not home/did not answer. The number of homes visited is lower than the Phase II number as some duplicate contacts at addresses were eliminated.
- Information reported to the JIC:
  - As of 1/24/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	1/24/2016
30,770	37,844	7,012 National Guard/State/Local 4,132 ARC

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	164,991
b. Filters	91,763
c. Filter cartridges	197,775
d. Test kits	28,763

3. Total number of customers on the Flint water system
   a. 29,944 current water system subscribers
   b. ~45,000 hookups (This is our high end target #)
   c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 141,982 (additional 24,634 donated)
   b. Filters 124,052
   c. Filter Cartridges 285,586
   d. Test kits 62,701

5. Teams going out tomorrow:
   a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Additional Standing Information Requirements

1. **Number of homes visited each day:**
   a. 1/24/16, as of 5 pm, 11,144 homes were visited today
2. **Total number of homes visited:**
   a. Phase II: 37,844
3. **Total number of National Guard on the ground:**
   a.
      i. Number in PODs:
      ii. Number on Cyber Mission:
      iii. Number with FWRTs:
      iv. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**

a. 315 volunteers for 1/24/2016.

5. ***Number of homes with filters:**
   a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
   a. 4,920 were distributed on 1/24/2016, and total distributed to date is 91,763.
7. **Cases of Bottle water distributed (each day and to date):**
   a. 16,125 were distributed on 1/24/2016, and total distributed to date is 164,991.
8. **Number of testing kits distributed (each day and to date):**
   a. 3,177 were distributed on 1/24/2016, and total distributed to date is 28,763.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
   a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
11. **Number of homes with safe drinking water:**
    a. 577 homes, per data from September 3, 2015 to January 20, 2016. Note, per MDEQ, this data is from **uncontrolled samples** provided by residents.

*This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

Operations:

- Distribution of supplies at five water resource sites in the City of Flint.
- Door-to-door distribution of supplies with 34 water response teams (19 ARC volunteer teams, 15 MSP/GCSO/NG teams).
- Facilitating rapid response deliveries to homebound residents and special locations by three teams staffed by Team Rubicon, and Lt. de Castro (MSP/EMHSD).
- Improved logistics for rapid response teams by providing transportation and iPads starting on 01/25/2016.
- Coordinated with ARC for distribution of additional iPads for data entry.
- Identified alternative warehouse locations for lose donations.
- Directed volunteer requests to appropriate state agencies.
- Started coordination for resource demobilization.
- Coordinated with 22 churches so they had water, filters, etc. Delivered Saturday. Some advised they were set with supplies. Lt. Roach (MSP District Coordinator will maintain contact with Pastors).

Chris

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Update 1/23/16 – 19^{h} Day (18th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs

Attached Documents:

- SitRep 18

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have National Guard/state/local agency, type 3 teams
- We will have 40 ARC, type 5 teams (2-4 personnel).

Items to Note

- Deployed 15 state/local teams and 40 ARC Flint Water Response Teams to the field today.
- Created a media monitoring report and looked for misinformation. A call was made to WILX to amend their article that implied that the State was not distributing water to undocumented immigrants. The news release was also sent to WILX about how the State is not requiring identification to receive water resources.
- SEOC Logistics worked on future resource planning and a local business commodity supply plan.
- Drafted talking points for Monday's press conference with Governor Snyder, Colonel Etue, and the Mayor.
- Put in place a place to control POD distribution as much as possible. SKU numbers are being lined out on commodities to prevent or minimize returns for cash.
- Information reported to the JIC:

    - As of 1/23/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

To Date	1/23/2016
37,943	6,323 National Guard
	7,361 ARC

2. Distributed: Includes outstanding data from yesterday- PODs after 5 pm, ARC worksheets and local EOC hotshots

Commodity	Total to Date
a. Number of cases of water	148,866
b. Filters	86,843
c. Filter cartridges	194,622
d. Test kits	25,586

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 133,662 (additional 24,634 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard State ype 3 teams---Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot/Rapid Response Team process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas. The city identified some but they are just as bad as the current ones.
- Working on finalizing a recycling plan for the incident.
- Lt. Roach sent up the church information to Tom Webber. She also received one church site that will act as a potential church mega site.
- SEOC GIS to provide a layer for the vulnerable populations so that Team Rubicon can get to them and track in the iPad.

New Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/23/16, As of 5 pm, 13,684 homes were visited today
2. **Total number of homes visited:**
    a. 37,943, does include duplicate counts from the second canvasing
3. **Total number of National Guard on the ground:**
    a.
4. **Total Number of Volunteers each day:**
    a. 310 volunteers for 1/23/2016
5. **Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016,
6. **Number of Water filters distributed (each day and to date):**
    a. 4,156 were distributed on 1/23/2016, and total distributed to date is 86,843
7. **Cases of Bottle water distributed (each day and to date):**
    a. 27,462 were distributed on 1/23/2016, and total distributed to date is 148,866
8. **Number of testing kits distributed (each day and to date):**
    a. 2,171 were distributed on 1/23/2016, and total distributed to date is 25,586
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time until we get the data
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time until we get the data
11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. Unknown at this time

Chris

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Update 1/22/16 – 18h Day (17th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Plan for next phase with MSP and NG personnel
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration

- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep # 17
- Briefing provided to the HHS Undersecretary by FEMA (due to time only finished 75%)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- National Guard/State/Local type 3 teams
- 40 ARC (2-4 folks) type 5 teams
- Deliveries going out to all churches on our list we have been working with (21) for Sunday services.
- I will not be in the SEOC Saturday. Tony Katarsky will be the acting SEOC state director. I will be available by phone (wrestling meet).
- Sunday, Lt. Mike Johnson will be acting SEOC state director but I may be in for some of the day.
- Monday I am out on a college visit with my son...I will be available by phone and Tony will again be acting.

Items to Note

- Deployed 15 state/local teams and 15 ARC Flint Water Response Teams to the field today.
- SEOC Operations worked on getting local contact into the JIC along with developing messaging for resources and donations.
- SEOC Planning worked on the further development of long term strategy.
- Recovery branch continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday.
- SEOC logistics worked with FEMA/DHHS on warehouse tracking status/strategy, coordinated resources, and donations management.
- Have had a number of media request concerning resources for immigrants and population less proficient in English. Clarified with a news release that we are not requiring ID but we are asking for addresses to assist with long term recovery. Nobody will be denied resources if they fail to provide us an address.
- Have received numerous inquiries from celebrities on how they can assist and donate.
- We are validating a lot of data but what we have currently is 38,144 parcels in Flint that are not considered "vacant". This does not mean all parcels have a tenant, there are a lot of houses that are empty.
    - 26,673 water subscribers in Flint (not including franchise).
        - Water Subscribers with a Filter = 15,399 (57.7%)
        - Water Subscribers without a Filter = 11,274 (42.2%)
            - With our second pass we are getting more information as to why people do not have a filter. Looking into whether these include homes connected but nobody currently living there. We are refining the data.
    - 11,471 Non-Water Subscribers in Flint.
        - Non Water Subscribers with a Filter = 2,196 (19%)
        - Non Water Subscribers without a Filter = 9,275 (81%)
    - The SEOC Ops Chief has been directed to firm up all numbers with GIS. We have a GIS specialist from FEMA Region V also deployed to the SEOC to assist. ArcGIS has advised us that the amount of data we have collected is more than some major disasters in other states. We are looking into getting their personnel more engaged to ensure we are using all the tools available for analysis.
- SEOC Finance Chief is working on costs to date and all SEMCs were advised to tighten up their records and ensure we have accountability of all costs.
- Information reported to the JIC:

- As of 1/22/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

To Date	1/22/2016
37,697	5,920

2. Distributed: Includes outstanding data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots.)

Commodity	Total to Date
a. Number of cases of water	121,404
b. Filters	82,687
c. Filter cartridges	191,704
d. Test kits	23,415

3. Resources purchased:
   a. Cases of water 130,782 (additional 21,682 donated)
   b. Filters 115,700
   c. Filter Cartridges 266,200
   d. Test kits 61,161

4. Teams going out tomorrow:
   a. National Guard State s) type 3 teams -- Goal tomorrow 300 homes per team
   b. 40 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas.
  - Working on finding a new POD for 3 and 6. We are aware that the mayor would need to approve this.
- Coordinated water donations and delivery areas.
- Last minute large donations of water and volunteers expected during the weekend.
- Working on finalizing a recycling plan for the incident.
- The Jail water has been tested and is fine. The prisoners are not being poisoned and the local health department is working on clearing this issue up.
- Working on a plan with the churches to have 4 mega sites for churches (N,E,S,W) and have smaller churches work through these sites to get supplies. Churches are interested in the recycling program, putting information in their bulletins and also used a collection sites.
- Team Rubicon is coming tomorrow to assist with home deliveries.
- Continuing with recycling plan. Need to identify sites with city. Local EOC has visited areas with the local contractor.

Chris

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Update 1/21/16 – 17h Day (16th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) - "Phase II"
- Plan for next phase with MSP and NG personnel for Governor approval – "Phase III"
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep 16
- Draft Water Operations Plan for moving to next phases (Discussion document)
- Resident Water Sample Results Map (Not for public distribution)
- January 13-19 comparison map

Status on Governor's request letter to the President

- Emergency declaration received. Pending decision of Major Disaster appeal and any denials under the Emergency Declaration (e.g. Category B). We have not been denied category B yet ... POTUS/FEMA has not given it to us though. I believe we may get a denial of category B in conjunction with the Major Disaster appeal decision. We will have 30 days to appeal.
    - Category B is critical in that it is for Emergency Protective Measures which includes (but is not limited to EOC related costs, supplies and commodities, safety inspections, and in limited circumstances "water testing and treatment supplies in the immediate aftermath of the incident to counter a specific threat." We purposely put our start date of this incident to be April 25, 2014 in hopes we get category B and could get 75% federal funds for many other costs all the way back to 2014 – long shot but would be huge if we land this.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard/state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 15 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- We are using the terms Phase II, Phase III, etc. These are for internal discussion for planning and not meant for public dissemination at this time unless it is determined to be beneficial.
- The draft operations plan (attached) was completed in conjunction with MSP and NG personnel to initiate discussion on our next steps as to WRTs and PODs.
- The WH issued a statement that $80 million dollars in aid to MI mostly to repair Flint water infrastructure. We do not have additional information on this. This may be existing federal funds provided to MI that is just being opened up for other use. FEMA does not have any information on this.
- We have been advised we exceeded the $5 million under the emergency declaration. We are at $7.6 million.
- FEMA has advised that any donated items can be used to offset the state cost share. We are working on the mechanism with FEMA to do this.
- Deployed 18 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- SEOC logistics worked to project future orders of water resources and commodities.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- DEQ test kits are only being provided to those who ask for them.
- I made contact with Senator Ananich aid, Julie Townsend, who was a POC for his volunteers. They are set to work next week on the 30th.

- MDOT met with city personnel to look at Station 6 POD and other PODs to see how traffic flow can be facilitated and safety increased. Additional report out due 1/22.
- A request from MSP MC3 for NG Cyber personnel (3 at $32,000 for 30 days or less) was initiated. This is to assist with the cyber attacks that have occurred/future attacks related to Flint Water. PENDING APPROVAL. NG advised this would have to be funded with existing funds at this time and to make adjustments.
- MDARD Food Program staff have completed assessments of all 21 food businesses (including restaurants) that were located in the highest risk area. In addition, they have completed assessments at 34 food businesses in the medium risk area, and have scheduled 28 appointments to collect water samples.
- Dr. Nicole Lurie, the Assistant Secretary for Preparedness and Response from the US Department of Health and Human Services (HHS), in addition to the HHS Regional Coordinator and other CDC staff, visited the CHECC and SEOC this morning and provided commentary to CHECC and SEOC staff/EMCs. She also attended a briefing from FEMA before departing to visit Flint.
- Parents of boarding students at the Michigan School for the Deaf were notified of the elevated lead results in Stevens Hall. All fixtures in the dormitory are scheduled to be replaced by January 24, 2016. Lt Gov. has scheduled visit on January 25.
- Valley Area Agency on Aging (VAAA) continues to take calls from seniors and caregivers needing access to water and filters. VAAA is providing this information to the local EOC each afternoon for follow-up.
- Information reported to the JIC:

    - As of 1/21/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase 1	Phase 2
30,770	5,409

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.

Commodity	Phase 1	Phase 2	Total to Date
a. Number of cases of water	94,688	10,403	105,091
b. Filters	77,215	2,356	79,571
c. Filter cartridges	188,389	1,039	189,428
d. Test kits	20,037	1,588	21,625

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes/multi family (The is the low end target #)

4. Resources purchased:
    a. Cases of water 124,398 (additional 20,098 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard/State/Local , type 3 teams -- Goal tomorrow 300 homes per team
    b. 15 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

• Attended ARC meeting with VOADs to discuss volunteer management and strategies.
• Attended meeting with Plumbers and Pipefitters Union to assess the need for long term cooperation for filter installation and fixture
replacement.
• Requested and received confirmation of deployment of Team Rubicon (starting on 01/23/2016).
• Facilitated Flint & Genesee Chamber of Commerce representation at the EOC.
• Addressed security issues at Fire Station 3, 6 and 8 PODs (residents concerned about criminal activity).
• Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
• Met with Genesee County Planning Commission, United Way of Genesee County and Michigan Community Service Commission to clarify
recycling plans and potential volunteer utilization.
• Coordinated and verified deliveries of supplies to apartment complexes.
• Identified potential locations for recycling stations.

Chris

Update 1/20/16 – 16th Day (15th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for second phase of door to door operations
- Submitted appeal to FEMA Region V
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration

Attached Documents:

- SitRep 16

Status on Governor's request letter to the President:

- Emergency declaration received.

Key items for tomorrow to note are:

- Five copies of the State/FEMA agreement will need to be signed by the Governor. Capt. Kelenske has them and will coordinate delivery.
- The logistics plan will be fully executed tomorrow with all teams.
    - We will have : National Guard (MSP supported), type 3 teams / with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- Dr. Luri from HHS will be at the SEOC ~10:00 p.m.
- A second phase is starting tomorrow which will include more refined questions as to type of filter systems each person has. This will assist with sustainment operations.
- DOC prison work crew personnel (6-7) will be at the warehouse to keep the area clean. A lot of trash is generated in the warehouse and was becoming an issue.

Items to Note

- Deployed) state/local (NG, MSP, Local) teams and 10 ARC Flint Water Response Teams to the field today.
- MSP and local Sheriff's Department continue to provide over watch for WRTs.

- Aqua Hydrate contacted me to donate 5000 cases a month (4 semis) for a year. I was advised by Lindon Nelson this was a Governor/Mayor/Senator Ananich and Meekhof initiative and a press release was going to go out soon (TBD). Logistics is following up with them.
- News release sent from Governor's office about the appeal to the President of the disaster declaration.
- *SEOC Logistics worked with JIC and Governor's office to establish a business resource submission tab on* www.helpforflint.com
- SEOC Operations continued to develop and finalize Phase 2 canvassing roll out.
- Meeting held with Dr. Luri from HHS.
- Capt. Kelenske and other state agency financial personnel attended the appropriations hearing.
- End of day – concerns with the mass amounts of volunteers showing up and wanting to help. This can cause logistical issues but staff was working to get additional tasks for volunteers outside of the WRTs. We will continue to work on ways to involve more volunteers.
- Additional 5 person NG team for warehouse support approved.
- Information reported to the JIC:

    - *As of 1/20/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)*

1. 29,317 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding hard copy data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots).
    a. Number of cases of water 90,337
    b. Filters 73,229
    c. Filter cartridges 185,852
    d. Test kits 19,866

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. *Cases of water 111,630 (additional 18,502 donated)*
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Addressed reports of water contamination in distributed bottled and canned water. Confirmed that water is safe to drink through testing by MDEQ. Coordinating with JIC and MDEQ for improved public information on the issue.
- *Identifying options to reroute unsolicited offers for supplies and services outside of the EOC. Coordinating to set up 800 number.*
- Attended meeting with Flint & Genesee Chamber of Commerce to discuss coordination of efforts, representation at EOC, and improved messaging.
- Attended meeting with Community Foundation of Greater Flint to discuss coordination of neighborhood groups and improved messaging.

- Coordinated with MDARD to provide additional lead testing at restaurants, and signage for safe locations.
- Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment
- Coordinated and verified deliveries of supplies to apartment complexes.
- Discussed logistics requirements of delivery requests for homebound residents with SEOC Logistics.

Chris

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Update 1/19/16 – 15th Day (14th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Prepare plans for next phase of operation – Second sweep of city

Attached Documents:

- SitRep 14

Status on Governor's request letter to the President:

- Emergency declaration received.
- Appeal letter pending.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have National Guard, type 3 teams with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 5 state/local teams and 11 ARC Flint Water Response Teams to the field today.
- Messaging being developed for concerns regarding the Total Dissolved Solids (TDS) meters and citizens' concerns with those meters indicating "lead" in bottled water. Testing of water to be done by DEQ to ensure we have solid messaging.
- DTMB is working to secure space in Flint for FEMA staff.
- Press release went out this afternoon to announce that the US Department of Health and Human Services will lead the federal response in Flint. Capt. Kelenske to meet with Dr. Nicole Lurie, HHS Assistant Secretary for Preparedness and Response (ASPR), on Thursday. The goal of the federal response will be to help state and local leaders identify the size and scope of the problem, and work with them to make and execute a plan for mitigation of the short- and long-term health effects of lead exposure.
- Additional NG personnel being requested to assist with Warehouse inventories.
- NG personnel on the ground with the WRTs tomorrow with more transitioning in.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- LG is going to be in Flint working at one of the PODs on Wednesday.
- Information reported to the JIC:

- As of 1/19/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 22,129 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.
    a. Number of cases of water 77,794
    b. Filters 69,730
    c. Filter cartridges 184,457
    d. Test kits 16,671

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. *45,000 hookups (This is our high end target #)*
    c. 39,000 includes apartment complexes (The is the low end target #)

4. *Resources purchased:*
    a. Cases of water 95,760 (additional 16,056 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Attended public health group meeting with GCHD, City of Flint Water Department and MDEQ to discuss water test information being returned to residents, to allow residents a greater understanding of results.
- Attended recycling/trash management group meeting with DEQ, Republic Services, Keep Genesee County Beautiful and Genesee County Planning Commission. Provided projections on current and anticipated bottle distributions.
- *Coordinated deliveries of supplies to faith-based organizations, apartment complexes and homebound residents*
- Coordinated with Comcast to set up locations for distribution of filters (distributed 60 filters on 01/19/2016).

Chris

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Update 1/18/16 – 14th Day (13th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- *Continue door to door/Flint Water Response Teams (FWRTs) and PODs*
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.
- Complete appeal for Presidential Major Disaster Declaration denial.

Attached Documents:

- SitRep 13
- Side by side comparison of homes with filters January 13th compared to January 18th. This should be hitting the media tonight. This took longer to create than I wanted but is the image I have wanted to show progress of getting filters in to the field.

Status on Governor's request letter to the President:

- *Appeal in process.*

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state/local agency, type 3 teams th a goal of 300 homes per team.
  - *We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.*
  - NG will be bringing in personnel to prep for surge.

Items to Note

- Beginning tomorrow the operational periods will be 7 days long.
- The CDC/ATSDR (Agency for Toxic Substances Disease Registry) has deployed a team to Michigan.
- An Arabic version of the palm card was reviewed and approved. This was developed via Arab American and Chaldean Council.
- Deployed state/local teams and 10 ARC Flint Water Response Teams to the field today.
- DTMB is working to secure space in Flint for FEMA staff.
- Cost analysis to investigate if it would be more cost effective for FEMA to purchase water vs the SOM.
- ARC news release concerning the Volunteer Reception Center (VRC) sent out today.
- Media availability conducted today at 3pm at the VRC.
- Since 1/14/16 Michigan 2-1-1 has received three direct reports of bottled water testing positive for lead. DHHS SEOC Desk and DEQ SEOC Desk was able to contact two of the callers. The Zero Water filter (pitcher) has a handheld test device so people know when to change the filter. This TDS Meter measures dissolved solids (it is not a lead test). This was explained and we are going to work on messaging to ensure this does not cause issues. Dissolved solids are in all water. The water from the callers is going to be tested and a case of water from one of the companies will also be sent to DEQ for testing. Brands are Spartan Spring Water and Canned Water for Kids. The filter company is also going to work on messaging and work with us on this matter.
- Information reported to the JIC:

  - As of 1/17/16 as of 5 pm (start date was Tuesday, 1/12/16)

1. 21,393 homes visited by the FWRTs to date.

2. Distributed:
   a. Number of cases of water 37,313
   b. Filters 53,713
   c. Filter cartridges 169,520
   d. Test kits 7,379

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 82,992 (additional 16,056 donated)

b. Filters 115,700
c. Filter cartridges 243,200
d. Test kits 61,161

5. Teams going out tomorrow:
   a. ( ) type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC
Operations:

- *Continuing to work with faith based organization to distribute resources.*
- Working with colleges to obtain volunteers for canvassing.

Chris

Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- *Continue to implement the logistics plan and adjust as needed*
- Continue door to door/Flint Water Response Teams (FWRTs), PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
  - *Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.*
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have 12 state agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
  - We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 11 state/local teams and 10 ARC Flint Water Response Teams to the field today.
  - 4,963 homes visited today.

01/16/16

01/17/16

- Information reported to the JIC:
    - As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 27,195
    b. Filters 50,432
    c. Filter cartridges 168,605
    d. Test kits 4,861

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. State type 3 teams---Goal tomorrow 300 homes per team
    b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.
- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- *Prepare for possible surge in FWRTs utilizing NG personnel*
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state agency, type 3 teams ( ), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.
- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed 11 state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- will have a total of personnel in the PODs for distribution. Mission has not changed.
  - NG soldiers have been in the PODS. more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.
- Information reported to the JIC:
  - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

    2. Distributed:
        a. Number of cases of water 20,876
        b. Filters 47,935
        c. Filter cartridges 167,401
        d. Test kits 3,322

    3. Total number of customers on the Flint water system
        a. 29,944 paying customers
        b. 45,000 hookups (This is our high end target #)
        c. 39,000 includes apartment complexes (The is the low end target #)

    4. Resources purchased:
        a. Cases of water 57,456 (additional 12,884 donated)
        b. Filters 108,520
        c. Filter cartridges 239,081
        d. Test kits 28,901

    5. Teams going out tomorrow:
        a. State s) type 3 teams---Goal tomorrow 300 homes per team
        b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

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Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed

- Continue with door to door/Flint Water Response Teams (FWRTs)
- *Prepare for possible surge in FWRTs utilizing NG personnel*
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.
- When we get the declaration(s) ... I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have : tate agency, type 3 teams (with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
  - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).
- *I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.*

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 10 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.

  - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
   a. Number of cases of water 18,576
   b. Filters 45,916
   c. Filter cartridges 165,382
   d. Test kits 3,217

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 44,688 (additional 12,884 donated)
   b. Filters 78,520
   c. Filter cartridges 163,081
   d. Test kits 18,761

5. Teams going out tomorrow:
    a. State (;) type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.
- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

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Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.
- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.
- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.
- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.
- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but it appears we have filters in over half the residences):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	**3417**	**394**	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	**3741**			
Future sample test site	114	28	34	52

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and close lease on warehouse space
- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- Continue to work on Governor's Declaration of an Emergency

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
  - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
  - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
  - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
  - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA
- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- *The door to door teams will continue* at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- MNG will have a press event at the armory with incoming soldiers and MG Vadnais.

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.
- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP get supplies, receive a mission location and deploy.
- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377
Resources			
Door Hangars	473	217	256
Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. The current plan includes:
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.

        - Local EOC support for other local requests (Faith based for distribution, etc.)
    - Three warehouse locations at this time
    - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.
    - Water (cases) - 19,152 cases delivered

- Budget projection completed and will be submitted to SBO for review.

- Notes from Water Response Team Command (MSP)
    - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
    - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
    - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)

Attached Documents:

- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:

- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
    - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
  - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
  - Ordered:
    - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
      - 1/3 is going to GCCARD and the rest is going to the new warehouse
    - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
  - Today's numbers
    - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
      - 2,000 – Brita filter faucet mounts
    - Filter Replacements
      - 2,400 – Brita filter replacements (single pack)
      - 8,000 – Brita filter replacements (two pack)
  - Ordered on 1/12/16 to arrive Wednesday
    - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
      - 10,000 – PUR Vertical faucet mount
      - 2,500 – PUR Horizontal mount
    - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
      - 10,000 – PUR replacement filters (3 pack)
      - 10,000 – PUR replacement filters (single pack)
    - PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)
      - 10,700 – PUR combo packs

- To arrive Thursday
  - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 1,300 – Zero Water pitchers
  - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 11,000 – PUR vertical faucet mount
    - 1,500 – PUR Horizontal faucet mount
    - 5,000 – Brita faucet mount
    - 10,000 – Brita adv faucet mount white
    - 12,000 – Brita adv faucet mount chrome
  - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 117,600 – PUR replacement filter

- Test Kits
  - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
  - 500 have been assembled and are ready for distribution
  - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
  - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
  - 100, 000 square feet of secure warehouse obtained.
  - Accepting commodities beginning Wednesday, January 13

- Logistics Support

- The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
  - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
  - We are working on version 2.0 so this can be used at the PODs
  - We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
  - Notes from the field commander:
    - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
  - In the end, there were 394 total home visits with the following breakdowns:
    - 217 Door Hangers
    - 152 Vacant Homes
    - 117 Water Distributions
    - 112 Filters
    - 3 Pitchers
    - 48 Water Test Kits
- 211
  - CALL VOLUME:
    - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:
- SitRep 6

Key items for tomorrow to note are:
- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
  - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.
  - The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note

- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.
- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

- Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
- Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
- Working to establish a warehouse for local resource storage.
- Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
- Discussed potential long term water sources between local EOC and SEOC.
- Established planning cycle/meeting scheduled for 1/12/16.
- Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; however, there may exist opportunities

to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

- We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
- A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***
- An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to supplement State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***
    - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
- Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is beyond the capability the state and affected local governments, and that the state requires supplementary federal emergency assistance to save and to protect property....***
- Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
    - Debris Removal = ***self-explanatory and we do not have this***
    - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
    - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

Key items for tomorrow to note are:

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.
    2. Ensure accurate tracking and accounting of all commodities.
    3. Improve and maintain public information strategy.
    4. Develop a long term public health and services plan.
    5. Ensure adequate staffing to support operational requirements.
    6. Identify possible assistance programs.
    7. Develop an approved GIS strategy.
    8. Maintain coordination between partner agencies and organizations.
    9. Enhance situational awareness and common operating picture of all activities.
    10. Develop a comprehensive Recovery Plan.

Items to Note

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.

- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.
    - The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (looking at private sector partners to assist, especially with the warehouse management side).
    - GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.
- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).
    - 12,386 filters
    - 1,985 replacement filters
    - 354 Pitchers
    - 2500 Lead Testing Kits
- Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
    - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
    - We have ordered an additional (expedited delivery with ETAs tomorrow)
        - 40,000 Brita Filters
        - 40,000 Brita Replacement Filters
        - 1000 Zero 8-Cup Pitchers
        - 1000 Zero 8-Cup Pitchers
        - 2000 PUR Replacement Filters
        - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- JIC Items
    - Requested PSA on the radio. Media has been approved and working with MAB.
    - Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
    - A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
        - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
        - JIC moving tomorrow to Flint.

<u>Local Emergency Operations Center</u>

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

<u>Fire Station Inventory Levels:</u>
Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up replacement filters from Home Depot and deliver.

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.
- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.
- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.
- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information … I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.
- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.

- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.
    - Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
    - Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
    - GIS maps will provide guidance on deployment locations for these teams and other teams in the field.
- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

MSP/EMHSD GIS Section Updates

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.
- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

Local Emergency Operations Center

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff) will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
    - Logistical activities to support church operations.
    - Logistical activities to support fire stations operations.
    - Coordinate Donations Management activities and draft donations management plan
    - Coordinate Volunteer Management activities
    - Identify local storage/staging facilities
    - Overall inventory tracking
    - Tracking of Points of Distribution (PODs)

Chris

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - *DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food* Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- *STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave* mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.
- A Volunteer Management Coordinator is in the Genesee County EOC as of today.
- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.
- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.
- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.
- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.
- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:

- Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
- Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
- Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
- Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502

- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.
- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- *FEMA Liaison Officers just arrived in Lansing to assist command and general staff.*
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.
- *We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous* media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:

Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**
- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**
        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.
    5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
    6. Develop a comprehensive GIS strategy.
    7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
    8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
    9. Provide technical assistance to the local Damage Assessment process.
    10. Establish a Joint Information Center (JIC) and develop a public information strategy.
    11. Monitor MI CIMS for resource requests and address as appropriate.
    12. Establish and disseminate cost center information for the incident.
- Additional tasks include:
    - Determine what federal agencies are already involved and their status
    - Identify potential water supplies

- Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
- Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
- Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC
- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
  - Water Pipeline Locations
  - Filter Distribution Locations
  - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
  - Affected School Locations
  - Predictive analysis of blood lead levels for affected area
  - Updated Parcels
  - Demographics
  - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
  - This included information on the SEOC activation and a 0900 briefing for SEMCs.
  - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.

- *Operational period for the SEOC will be M-F, 0800 to 1700 at this time.*
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

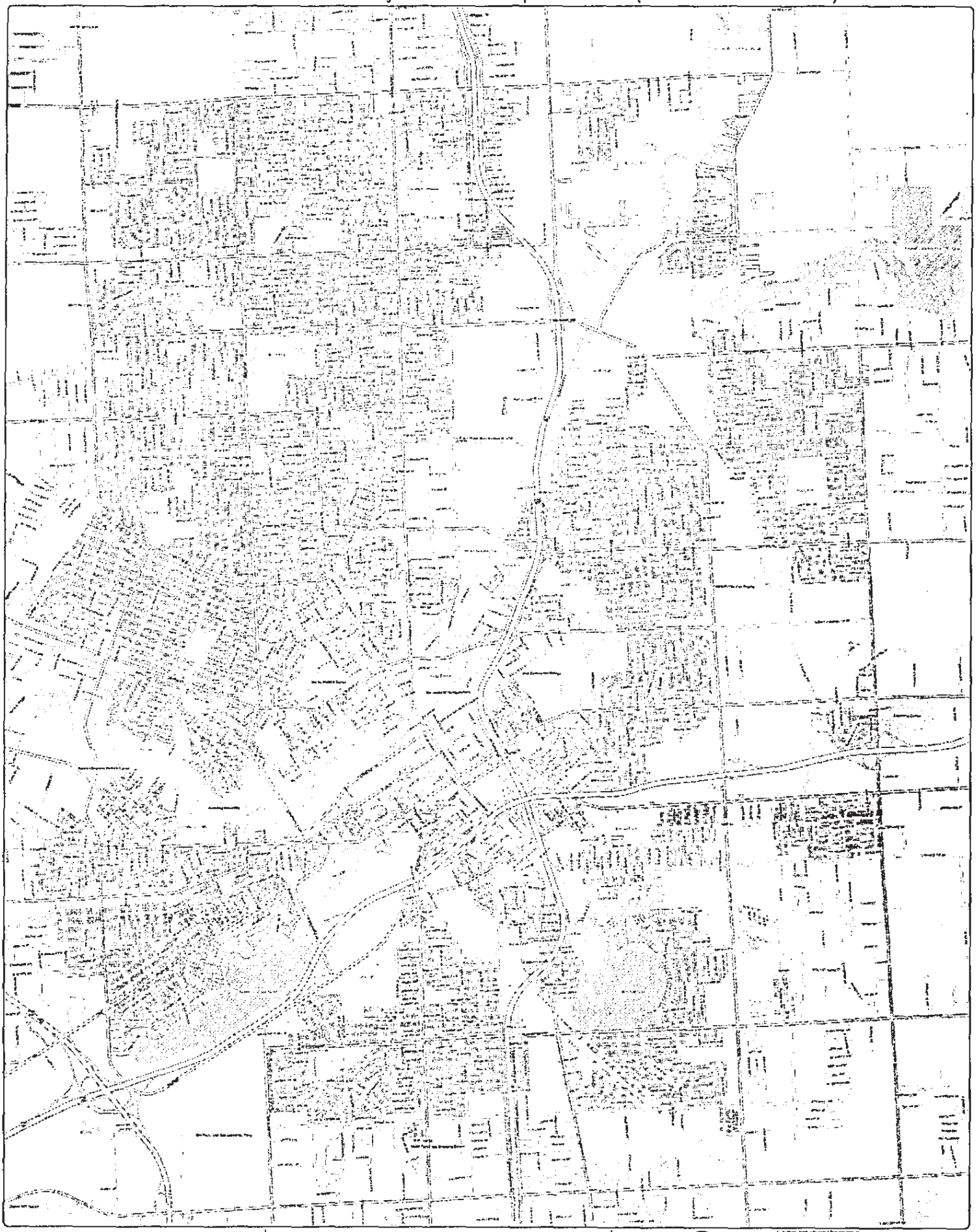
Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

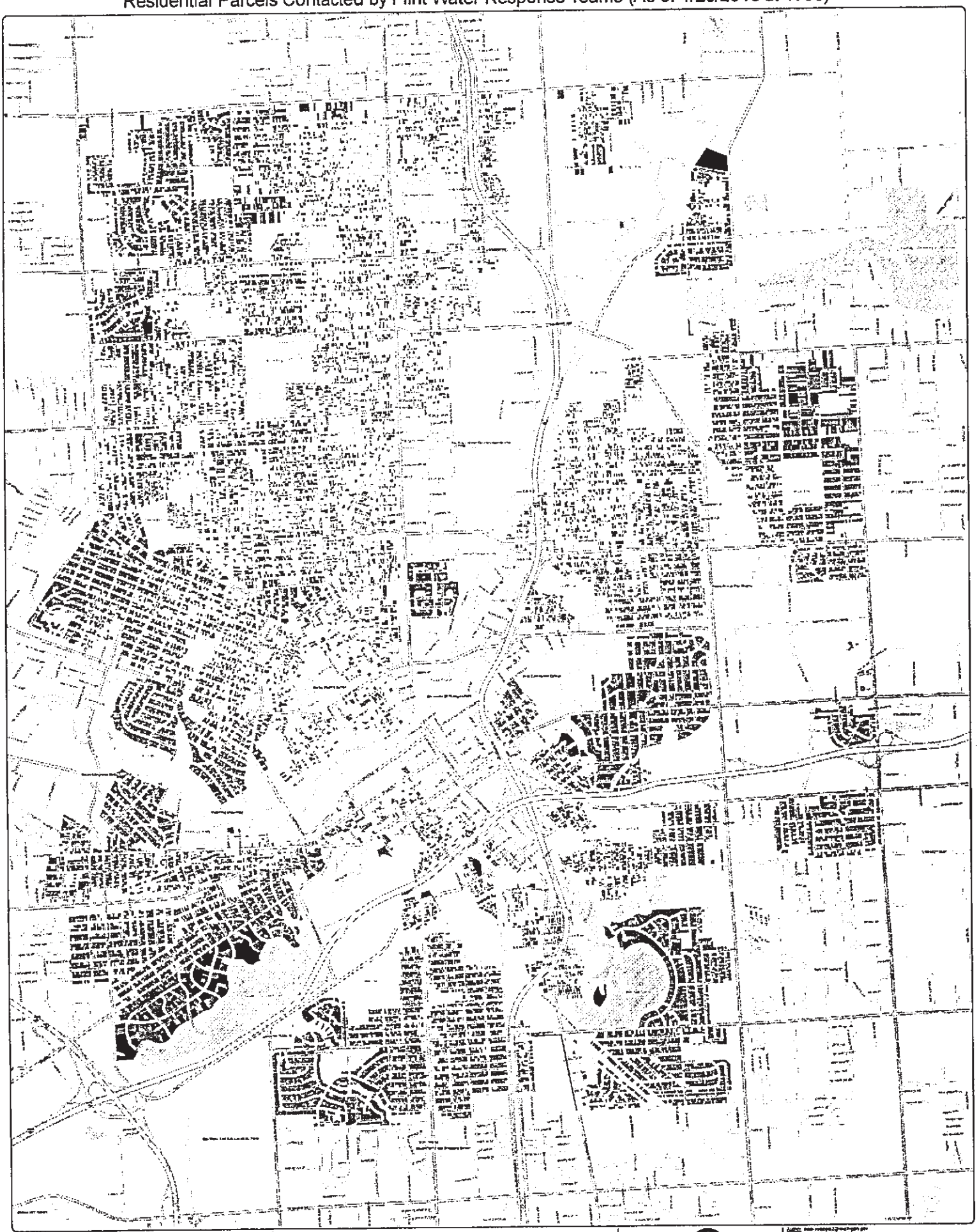
"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

Residential Parcels Contacted by Flint Water Response Teams (As of 1/28/2016 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Residential Parcels Contacted by Flint Water Response Teams (As of 1/28/2016 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/28/2016 08:00:00
Operational Period End:	02/02/2016 08:00:00
Situation Report No.	23
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/28/2016 08:00:00
SEOC Hours of Operation End:	01/28/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 28, 2016):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Resources.
- Public information control.

Logistics:
- Processed requests (RRF's) for water, filters, replacement cartridges, pitchers, and pallet jacks from FEMA.
- Researched possible warehouse options with the local EOC, FEMA and General Motors.
- Warehouse inventory will be taken in liters for water and by each unit for other items (1/27).
- Secured donations of pallet jacks (so far) from American Logistics Aid Network. In discussions for warehouse space, staffing, and equipment.
- Reviewed, assigned, investigated, and updated resource requests.
- Received and handled resource requests for water/filters/cartridges.
- Provided supplemental staff for Donations Management.

JIC:
- Received an inquiry regarding potential scams being perpetrated on residents of Flint. This information was referred to the Attorney General's office for a possible news release and further action.
- Issued a media advisory and coordinated a press conference about recycling with Lt. Gov. Brian Calley at noon at Fire Station #1. Used social media to promote the event as it occurred.
- Staff attended a 3:00 pm community partnership meeting at the Red Cross office to help dispel rumors about immigration enforcement.
- Obtained a recording of the Governor's tele-town hall on 1/17/16 and will post this information on the michigan.gov/flintwater webpage and include a link in the nightly news release.

Recovery Branch:
o Coordinated the data entry of the ARC paper tracking forms with Headquarters volunteers.
o Worked with GIS to develop an area map and spreadsheet with addresses based on data specified as follow up required.
o Coordinated daily assignments for the Flint Water Response Teams.
o Operations for the Water Response Teams has shifted to a targeted effort to get filters into homes our data shows don't currently have filters.
o Continued demobilization of trucks and vans.
o City sections visited today: 2,3,9,10,11,17,19,20,23,28.
o City sections scheduled tomorrow*: Finishing routes from January 28.
o 10 American Red Cross teams scheduled for Friday, January 29th.

- Data is for 1/28/16 as of 5:00 pm:
o Total homes visited:
❑ 6,734 (round 3 total).
❑ 1,768 (today).
o Water cases:
❑ 4,013 (round 3 total).
❑ 1,479 (today).
o Replacement cartridges:
❑ 737 (round 3 total).
❑ 394 (today).
o *Faucet filters:*
❑ 3,286 (round 3 total).
❑ 1,409 (today).

Planning Section:
- Published Sit Rep # 23.
- Compiled list of answers for questions from the Governor's office.
- Worked on tracking of resources from PODs.
- Participated in local, SEOC, and daily distribution conference calls.

Operations Section:
- 55 Red Cross volunteers were active across the operation today.
- 70 event based volunteers were active across the operation today.
- Facilitated state agency and local briefing calls.
- Coordinating National Guard escort from Lansing to Flint.
- Coordinated water pitcher request for vulnerable population.
- Warehouse Numbers as of 1800:
❑ Water (liters):
- 231,504.
❑ Filters (faucet):
- 45,524.
❑ Replacement cartridges:
- 289,570.
❑ Test Kits (prepped):
- 19,368.
❑ Test kits (un-prepped):
- 0 (all supplies out to ARC for assembly).
- PODs (1700 1/27– 1600 1/28).
❑ Water (cases):
- 9,120.
❑ Filters (faucet):
- 516.
❑ Replacement Cartridges:
- 809.
❑ Filters (pitcher):
- 207.
❑ Test kits:
- 361.

Finance Section:
- Provide financial information for meeting this afternoon.
- Continue to work on SEOC Staffing report.
- Work with other state agencies regarding procurement policies and procedures.
- Review donation as match guidelines for required 25% federal match.
- Log resource requests and update missing financials.

GIS Branch Updates:
- Created map of schools for LARA.
- Created map of healthcare facilities for LARA.
- Troubleshot app issues with network connectivity.
- Created map of religious facilities for local EOC.
- Coordinated with U of M Flint on lead mapping (state work completed today, U of M will have their data ready next week and we will cross validate findings)
- Provided metrics and goals to command.
- Updated individual team assignment maps.
- Updated wall maps.
- Updated JIC maps.
- Coordinated with DNR on water test kit mapping.
- Migrated parcel content to a more stable database for long term storage and maintenance.
- Prepared for move to new building.
- Prepared wall maps of parcel statuses.
- Prepared stats for governor.

DTMB:
- DTMB Print & Graphic Services continues to provide translation of water documents and printing for water related documents.
- Created e-mail account for Donations Management and assisted with addition to SMART phone for user.
- Real Estate Division leasing manager provided assistance with potential secondary warehouse location.
- Working with Governor's Office to provide a tab on the Help For Flint website to capture vendors wanting to pitch their product/ideas.

DHHS-CH:
- The CHECC remains activated at a level 2 with communications being coordinated between GCHD EPC, Federal Coordinating Officers, MDHHS Leadership and the SEOC.
- Historical blood lead data is being obtained and an accurate display that is clear and understandable is in development.
- The Genesee County Health Department has requested assistance with risk communications. The Public Health Team lead will be in Flint tomorrow and will be able to assist with this request. The MDHHS will also provide technical assistance as requested.

DEQ:
- Requested Michigan Department of Corrections to continue support of sample transport from collection sites to the DEQ Laboratory through February 15, 2016.
- Provided direction to all involved in supporting the efforts with local public entities regarding the need for credentialing.
- Provided updated test bottle orders to EMHSD finance.
- Lead service line mapping completed by DNR GIS.

Local EOC Update:
- Planning for transition of operational control to local level.
- Discussed transition and demobilization of EOC support team with SEOC staff, Genesee County Sheriff's Office and Genesee County Emergency Management & Homeland Security
- Identifying and securing additional warehouse space.
- Coordinating rapid response deliveries to special locations.
- Coordinating vehicle and technology demobilization.
- Implementing recycling program. Press conference held with Lt. Gov. Calley.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.

• Coordinating volunteer management with Michigan Community Service Commission, ARC and other VOADs. Attended meeting with VOADs.
• Received donation of $10,000 from Little River
• Continuously addressing public concerns over perceived fraud through door-to-door teams.

Incident Response/Recovery Priorities/Objectives

(Objectives are in order of priority with original objective number attached)

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
7. Gather, analyze, and disseminate GIS data to develop products for future planning.
10. Collaborate with local and volunteer agency partners to solidify the Flint Water Operations Plan.
3. Improve and maintain the public information strategy and process.
8. Maintain coordination between partner agencies and organizations to include FEMA IMAT and the FWICC
4. Develop a long term public health and services plan.
6. Develop an overview of possible assistance programs.
9. Enhance situational awareness and common operating picture of all activities.
5. Continue to maintain adequate staffing to support operational requirements.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Declaration of Emergency for Michigan Contaminated Water (EM-3375), 1/16/2016

Weather Conditions

Watches/Warnings

Upcoming Forecast

* Snow showers will start this morning (Jan 28) and continue through this evening. Expecting less than one inch of snowfall but some heavier bursts could result in brief reductions in visibility.
* Gusty Winds Thursday (Jan 28) and Friday (Jan 29).

* *High temperatures today (Jan 28) will reach 35 degrees this morning but higher winds will result in wind chills only in the mid 20s.*
* Cooler temperatures on Friday (Jan 29) with highs in the upper 20s will give way to temperatures in the 40s Saturday (Jan 30) through Monday (Feb 1).

Risk for Frostbite from Exposure over the next week is low unless exposure time for the individual is several hours in length with the person engaging in little to no activity.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSla

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was expected to be operational in Flint from 8 a.m. to 8 p.m. on Jan. 28. The JIC was operational until 10:30 p.m. on Jan. 27.

State agencies at the JIC included the Michigan State Police, Michigan State Housing Development Authority, Michigan Economic Development Corporation, Michigan Community Service Commission, and Departments of Environmental Quality, Health and Human Services, Licensing and Regulatory Affairs, Technology, Management and Budget, and Military and Veterans Affairs. The Genesee County Sheriff's Office and American Red Cross were also present.

Tasks accomplished:

• Media hotline staff answered more than 20 emails and phone calls ranging from recycling to Spanish-speaking operators at 2-1-1.

• Received an inquiry regarding potential scams being perpetrated on residents of Flint. This information was referred to the Attorney General's office for a possible news release and further action.

• Key agency PIOs fielded multiple news inquiries throughout the day, including conducting or scheduling interviews with the Detroit News, Snopes.com, Bloomberg BNA, FOX 2, Supertalk 1570, WDIV Channel 4, and ABC 12.

• Assisted the Governor's Office with media photo op with Flint pastors at 10:30 a.m. at Flint City Hall.

• Issued a media advisory and coordinated a press conference about recycling with Lt. Gov. Brian Calley at noon at Fire Station #1. Used social media to promote the event as it occurred.

• Coordinated a live shot at Fire Station #1 with Channel 4 in Indianapolis. Six-thousand cases of water were donated by citizens of Indianapolis, IN, and were dropped off at the Clio Rd. warehouse.

• Staff attended a 3:00 pm community partnership meeting at the Red Cross office to help dispel rumors about immigration enforcement.

• Problem solved fact sheet printing issue with State Emergency Operations Center, Genesee County Emergency Operations Center, and Genesee County Health Department.

• Created a media monitoring report and looked for information requiring correction.

• Updated internal talking points about the ongoing Flint water emergency.

• Continued routing public information materials for approval, including communications from MDHHS and MDEQ.

• Obtained a recording of the Governor's tele-town hall on 1/17/16 and will post this information on the michigan.gov/flintwater webpage and include a link in the nightly news release.

• JIC is planning to issue the nightly activity news release around 7 p.m.

• Developed a dozen social media messages for use by state agencies to support operational messaging.

Agriculture and Rural Development (MDARD)

Thursday, Jan 28th -
The first water samples from food establishments have been returned; (8 reports received-50% 'not detected' and 50% at varying levels of lead detected from 2-21 ppb). MDARD is reviewing results and will be coordinating on next steps and requirements for those firms. Assessments of food businesses are continuing.
MDARD's Animal Health & Environmental programs is working on how to get information about pets and gardening / urban agriculture to people in the areas most impacted. We will coordinate public messaging with the JIC and have to coordinate with Local Health given the sensitivity and privacy concerns of residents.
MDARD plans to participate in a conference call with DEQ, LARA, DHHS, and MDE to discuss a common message regarding interpretation of water lead test results.
Question from Civil Rights re: cottage food producers - by legislation they are not licensed and do not have to register so there are no lists; MDARD will reach out to the areas where those businesses may be selling (generally farm markets)

American Red Cross (ARC)

The American Red Cross deployed and supported 10 Water Response Teams on Thursday. We expect to have 10 teams available tomorrow as well.
The Volunteer Reception Center (VRC) was in full operation today. The VRC is scheduled to be open from 9am to 7pm today and tomorrow. The weekend schedule 9am to 3pm.
We continued assembling water test kits today.

AuxComm

Auxcomm EMC continues to follow the incident via MI-CIMS and SEOC briefings, and provide situational awareness for ARES, RACES, MARS, SATERN and CAP leadership.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC entities.

* Followed up with FEMA HHS rep. on 2-1-1 accessibility for pre-paid/minute mobile phone; aware and advised push for alternative messaging for the alternative line available 1-844-875-9211 has been ongoing discussion

* Reviewed continuing media coverage of Genesee County Hispanic Latino Collaborative issues and concerns;

* Continue to update list of area non-profits engaged in stabilization and recovery for 360 inclusion

* Briefed on Michigan Civil Rights Commission/MDCR public hearings

* Forwarded list of non-Christian/non-Flint proper religious institutions for verification as to GIS layer

Community Health (MDCH)

The CHECC remains activated at a level 2 with communications being coordinated between GCHD EPC, Federal Coordinating Officers, MDHHS Leadership and the SEOC.

Dr. Wells, the Chief Medical Executive will begin weekly communications with the healthcare community through webinars and/or newsletters. The first webinar is scheduled for Wednesday 2/3/16.

Historical blood lead data is being obtained and an accurate display that is clear and understandable is in development.

Dr. Barbara Reynolds, Senior Advisor for CDC Crisis and Risk Communication provided technical assistance with risk communication strategies and a training in Flint.

Dr.'s Lurie and DeSalvo will be visiting a WIC clinic in Flint tomorrow.

The Genesee County Health Department has requested assistance with risk communications. The Public Health Team lead will be in Flint tomorrow and will be able to assist with this request. The MDHHS will also provide technical assistance as requested.

Corrections (MDOC)

We continued to streamline operations at the warehouse to assure that PODs are well supplied. We will continue to keep trucks dedicated to delivering to individual PODs and have Rapid Responses ready for any POD that gets to a critical level of supplies.

14 Penske Trucks remain as of 1630.

333 Water Samples were collected and delivered to the DEQ Lab in Lansing.

MDOC had the following resources operational today.

(14) - MDOC employees

(6) - MDOC SAI prisoners w/Corporal

(1) - Passenger van w/driver

(1)- Regular Cab Pickup w/driver

(1) – F-250 Pickup

(5) – Box Trucks w/driver

(1) - 53' Refrigerated Semi-Trailer

(3) - Electric Pallet Jacks

(7) – Hand Pallet Jacks

(1) – Warehouse Manager

(1) – Warehouse Security Person w/vehicle

Education (MDE)

1. Provided spreadsheet to LARA, as requested, with detailed child care provider information for Genesee County.
2. Provided requested data to DHHS, with breakdown of students ages 5-10 that reside within impacted zip codes.
3. Uploaded spreadsheet to Activity Log from GISD with listing of student enrollment in all districts of students that reside within

impacted zip codes, by school district and age of enrolled students, ages 0 to 21+.
4. GISD is critical MDE partner in communication to local districts. 16,424 students that reside within impacted zip codes attend 35 Public/PSA districts in Genesee County. Nearly 11,000 of those students attend a district/entity other than Flint Community Schools. 1,424 are less than Kindergarten aged (0-4) and enrolled in Early On programming through GISD.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:

Requested Michigan Department of Corrections to continue support of sample transport from collection sites to the DEQ Laboratory through February 15, 2016.

Provided updated test bottle orders to EMHSD finance.

Provided direction to all involved in supporting the efforts with local public entities regarding the need for credentialing.

Established procedure for participation of SEOC DEQ Representative in DEQ Emergency Coordination Center Planning Meeting.

Facilitated conversation with EMHSD and DNR-GIS reference statistical points relative to provided maps.

Lead service line mapping completed by DNR GIS

Human Services (MDHS)

Two Genesee Co MDHHS offices continue to be points of distribution for filtration devices.

Entered Resource Request for additional staff to assist MCSC with donations management.

CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

-Updated the LARA Executive Team

-Finalizing Health Care Facility survey information and comparison.

-Continue working on translation of documents to various languages. Providing resources.

- Finalizing numbers for faucet project to include facilities regulated by LARA, DHHS and MDE.

Military and Veterans Affairs (DMVA)

Commanders Situation Report (SITREP)

1. DTG: 2813002016

2. UNIT: Points of Distribution (PODs), TF FLINT (1-125 IN)

3. POC:1LT Roland, John G. Cell: Email: john.g.roland2.mil@mail.mil.com

4. PRESENT LOCATION: Genesee County Local EOC, 1101 Beach St., Flint, MI, 48502

5. SITUATION OVERVIEW: 1-125 IN has Soldiers deployed to the Flint Water Crisis in support of Distribution Operations at the Points of Distributions (PODs).Daily operations consist of receiving, tracking, and issuing out water, filters, replacement filters, and water test kits.

6. OWN SITUATION DISPOSITION /STATUS: Currently 1-125 IN has Soldiers on ground supporting the mission.

7. OPERATIONS: Operations for the next 24 hours are to sustain water/filter distributions throughout the 5 designated fire stations and track all distribution incoming and outgoing through the PODs.

a. LT Benke met with local city engineering yesterday in response to traffic signs at the PODs.

1.) Workers from the City of Flint determined that they do not have the capabilities to support the road sign warnings. Local EOC is working through the Genesee County Road Commission IOT have traffic signs placed at the requested PODs.

b. Unknown if Flint City Electricians assessed lighting around the outside areas of the PODs IOT fix lighting issues.

8. PERSONNEL: Soldiers are currently assigned to the POD operations. Soldiers are assigned in five teams at Fire Stations 1, 3, 5, 6 and 8.

9. INTELLIGENCE / FORCE PROTECTION: No force threats have been identified.

10. LOGISTICS: Every POD has at least one fully functional pallet jack and dolly/handcart.

11. COMMUNICATIONS: No communications issues at this time.

P: 800 MHz radios issued to PODs and WRTs.
A: RRF cell phones alternate for WRTs.
C: Personal cell phone
E: Runner

12. NARRATIVE: N/A

13. COMMANDER'S EVALUATION:
• POD operations are still functioning well. We are trying to improve the efficiency, professional appearance, and long-term establishment of the POD's, but, overall the POD's operations are remaining successful.
• Recycling has been implemented at PODs 1, 5, and 8. A small amount of recycling has been.
• Consolidated Station Report OUT (last 24 hours)
Bottled water-5559 Water (Gallons)-1317 Lead Testing Kits-388
Pitcher (23 cup)-550 Brita Faucet Filter-216 Brita Replacement Cartridge-352
Pur Filter-250 Pur Replacement Filter-444

National Weather Service (NWS)

NWS Detroit providing morning SEOC brief and Activity Log posts. Jim Maczko from NWS Grand Rapids will be the contact point for any changes in NWS Support and will also continue to update the Sit Rep Executive Summary as needed.

Participation in afternoon SEOC briefings is planned only if significant changes in the forecast occur.

Natural Resources (MDNR)

MDNR LED continues to support its QOL partners with staffing at the SEOC.

Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging (VAAA) continues to receive phone calls from concerned seniors in Flint and continues to make referrals to the Genesee Co. EOC for water and filter follow-up.

VAAA's local Nursing Home Ombudsman continues to monitor Flint area Nursing Homes to ensure residents have access to safe water.

Contact info for VAAA Executive Director is:
Kathryn C. Boles
President, CEO
Valley Area Agency on Aging
225 E. Fifth Street, Suite 200
Flint, MI 48502
(810) 239-7671
(810) 239-8869 fax

State Police (MSP)

10 Red Cross Teams completed WRT duties, homes continue to be visited. MDOC continues to staff the warehouse, and the Michigan National Guard staffed 5 distribution PODS.

The cyber trained personnel from MING who were called upon to support Michigan State Police, Michigan Cyber Command Center at the MC3 located on the 3rd Floor of State Police Headquarters reported to Headquarters on 1/22/16. MING personnel are currently on stand-by and will be called upon when needed.

The MSP position within the SEOC will be staffed at MSP Operations at HQ. All e-mails to MSP-EOC-MDSP@michigan.gov are being forwarded to the Operations Lt. The phone number for the on duty Operations Lieutenant is 517-241-8000

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

Continue to provide DTMB management with daily updates and resource requests received.

DTMB Print & Graphic Services continues to provide translation of water documents and printing for water related documents.

Created e-mail account for Donations Management and assisted with addition to SMART phone for user.
Real Estate Division leasing manager provided assistance with potential secondary warehouse location.
DTMB Vehicle Travel Services has three drivers with trucks assisting in transporting supplies to support point of distribution centers and Mail Services has one driver assisting the local food bank with distribution of donated water.
151 tablets provided to the Flint Water Response Teams will begin demobilizing and return to Lansing on Thursday. Genesee County has requested 25 tablets remain with their employees until no longer needed.

Continue to provide server monitoring of MiCIMS servers and analyzing slow internet service at the Joint Information Center in the Flint State office Building.
Working with Governor's Office to provide a tab on the Help For Flint website to capture vendors wanting to pitch their product/ideas.
Thirteen minivans that were provided will be transported back to the State Secondary Complex on Friday as they are no longer needed.
Provided FEMA personnel with safety information and floor evacuation maps for the new SEOC facility.

Transportation (MDOT)

MDOT is providing traffic measures at Fire Station #6 on Pierson Rd. and Fire Station #3 on Martin Luther King Blvd:

-4 portable changeable message boards (2 each site).
-100 grabber traffic cones (narrow reflective cones) (50 each site)

MDOT continues to maintain situational awareness and respond to issues regarding equipment and road conditions.

Incident Related Images

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Higgins, Lori (MSP)

From: Kelenske, Chris (MSP)
Sent: Friday, January 29, 2016 9:02 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Snyder, Rick (GOV); Calley, Brian (GOV); Creagh, Keith (DEQ); Lyon, Nick (DHHS)
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)
Subject: SEOC Update 1/29/16 - Flint Water - Limited Distribution
Attachments: SitRep24 Flint Water.pdf

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Update 1/29/16 – 25th Day (24th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Draft data documents for Governor's team for dashboards.
- Draft timeline of events.
- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations and work to increase warehouse locations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Sit Rep # 24

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- MSP EMHSD Operations Chief in the Local EOC will be shifted to the Unified Coordination Group (Federal Agencies) to provide connection to SEOC.
    - Local EOC to take a more active role in command and control at the local level.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Recovery compiled a list of apartment buildings to send out to water response teams.
- SEOC Logistics coordinated Niagara water donation delivery times/dates of 25.5 semi-trailers.
- SEOC Logistics Worked with warehouse to send temporary donation's for the weekend to the LEOC established staging area.

- JIC coordinated with Genesee County Emergency Operations Center and State Emergency Operations Center regarding concerns from undocumented workers and English as second language speakers, including fielding a phone call from the Mexican Consulate in Detroit. Efforts are underway to reach out to these communities and to translate more materials for publication.
- Planning developed SBA loan request letter.
- GIS continued refinement of data.
- Information reported to the JIC:
    - As of 1/29/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Total	Targeted Canvassing Mission 1/29/2016
30,770	37,844	7,658	924

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	216,605
b. Filters	98,641
c. Filter cartridges	202,566
d. Test kits	31,111

3. Resources purchased:
    a. Cases of water 2,151,444 Liters (additional 715,404 Liters donated)
    b. Filters 162,536
    c. Filter Cartridges 376,903
    d. Test kits 62,701
4. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

aStanding Information Requirements

1. **Number of homes visited each day:**
    a. 1/29/16, as of 5 pm, 924 homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: 7,658
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command Cell
        iii. Cyber Mission:
        iv. Joint Forces Headquarters: -
4. **Total Number of Volunteers each day:**
    a. 100 volunteers on 1/29/2016.
5. **Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,831	27,855
Active residential water subscribers	26,673	22,158

6. **Number of Water filters distributed (each day and to date):**
    a. 1,218 were distributed on 1/29/2016, and total distributed to date is 98,641.
7. **Cases of Bottle water distributed (each day and to date):**

a. 7,458 were distributed on 1/29/2016, and total distributed to date is 216,605.

8. **Number of testing kits distributed (each day and to date):**
    a. 221were distributed on 1/29/2016, and total distributed to date is 31,111.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351
    *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. 4,084 water samples out of 4,351 sampled through January 29, 2016 are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

- Attended long-term recovery planning meeting with MSP/EMHSD, FEMA and community leaders.
- Planning for transition of operational control to local level.
- Planning for demobilization of MSP/EMHSD support staff.
- Coordinating distribution of Spanish-language water sample forms to affected populations.
- Identifying and securing additional warehouse space.
- Refining rapid response process and coordinating rapid response deliveries to special locations.
- Continuing to coordinate vehicle and technology demobilization.
- Implementing the recycling program with the Community Recycling Coalition.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC, and other VOADs.

Chris

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Update 1/28/16 – 24th Day (23rd Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Sit Rep # 23
- Maps:
    - *Parcel Contact Status, includes data as of 5 pm today. (Provide earlier by GIS)*
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today. (Provide earlier by GIS)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- We continue to send ARC teams to targeted areas potentially missed.
- Collins Road SEOC will be shutdown. New SEOC at 7150 Harris Drive in Windsor Township (former GOB) will be activated for SEOC staff only. All EMHSD admin personnel will start at the new facility on Monday.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- MSP HQ staff completed data entry on all ARC paper copies.
- Recovery Staff attended local Community Partners Meeting.
- Recovery Branch worked with GIS to develop an area map and spreadsheet with addresses based on data specified as "follow up required "for Red Cross teams.
- SEOC Logistics researched possible warehouse options with the local EOC, FEMA and General Motors.
- We have a corporate owned (originally thought to be a franchise owned) Kroger that is no longer in business near Fire Station 6. Looking to get a lower cost for potentially use.
- Received an inquiry regarding potential scams being perpetrated on residents of Flint. This information was referred to the Attorney General's office for a possible news release and further action.
- Issued a media advisory and coordinated a press conference about recycling with Lt. Gov. Brian Calley at noon at Fire Station #1. Used social media to promote the event as it occurred.
- SEOC Operations coordinated water pitcher request for vulnerable population.
- Information reported to the JIC:
    - As of 1/28/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Total	Targeted Canvassing Mission 1/28/2016
30,770	37,844	6,734	1,768

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	207,055
b. Filters	97,342
c. Filter cartridges	201,848
d. Test kits	30,801

3. Resources purchased:
    a. Cases of water 1,980,504 Liters (additional 517,152 Liters donated)
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
4. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

New Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/28/16, as of 5 pm, 1,768 homes were visited today.
2. **Total number of homes visited:**
    a. *Targeted Canvassing Mission: 6,734*
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command Cell:
        iii. Cyber Mission:
        iv. Joint Forces Headquarters:
4. **Total Number of Volunteers each day:**
    a. 125 volunteers for 1/28/2016.
5. **Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,238	25,221
Active residential water subscribers	26,673	20,788

6. **Number of Water filters distributed (each day and to date):**
    a. 1,806 were distributed on 1/28/2016, and total distributed to date is 97,342.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 8,428 were distributed on 1/28/2016, and total distributed to date is 207,055.
8. **Number of testing kits distributed (each day and to date):**
    a. 466 were distributed on 1/28/2016, and total distributed to date is 30,801.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351

    *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. **Number of homes with safe drinking water:**
    a. 3,726 water samples out of 3,972 sampled through January 28, 2016 are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

- Planning for transition of operational control to local level.
- Discussed transition and demobilization of EOC support team with SEOC staff, Genesee County Sheriff's Office and Genesee County Emergency Management & Homeland Security.
- Identifying and securing additional warehouse space.
- Implementing recycling program. Promoted program at a press conference with Lt. Gov. Calley.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC and other VOADs.
- Continuously addressing public concerns over perceived fraud through door-to-door teams.

Chris

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Update 1/27/16 – 23rd Day (22nd Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Sit Rep 22
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today. (Provided earlier by GIS)
        - The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today. (Provided earlier by GIS)
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
    - ARC teams are targeting the homes we show that were not visited.
- Information provided to the Governor's Office (Paul Smith) for an extension to the Governor's Declaration of an Emergency. This has to be approved by both houses of the legislature. The extension will put us on the same timeline as FEMA's declaration.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Recovery Branch compiled a list of targets for apartment complexes. Once plan is in place, a team will go to each complex and verify all tenants have been given or have a water filter. Once outreach has taken place for each complex, GIS will manually mark entire parcel as complete.
- SEOC Logistics worked with the Michigan Community Service Commission on donations management and volunteers
- GIS coordinated with DNR and DEQ to establish timelines for lead mapping and strategize updates of lead statuses based on plumber activities.
- GIS coordinated with DTMB/CSS to meet with local GIS staff to review city GIS infrastructure and provide recommendations on future asset management.
- Planning and Financial provide information for Senate Appropriations Committee meeting this afternoon.
- Financial Reviewed donations as match guidelines for required 25% federal match.
- Information reported to the JIC:
    - As of 1/27/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Total	Targeted Canvassing Mission 1/27/2016
30,770	37,844	4,966	1,020

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	196,456
b. Filters	95,417
c. Filter cartridges	200,654
d. Test kits	30,255

3. Resources purchased*:
    a. Cases of water 165,042 (additional 32,234 donated)
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
4. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/27/16, as of 5 pm, 1,020 homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: 4,966
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command Cell:
        iii. Cyber Mission:
        iv. Joint Forces Headquarters:
4. **Total Number of Volunteers each day:**
    a. 109 volunteers for 1/27/2016.
5. ***Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,238	22,939
Active residential water subscribers	26,673	19,677

6. **Number of Water filters distributed (each day and to date):**
    a. 971 were distributed on 1/27/2016, and total distributed to date is 95,417.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 7,592 were distributed on 1/27/2016, and total distributed to date is 196,456.
8. **Number of testing kits distributed (each day and to date):**
    a. 341 were distributed on 1/27/2016, and total distributed to date is 30,255.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People Tested for Lead 10/1/2015 to 1/22/2016: *3,351
    *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. **Number of homes with safe drinking water:**

a. 2,991 homes, per data from September 3, 2015 to January 27, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.
*This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

GIS Information

AS OF **1/27/2016** AT 5 p.m. USING DATA FROM FLINT WATER RESPONSE TEAMS, POD DISTRIBUTIONS, AND GENESEE COUNTY HEALTH DISTRIBUTION DATA.

NOTE: PLEASE REMEMBER THAT PAPER DATA AND DATA ENTRY FROM PREVIOUS DAYS CONTINUES TO COME IN AND WILL BE INCLUDED IN THE TOTALS AS IT IS RECEIVED.

We are tracking **38,238** residential parcels that the City of Flint has identified as non-vacant (including Franchise). Of those:

- **34,849 (91%)** of the parcels have been engaged (e.g. face to face, left an information card, etc.) as part of response efforts
- **22,939 (60%)** of the parcels have been confirmed to have some form of filter
- **10,723 (28%)** of the parcels have volunteered for water testing sites
- **4,918 (13%)** of the parcels have not had personal contact (not home or did not visit a POD)

We are also tracking that there are 29,994 active water subscribers (metered service lines) in the city. When consolidated down and filtering out only residential there are **26,673** residential parcels that have the ability to use the Flint Water System. Of these

- **25,457 (95%)** of the parcels have been engaged as part of response efforts
- **19,677 (74%)** of the parcels have been confirmed have some form of filter
- **9,561 (36%)** of the parcels have volunteered for water testing
- **3,718 (14%)** of the parcels have not had personal contact (not home or did not visit a POD)

Local EOC

- Planning for transition of operational control to local level.
- Identifying and securing additional warehouse space for donations management.
- Coordinating rapid response deliveries to identified locations.
- Coordinating demobilization of vehicles and technology.
- Working to implement recycling program. Press conference scheduled for 01/28/2016.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/26/16 – 22th Day (21th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.

- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas.

Attached Documents:

- Sit Rep # 21
- Maps:
  - Parcel Contact Status, includes data as of 5 pm today.
    - The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
    - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- Press conference to be held in Flint with the Governor, Mayor and some state agency personnel.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- We have taken a significant number of paper records from the ARC WRTs so we can get the data entered into our system. MSP HQ staff has been pulled to the SEOC for data entry. These are a portion of the records the ARC had as they were not using the door to door App as directed. This data will further clarify areas covered/not covered by any teams.
- The WRTs are going to "targeted" locations where we are showing residences not contacted.
- We are working on identifying any multi-unit housing to ensure all have filters (e.g. apartment buildings). Some have been taken care of but we are ensuring these locations are not missed.
- Information reported to the JIC:
  - As of 1/26/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvass MissionTotal	Targeted Canvassing Mission 1/26/2016
30,770	37,844	**3,946**	1,350.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	186,309
b. Filters	94,301
c. Filter cartridges	199,489
d. Test kits	29,841

3. Total number of customers on the Flint water system
   a. 29,994 current water system subscribers
   b. ~45,000 hookups (This is our high end target #)
   c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
    a. Cases of water 146,142 (additional 26,834 donated to the state warehouse and does not include other locations like GCCARD/Food Banks, Churches, etc.)
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/26/16, as of 5 pm, **1,350** homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: **3,946**
3. ***Total number of National Guard on the ground:***
    a.
        i. Number in PODs:
        ii. Command Cell:
        iii. Cyber Mission:
4. **Total Number of Volunteers each day:**
    a. 98 volunteers for 1/26/2016.
5. ***Number of homes with filters:**
    a. 18,487 homes had filters, per entered GIS data as of 1/25/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 1,091 were distributed on 1/26/2016, and total distributed to date is 94,301.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 7,862 were distributed on 1/26/2016, and total distributed to date is 186,309.
8. **Number of testing kits distributed (each day and to date):**
    a. 403 were distributed on 1/26/2016, and total distributed to date is 29,841.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642**;
    *this data is updated bi-monthly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
        *this data is updated bi-monthly
11. **Number of homes with safe drinking water:**
    a. **1,099** homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.
    *This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

- Delivered iPads to warehouse and provided on-site training to drivers, followed with written instructions.
- Facilitated recycling planning meeting and planned for implementation of the program.
- Attended local "Pastors and Police" meeting to coordinate water distribution plan with faith-based organizations.
- Planning for a transition of operational control to local level.
- Coordinated the incoming donations of water and filters through the Michigan Community Service Commission.

- Coordinated volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/25/16 – 21th Day (20th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas

Attached Documents:

- Sit Rep # 20
- Michigan Department of Health and Human Services Situation Report for January 20, 2016
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first map indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).

Items to Note

- 11 ARC Flint Water Response Teams to the field today.
- 8 EPA PIOs will be in the JIC tomorrow. The JIC is unaware of the role or expectations at this time.
- Reference the rash I discussed on the call tonight:
    - There was one specific complaint about rashes that Community Health personnel plan on working with ATSTD/CDC. DEQ is requesting that EPA collect all appropriate water samples to enable a full analysis of the water at the address (an apartment) for bacterial contamination, and a full metals and organics panel. Lead is not associated with skin rashes, but other contaminants are and DEQ wants to find out what, if any, other contaminants are in the water.
    - It was also discussed that it would be ideal if Community Health can forward to the EPA the other addresses and contact information for which they've received complaints of rashes, so that EPA could also test there for appropriate parameters to see if we can identify a cause.
    - SEOC DEQ desk will continue to monitor and work this issue.

- SEOC OPS, Health, MDEQ SEOC, Logistics participated in conference calls with the Governor's office and private partners on potential alternative filtration systems for schools, daycares, etc.
- Created a form for drivers to track rapid response deliveries.
- Media avail at fire station 8 this morning received positive news coverage.
- The NAACP is holding a public meeting at U of M Flint on Tuesday.
- Rachel Maddow will hold a town hall meeting on Wednesday. MSP Third District Commander advised.
- Developed new Incident Action Plan (#7 published in MICIMS) and ICS 204s for the new operational period (1/26/2015-2/2/2016).
- MDOC assumed all warehousing responsibilities today.
- Reviewed state agency financial information received for update to current spend plan.
- Information reported to the JIC:
    - As of 1/25/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Mission 1/25/2016
30,770	37,844	2,596 – ARC*

*American Red Cross data has not been entered in the app, but is currently being caught up. Starting January 26, 2016, the American Red Cross has been instructed that iPads must be used in the field for data entry in order to clearly capture the homes that have filters.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	176,118
b. Filters	93,048
c. Filter cartridges	198,552
d. Test kits	29,320

3. Total number of customers on the Flint water system
    a. 29,994 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
    a. Cases of water 141,982 (additional 24,634 donated)
    b. Filters 124,052
    c. Filter Cartridges 285,586
    d. Test kits 62,701

    * Numbers have not been updated due to the following circumstances:
        - Outstanding donations and inventory at the warehouse which has not been reported to the SEOC. Staff in the SEOC is working with donations management and warehouse to reconcile numbers.
        - Outstanding data from GCCARD on deliveries from 1/8-1/12. Staff in the SEOC and local EOC is working with GCCARD to obtain data.
        - At the beginning of tracking the planning factor used was 72 cases of water per pallet and 22 pallets per semi-truck. Per bill of lading received from the warehouse today, it has been identified that this assumption is not correct. Staff is working to reconcile numbers.

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams – Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**

a. 1/25/16, as of 5 pm, 2,596 homes were visited today.

2. **Total number of homes visited:**
   a. Phase II: 37,844
   b. Targeted Canvassing Mission: 2,596
3. **Total number of National Guard on the ground:**
   a. ℓ
      i. Number in PODs:
      ii. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**
   a. 135 volunteers for 1/25/2016.
5. ***Number of homes with filters:***
   a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
   a. 1,151 were distributed on 1/25/2016, and total distributed to date is 93,048.
7. **Cases of Bottle water distributed (each day and to date):**
   a. 9,514 were distributed on 1/25/2016, and total distributed to date is 176,118.
8. **Number of testing kits distributed (each day and to date):**
   a. 478 were distributed on 1/25/2016, and total distributed to date is 29,320.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
   a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642;**
10. ***Number of people with elevated blood level (kids, adults, total):***
    a. Per CHECC:
       i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
       ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
       iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
11. ***Number of homes with safe drinking water:***
    a. 1099 homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

GIS Information

I have had numerous discussions with GIS staff as to getting our data validated and as close to final as possible. We are tracking 38,144 residential properties within the city (noting large apartment complexes are classified as commercial so they are not a part of this). Of these:

- 34,318 have been engaged by Flint Water Response Teams and PODs (90%) - The remaining 10% is going to be a focus for the teams in the near future
- 23,281 have led to a direct citizen engagement (61%)
- 5,173 were not home during any attempt to visit and have not been recorded as having visited a POD (14%)
- 5,864 of the properties the teams visited were vacant or destroyed (15%)

Additionally, we have been tracking the status of "Active Water Subscribers" from the Flint Department of Public Works. These are residential properties which have meters put on the homes by the city. Of the total 29,994 subscribers citywide, 26,673 have been confirmed as being on residential parcels. Of the 26,673:

- 18,487 Have been confirmed as having received a filter by the Flint Water Response Teams or PODs (69%)
- 3,928 Were not home when visited (15%)
- The remaining 16% we have no data to confirm or deny whether they have a filter

Of special significance from the water subscriber data is that the old lead maps that we are digitizing from the Flint Water Department contain 993 suspected homes with lead lines in them. Of these only 659 have received a filter.

It is significant to note that we are continuing to receive paper forms from the field and processing them. The ARC and volunteers were specifically told to use the App and we provided Ipads but tonight I was told this was not being done by everyone which has caused us some lags in data. This is likely improve the overall numbers as we process historic records (ARC had ~7,000 of these records).

It cannot be reiterated enough that data is still coming in and we are still actively cleansing it.

Local EOC

Operations:

- Coordinated with Foodbank of Eastern Michigan for issuing of Resource Request.
- Coordinating and following up on vehicle demobilization.
- Facilitated rapid response deliveries to special locations.
- Finalizing components of recycling program.
- Received authorization to operate bottle collections for recycling at Fire Station 1 and 5 PODs.
- Initiated activities to plan for inclusion of institution sampling (schools, daycares, nursing homes, etc.) in Genesee County EOC IAP.
- *Coordinating volunteer management with Michigan Community Service Commission.*

Chris

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Update 1/24/16 – 20th Day (19th Full Day) After Governor's Declaration of an Emergency

I have asked state agency SEMCs to archive their SitRep items so you only have current operational period information in the SitRep Agency Summaries. Director Creagh added to daily report.

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs).
- *Prepare appeal on denial of Category B under the Presidential Emergency Declaration.*
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Situation Report # 19
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first one indicates based upon the outreach that has been conducted, which parcels have we had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. *We have 30 days to appeal and EMHSD staff is gathering information for the appeal.*

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- WRTs with NG personnel are transitioning out. No field teams. NG will continue to staff the PODs.
- Tony Katarsky will be acting SEOC State Director. Capt. Kelenske not in the SEOC - available by phone (in the Holland MI area).

Items to Note

- Deployed National Guard/state/local teams and 19 ARC Flint Water Response Teams to the field today.
- JIC was operational with limited staff out of the SEOC today. Co-located JIC in Flint will be back and operational tomorrow.
- SEOC Logistics worked with MDOC on warehouse management transition.
- Recovery Branch began demobilization of trucks and vans.
- Demobilization of National Guard Water Response Teams will be effective as of Monday, January 25.
- School for the Deaf
    - As of 1/23/16: LARA and DEQ teams on site; water testing complete in school building and LRC dorm. Stevens Hall will be tested when landlord finishes upgrades.
    - As of 1/23/16: all water faucets replaced in Stevens Hall. 3 new drinking fountains on order; expected mid-week. Once fountains are installed, Stevens Hall will be scheduled for water testing.
- SEOC Finance Donations Management team to obtain list of donors and donations for FEMA request.
- SEOC Planning Section worked on burn rate data from FWRT and PODS for FEMA request.
- GIS continued to clean up V2 Dataset (patched approximately 1000 records).
- GIS coordinated with the DEQ to transfer lead service line mapping to their GIS department tomorrow. Wall maps showing known lead service lines based off of geographical locations and zip codes provided for Chief Hagler, SEOC DEQ staff and Director Creagh.
- Out of 37,003 homes visited, 5,660 were not home/did not answer. The number of homes visited is lower than the Phase II number as some duplicate contacts at addresses were eliminated.
- *Information reported to the JIC:*
    - As of 1/24/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. *Homes visited by the FWRTs to date.*

Phase I	Phase II	1/24/2016
30,770	37,844	7,012 National Guard/State/Local 4,132 ARC

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	164,991
b. Filters	91,763
c. Filter cartridges	197,775
d. Test kits	28,763

3. Total number of customers on the Flint water system
    a. 29,944 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 141,982 (additional 24,634 donated)
    b. Filters 124,052
    c. Filter Cartridges 285,586

d. Test kits 62,701

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Additional Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/24/16, as of 5 pm, 11,144 homes were visited today
2. **Total number of homes visited:**
    a. Phase II: 37,844
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Number on Cyber Mission:
        iii. Number with FWRTs:
        iv. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**
    a. 315 volunteers for 1/24/2016.
5. ***Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 4,920 were distributed on 1/24/2016, and total distributed to date is 91,763.
7. ***Cases of Bottle water distributed (each day and to date):***
    a. 16,125 were distributed on 1/24/2016, and total distributed to date is 164,991.
8. **Number of testing kits distributed (each day and to date):**
    a. 3,177 were distributed on 1/24/2016, and total distributed to date is 28,763.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. *Unknown at this time, CHECC will begin providing numbers on 1/25/2016.*
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
11. **Number of homes with safe drinking water:**
    a. 577 homes, per data from September 3, 2015 to January 20, 2016. Note, per MDEQ, this data is from **uncontrolled samples** *provided by residents.*

*This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

Operations:

- Distribution of supplies at five water resource sites in the City of Flint.
- Door-to-door distribution of supplies with 34 water response teams (19 ARC volunteer teams, 15 MSP/GCSO/NG teams).
- Facilitating rapid response deliveries to homebound residents and special locations by three teams staffed by Team Rubicon, and Lt. de Castro (MSP/EMHSD).
- *Improved logistics for rapid response teams by providing transportation and iPads starting on 01/25/2016.*
- Coordinated with ARC for distribution of additional iPads for data entry.
- Identified alternative warehouse locations for lose donations.
- Directed volunteer requests to appropriate state agencies.
- Started coordination for resource demobilization.
- Coordinated with 22 churches so they had water, filters, etc. Delivered Saturday. Some advised they were set with supplies. Lt. Roach (MSP District Coordinator will maintain contact with Pastors).

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/23/16 – 19h Day (18th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs

Attached Documents:

- SitRep 18

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have National Guard/state/local agency, type 3 teams (6-9 personnel).
- We will have 40 ARC, type 5 teams (2-4 personnel).

Items to Note

- Deployed state/local teams and 40 ARC Flint Water Response Teams to the field today.
- Created a media monitoring report and looked for misinformation. A call was made to WILX to amend their article that implied that the State was not distributing water to undocumented immigrants. The news release was also sent to WILX about how the State is not requiring identification to receive water resources.
- SEOC Logistics worked on future resource planning and a local business commodity supply plan.
- Drafted talking points for Monday's press conference with Governor Snyder, Colonel Etue, and the Mayor.
- Put in place a place to control POD distribution as much as possible. SKU numbers are being lined out on commodities to prevent or minimize returns for cash.
- Information reported to the JIC:

    - As of 1/23/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

To Date	1/23/2016
37,943	6,323 National Guard 7,361 ARC

2. Distributed: Includes outstanding data from yesterday- PODs after 5 pm, ARC worksheets and local EOC hotshots

Commodity	Total to Date
a. Number of cases of water	148,866

b. Filters	86,843
c. Filter cartridges	194,622
d. Test kits	25,586

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 133,662 (additional 24,634 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard State pe 3 teams---Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot/Rapid Response Team process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas. The city identified some but they are just as bad as the current ones.
- Working on finalizing a recycling plan for the incident.
- Lt. Roach sent up the church information to Tom Webber. She also received one church site that will act as a potential church mega site.
- SEOC GIS to provide a layer for the vulnerable populations so that Team Rubicon can get to them and track in the iPad.

New Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/23/16, As of 5 pm, 13,684 homes were visited today
2. **Total number of homes visited:**
    a. 37,943, does include duplicate counts from the second canvasing
3. **Total number of National Guard on the ground:**
    a.
4. **Total Number of Volunteers each day:**
    a. 310 volunteers for 1/23/2016
5. **Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016,
6. **Number of Water filters distributed (each day and to date):**
    a. 4,156 were distributed on 1/23/2016, and total distributed to date is 86,843
7. **Cases of Bottle water distributed (each day and to date):**
    a. 27,462 were distributed on 1/23/2016, and total distributed to date is 148,866
8. **Number of testing kits distributed (each day and to date):**
    a. 2,171 were distributed on 1/23/2016, and total distributed to date is 25,586
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time until we get the data
10. **Number of people with elevated blood level (kids, adults, total):**

a. Unknown at this time until we get the data

11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. Unknown at this time

Chris

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Update 1/22/16 – 18h Day (17th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Plan for next phase with MSP and NG personnel
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep # 17
- Briefing provided to the HHS Undersecretary by FEMA (due to time only finished 75%)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- National Guard/State/Local , type 3 teams
- 40 ARC (2-4 folks) type 5 teams
- Deliveries going out to all churches on our list we have been working with (21) for Sunday services.
- I will not be in the SEOC Saturday. Tony Katarsky will be the acting SEOC state director. I will be available by phone (wrestling meet).
- Sunday, Lt. Mike Johnson will be acting SEOC state director but I may be in for some of the day.
- Monday I am out on a college visit with my son...I will be available by phone and Tony will again be acting.

Items to Note

- Deployed state/local teams and 15 ARC Flint Water Response Teams to the field today.
- SEOC Operations worked on getting local contact into the JIC along with developing messaging for resources and donations.
- SEOC Planning worked on the further development of long term strategy.
- Recovery branch continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday.
- SEOC logistics worked with FEMA/DHHS on warehouse tracking status/strategy, coordinated resources, and donations management.
- Have had a number of media request concerning resources for immigrants and population less proficient in English. Clarified with a news release that we are not requiring ID but we are asking for addresses to assist with long term recovery. Nobody will be denied resources if they fail to provide us an address.

- Have received numerous inquiries from celebrities on how they can assist and donate.
- We are validating a lot of data but what we have currently is 38,144 parcels in Flint that are not considered "vacant". This does not mean all parcels have a tenant, there are a lot of houses that are empty.
    - 26,673 water subscribers in Flint (not including franchise).
        - Water Subscribers with a Filter = 15,399 (57.7%)
        - Water Subscribers without a Filter = 11,274 (42.2%)
            - With our second pass we are getting more information as to why people do not have a filter. Looking into whether these include homes connected but nobody currently living there. We are refining the data.
    - 11,471 Non-Water Subscribers in Flint.
        - Non Water Subscribers with a Filter = 2,196 (19%)
        - Non Water Subscribers without a Filter = 9,275 (81%)
    - The SEOC Ops Chief has been directed to firm up all numbers with GIS. We have a GIS specialist from FEMA Region V also deployed to the SEOC to assist. ArcGIS has advised us that the amount of data we have collected is more than some major disasters in other states. We are looking into getting their personnel more engaged to ensure we are using all the tools available for analysis.
- SEOC Finance Chief is working on costs to date and all SEMCs were advised to tighten up their records and ensure we have accountability of all costs.
- Information reported to the JIC:

    - <u>As of 1/22/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)</u>

1. Homes visited by the FWRTs to date.

To Date	1/22/2016
37,697	5,920

2. Distributed: Includes outstanding data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots.)

Commodity	Total to Date
a. Number of cases of water	121,404
b. Filters	82,687
c. Filter cartridges	191,704
d. Test kits	23,415

3. Resources purchased:
    a. Cases of water 130,782 (additional 21,682 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

4. Teams going out tomorrow:
    a. National Guard State type 3 teams -- Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

<u>Local EOC</u>

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot process.
- *Working on plan for church water distribution and POD locations.*
- Looking at possible alternative locations for PODs in difficult traffic areas.
    - Working on finding a new POD for 3 and 6. We are aware that the mayor would need to approve this.
- Coordinated water donations and delivery areas.

- Last minute large donations of water and volunteers expected during the weekend.
- Working on finalizing a recycling plan for the incident.
- The Jail water has been tested and is fine. The prisoners are not being poisoned and the local health department is working on clearing this issue up.
- Working on a plan with the churches to have 4 mega sites for churches (N,E,S,W) and have smaller churches work through these sites to get supplies. Churches are interested in the recycling program, putting information in their bulletins and also used a collection sites.
- Team Rubicon is coming tomorrow to assist with home deliveries.
- Continuing with recycling plan. Need to identify sites with city. Local EOC has visited areas with the local contractor.

Chris

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Update 1/21/16 – 17th Day (16th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) - "Phase II"
- Plan for next phase with MSP and NG personnel for Governor approval – "Phase III"
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep 16
- Draft Water Operations Plan for moving to next phases (Discussion document)
- Resident Water Sample Results Map (Not for public distribution)
- January 13-19 comparison map

Status on Governor's request letter to the President

- Emergency declaration received. Pending decision of Major Disaster appeal and any denials under the Emergency Declaration (e.g. Category B). We have not been denied category B yet ... POTUS/FEMA has not given it to us though. I believe we may get a denial of category B in conjunction with the Major Disaster appeal decision. We will have 30 days to appeal.
    - Category B is critical in that it is for Emergency Protective Measures which includes (but is not limited to EOC related costs, supplies and commodities, safety inspections, and in limited circumstances "water testing and treatment supplies in the immediate aftermath of the incident to counter a specific threat." We purposely put our start date of this incident to be April 25, 2014 in hopes we get category B and could get 75% federal funds for many other costs all the way back to 2014 – long shot but would be huge if we land this.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard/state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 15 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes/multi family (The is the low end target #)

4. Resources purchased:
    a. Cases of water 124,398 (additional 20,098 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard/State/Local type 3 teams -- Goal tomorrow 300 homes per team
    b. 15 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

• Attended ARC meeting with VOADs to discuss volunteer management and strategies.
• Attended meeting with Plumbers and Pipefitters Union to assess the need for long term cooperation for filter installation and fixture
replacement.
• Requested and received confirmation of deployment of Team Rubicon (starting on 01/23/2016).
• Facilitated Flint & Genesee Chamber of Commerce representation at the EOC.
• Addressed security issues at Fire Station 3, 6 and 8 PODs (residents concerned about criminal activity).
• Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
• Met with Genesee County Planning Commission, United Way of Genesee County and Michigan Community Service Commission to clarify
recycling plans and potential volunteer utilization.
• Coordinated and verified deliveries of supplies to apartment complexes.
• Identified potential locations for recycling stations.

Chris

Update 1/20/16 – 16th Day (15th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for second phase of door to door operations
- Submitted appeal to FEMA Region V
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration

Attached Documents:

- SitRep 16

Status on Governor's request letter to the President:

- Emergency declaration received.

Key items for tomorrow to note are:

- Five copies of the State/FEMA agreement will need to be signed by the Governor. Capt. Kelenske has them and will coordinate delivery.
- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard (MSP supported), type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- Dr. Luri from HHS will be at the SEOC ~10:00 p.m.
- A second phase is starting tomorrow which will include more refined questions as to type of filter systems each person has. This will assist with sustainment operations.
- DOC prison work crew personnel (6-7) will be at the warehouse to keep the area clean. A lot of trash is generated in the warehouse and was becoming an issue.

Items to Note

- Deployed state/local (NG, MSP, Local) teams and 10 ARC Flint Water Response Teams to the field today.
- MSP and local Sheriff's Department continue to provide over watch for WRTs.
- Aqua Hydrate contacted me to donate 5000 cases a month (4 semis) for a year. I was advised by Lindon Nelson this was a Governor/Mayor/Senator Ananich and Meekhof initiative and a press release was going to go out soon (TBD). Logistics is following up with them.
- News release sent from Governor's office about the appeal to the President of the disaster declaration.
- SEOC Logistics worked with JIC and Governor's office to establish a business resource submission tab on www.helpforflint.com
- SEOC Operations continued to develop and finalize Phase 2 canvassing roll out.
- Meeting held with Dr. Luri from HHS.
- Capt. Kelenske and other state agency financial personnel attended the appropriations hearing.
- End of day – concerns with the mass amounts of volunteers showing up and wanting to help. This can cause logistical issues but staff was working to get additional tasks for volunteers outside of the WRTs. We will continue to work on ways to involve more volunteers.
- Additional 5 person NG team for warehouse support approved.
- Information reported to the JIC:

    - As of 1/20/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 29,317 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding hard copy data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots).
    a. Number of cases of water 90,337
    b. Filters 73,229
    c. Filter cartridges 185,852
    d. Test kits 19,866

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 111,630 (additional 18,502 donated)
    b. Filters 115,700

c. Filter cartridges 243,200
d. Test kits 61,161

5. Teams going out tomorrow:
   a. National Guard (t type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Addressed reports of water contamination in distributed bottled and canned water. Confirmed that water is safe to drink through testing by MDEQ. Coordinating with JIC and MDEQ for improved public information on the issue.
- Identifying options to reroute unsolicited offers for supplies and services outside of the EOC. Coordinating to set up 800 number.
- Attended meeting with Flint & Genesee Chamber of Commerce to discuss coordination of efforts, representation at EOC, and improved messaging.
- Attended meeting with Community Foundation of Greater Flint to discuss coordination of neighborhood groups and improved messaging.
- Coordinated with MDARD to provide additional lead testing at restaurants, and signage for safe locations.
- Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment
- Coordinated and verified deliveries of supplies to apartment complexes.
- Discussed logistics requirements of delivery requests for homebound residents with SEOC Logistics.

Chris

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Update 1/19/16 – 15th Day (14th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Prepare plans for next phase of operation – Second sweep of city

Attached Documents:

- SitRep 14

Status on Governor's request letter to the President:

- Emergency declaration received.
- Appeal letter pending.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have National Guard, type 3 teams , with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 5 state/local teams and 11 ARC Flint Water Response Teams to the field today.
- Messaging being developed for concerns regarding the Total Dissolved Solids (TDS) meters and citizens' concerns with those meters indicating "lead" in bottled water. Testing of water to be done by DEQ to ensure we have solid messaging.
- DTMB is working to secure space in Flint for FEMA staff.
- Press release went out this afternoon to announce that the US Department of Health and Human Services will lead the federal response in Flint. Capt. Kelenske to meet with Dr. Nicole Lurie, HHS Assistant Secretary for Preparedness and Response (ASPR), on Thursday. The goal of the federal response will be to help state and local leaders identify the size and scope of the problem, and work with them to make and execute a plan for mitigation of the short- and long-term health effects of lead exposure.
- 5 Additional NG personnel being requested to assist with Warehouse inventories.
- 100 NG personnel on the ground with the WRTs tomorrow with 100 more transitioning in.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- LG is going to be in Flint working at one of the PODs on Wednesday.
- Information reported to the JIC:

    - As of 1/19/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 22,129 homes visited by the FWRTs to date.

    2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.
        a. Number of cases of water 77,794
        b. Filters 69,730
        c. Filter cartridges 184,457
        d. Test kits 16,671

    3. Total number of customers on the Flint water system
        a. 29,944 paying customers
        b. 45,000 hookups (This is our high end target #)
        c. 39,000 includes apartment complexes (The is the low end target #)

    4. Resources purchased:
        a. Cases of water 95,760 (additional 16,056 donated)
        b. Filters 115,700
        c. Filter cartridges 243,200
        d. Test kits 61,161

    5. Teams going out tomorrow:
        a. lational Guard , type 3 teams---Goal tomorrow 300 homes per team
        b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Attended public health group meeting with GCHD, City of Flint Water Department and MDEQ to discuss water test information being returned to residents, to allow residents a greater understanding of results.
- Attended recycling/trash management group meeting with DEQ, Republic Services, Keep Genesee County Beautiful and Genesee County Planning Commission. Provided projections on current and anticipated bottle distributions.
- Coordinated deliveries of supplies to faith-based organizations, apartment complexes and homebound residents

- Coordinated with Comcast to set up locations for distribution of filters (distributed 60 filters on 01/19/2016).

Chris

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Update 1/18/16 – 14th Day (13th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) and PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.
- Complete appeal for Presidential Major Disaster Declaration denial.

Attached Documents:

- SitRep 13
- Side by side comparison of homes with filters January 13th compared to January 18th. This should be hitting the media tonight. This took longer to create than I wanted but is the image I have wanted to show progress of getting filters in to the field.

Status on Governor's request letter to the President:

- Appeal in process.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 5-6 state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
    - NG will be bringing in personnel to prep for surge.

Items to Note

- Beginning tomorrow the operational periods will be 7 days long.
- The CDC/ATSDR (Agency for Toxic Substances Disease Registry) has deployed a team to Michigan.
- An Arabic version of the palm card was reviewed and approved. This was developed via Arab American and Chaldean Council.
- Deployed 12 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- DTMB is working to secure space in Flint for FEMA staff.
- Cost analysis to investigate if it would be more cost effective for FEMA to purchase water vs the SOM.
- ARC news release concerning the Volunteer Reception Center (VRC) sent out today.
- Media availability conducted today at 3pm at the VRC.
- Since 1/14/16 Michigan 2-1-1 has received three direct reports of bottled water testing positive for lead. DHHS SEOC Desk and DEQ SEOC Desk was able to contact two of the callers. The Zero Water filter (pitcher) has a handheld test device so people know when to change the filter. This TDS Meter measures dissolved solids (it is not a lead test). This was explained and we are going to work on messaging to ensure this does not cause issues. Dissolved solids are in all water. The water from the callers is going to be tested and a case of water from one of the companies will also be sent to DEQ for testing. Brands are Spartan Spring Water and Canned Water for Kids. The filter company is also going to work on messaging and work with us on this matter.
- Information reported to the JIC:

- As of 1/17/16 as of 5 pm (start date was Tuesday, 1/12/16)

1. 21,393 homes visited by the FWRTs to date.

2. Distributed:
   a. Number of cases of water 37,313
   b. Filters 53,713
   c. Filter cartridges 169,520
   d. Test kits 7,379

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 82,992 (additional 16,056 donated)
   b. Filters 115,700
   c. Filter cartridges 243,200
   d. Test kits 61,161

5. Teams going out tomorrow:
   a. State type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Continuing to work with faith based organization to distribute resources.
- Working with colleges to obtain volunteers for canvassing.

Chris

Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- *Receive, store and increase quantities of supplies*
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs), PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
  - Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have 1[illegible] state agency, type 3 teams [illegible], with a goal of 300 homes per team.
  - We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed [illegible] tate/local teams and 10 ARC Flint Water Response Teams to the field today.
  - 4,963 homes visited today.
- DTMB is working with DSEMIC and NC3 to monitor social media for information on cyber-attack yesterday.

01/16/16

- Approximately 5:00PM, Michigan.gov began to experience slowness in web page load time. Approximately 10 minutes later the Michigan.gov site became inaccessible caused by of a denial of service attack.
- IBM team was able to implement a mitigation strategy to stop the attack that began at 5:00PM. At 6:24PM the michigan.gov websites were again available to the public.
- Approximately 7:30PM, a new attack was initiated on the michigan.gov environment. The attack focused on the DNS servers and resulted in michigan.gov becoming inaccessible. Additionally, due to the nature of the attack other IBM customers were affected as well. IBM was able to implement a new mitigation strategy that resulted in the excessive traffic being blocked. At 7:53PM the websites were restored to normal operation.
- Shortly after the michigan.gov websites were restored, the State of Michigan was notified by our internet service providers that a DDoS attempt was made against our SOM DTMB servers in the external DMZ. Once detected, this attack was blocked and Michigan Cyber Security saw no signs of any other types of attacks.

01/17/16

- Genesee County was unable to access MiCIMS due to the State increasing filters. Michigan Cyber Security made adjustments to filter settings and their access to MiCIMS was restored.
- DTMB reached out to the City of Flint CTO, Paul Knific, offering any support they need. Right now they feel they have bigger issues than trying to get some of the things back online.

We currently do not have any additional information on the attacks on the City of Flint (cityofflint.com) or Flint Township Police (flinttownshippolice.org) websites. We'll continue to pass information along as we receive it.

- Information reported to the JIC:

  - As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
   a. Number of cases of water 27,195
   b. Filters 50,432
   c. Filter cartridges 168,605
   d. Test kits 4,861

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. 12 State (6-9 folks) type 3 teams---Goal tomorrow 300 homes per team
    b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.
- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have state agency, type 3 teams , with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.

- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed 11 state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- NG will have a total of 78 personnel in the PODs for distribution. Mission has not changed.
    - 34 NG soldiers have been in the PODS. 38 more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.
- Information reported to the JIC:

    - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

2. Distributed:
    a. Number of cases of water 20,876
    b. Filters 47,935
    c. Filter cartridges 167,401
    d. Test kits 3,322

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. tate (type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

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Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed
- Continue with door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.
- When we get the declaration(s) … I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state agency, type 3 teams , with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
  - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).
- I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 10 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.
  - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 18,576
    b. Filters 45,916
    c. Filter cartridges 165,382
    d. Test kits 3,217

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 44,688 (additional 12,884 donated)
    b. Filters 78,520
    c. Filter cartridges 163,081
    d. Test kits 18,761

5. Teams going out tomorrow:
    a. 10 State (6-9 folks) type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

<u>Local EOC</u>

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.
- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.
- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.
- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.

- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.
- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but it appears we have filters in over half the residences):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	**3417**	**394**	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	**3741**			
Future sample test site	114	28	34	52

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and close lease on warehouse space
- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- Continue to work on Governor's Declaration of an Emergency

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
  - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
  - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
  - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
  - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA
- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- The door to door teams will continue at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- MNG will have a press event at the armory with incoming soldiers and MG Vadnais.

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.
- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP get supplies, receive a mission location and deploy.
- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377
Resources			
Door Hangars	473	217	256

Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. The current plan includes:
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.
            - *Local EOC support for other local requests (Faith based for distribution, etc.)*
        - Three warehouse locations at this time
        - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.
    - Water (cases) - 19,152 cases delivered

- *Budget projection completed and will be submitted to SBO for review.*

- Notes from Water Response Team Command (MSP)
    - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
    - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
    - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

<u>Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency</u>

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)

Attached Documents:

- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:

- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
    - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
    - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
    - Ordered:
        - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
            - 1/3 is going to GCCARD and the rest is going to the new warehouse
        - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
    - Today's numbers
        - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
            - 2,000 – Brita filter faucet mounts
        - *Filter Replacements*
            - 2,400 – Brita filter replacements (single pack)
            - 8,000 – Brita filter replacements (two pack)
    - Ordered on 1/12/16 to arrive Wednesday
        - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
            - *10,000 – PUR Vertical faucet mount*
            - 2,500 – PUR Horizontal mount
        - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
            - 10,000 – PUR replacement filters (3 pack)
            - 10,000 – PUR replacement filters (single pack)
        - *PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)*
            - 10,700 – PUR combo packs

- To arrive Thursday
    - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)

        - 1,300 – Zero Water pitchers
    - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
        - 11,000 – PUR vertical faucet mount
        - 1,500 – PUR Horizontal faucet mount
        - 5,000 – Brita faucet mount
        - 10,000 – Brita adv faucet mount white
        - 12,000 – Brita adv faucet mount chrome
    - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
        - 117,600 – PUR replacement filter

- Test Kits
    - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
    - 500 have been assembled and are ready for distribution
    - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
    - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
    - 100, 000 square feet of secure warehouse obtained.
    - Accepting commodities beginning Wednesday, January 13

- Logistics Support
    - The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
    - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
    - We are working on version 2.0 so this can be used at the PODs
    - We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
    - Notes from the field commander:
        - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
    - In the end, there were 394 total home visits with the following breakdowns:
        - 217 Door Hangers
        - 152 Vacant Homes
        - 117 Water Distributions
        - 112 Filters
        - 3 Pitchers
        - 48 Water Test Kits
- 211
    - CALL VOLUME:
        - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:

- SitRep 6

Key items for tomorrow to note are:

- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
    - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.
    - The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note

- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.
- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

- Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
- Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
- Working to establish a warehouse for local resource storage.
- Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
- Discussed potential long term water sources between local EOC and SEOC.
- Established planning cycle/meeting scheduled for 1/12/16.
- Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; **however**, there may exist opportunities to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

    - We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
    - A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***
    - An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to supplement State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***
        - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
    - Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is beyond the capability the state and affected local governments, and that the state requires supplementary federal emergency assistance to save and to protect property....***
    - Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
        - Debris Removal = ***self-explanatory and we do not have this***
        - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
        - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

Key items for tomorrow to note are:

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.
    2. Ensure accurate tracking and accounting of all commodities.
    3. Improve and maintain public information strategy.
    4. Develop a long term public health and services plan.
    5. Ensure adequate staffing to support operational requirements.
    6. Identify possible assistance programs.
    7. Develop an approved GIS strategy.
    8. Maintain coordination between partner agencies and organizations.
    9. Enhance situational awareness and common operating picture of all activities.
    10. Develop a comprehensive Recovery Plan.

Items to Note

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.
- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- *The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.*
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.
    - The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (looking at private sector partners to assist, especially with the warehouse management side).
    - GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.
- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).
    - 12,386 filters
    - 1,985 replacement filters
    - 354 Pitchers
    - 2500 Lead Testing Kits
- Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
    - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
    - We have ordered an additional (expedited delivery with ETAs tomorrow)
        - 40,000 Brita Filters
        - 40,000 Brita Replacement Filters
        - 1000 Zero 8-Cup Pitchers
        - 1000 Zero 8-Cup Pitchers
        - 2000 PUR Replacement Filters

        - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- JIC Items
    - Requested PSA on the radio. Media has been approved and working with MAB.
    - Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
    - A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
        - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
        - JIC moving tomorrow to Flint.

<u>Local Emergency Operations Center</u>

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

<u>Fire Station Inventory Levels:</u>

Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up replacement filters from Home Depot and deliver.

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.
- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.
- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.
- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving

them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information ... I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.
- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.
- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.
    - Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
    - Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
    - GIS maps will provide guidance on deployment locations for these teams and other teams in the field.
- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

<u>MSP/EMHSD GIS Section Updates</u>

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.
- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

<u>Local Emergency Operations Center</u>

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
    - Logistical activities to support church operations.
    - Logistical activities to support fire stations operations.
    - Coordinate Donations Management activities and draft donations management plan
    - Coordinate Volunteer Management activities
    - Identify local storage/staging facilities
    - Overall inventory tracking
    - Tracking of Points of Distribution (PODs)

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

- DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
- 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
- Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.

- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
  - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
  - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.
- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.
- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:

Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content

- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**
- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**
        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination,**

command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.

- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
  1. Activate the State Recovery Task Force (SRTF).
  2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
  3. Obtain and maintain situational awareness and common operating picture of all activities.
  4. Establish SEOC operational period and hours of operations.
  5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
  6. Develop a comprehensive GIS strategy.
  7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
  8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
  9. Provide technical assistance to the local Damage Assessment process.
  10. Establish a Joint Information Center (JIC) and develop a public information strategy.
  11. Monitor MI CIMS for resource requests and address as appropriate.
  12. Establish and disseminate cost center information for the incident.
- Additional tasks include:
  - Determine what federal agencies are already involved and their status
  - Identify potential water supplies
  - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
  - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
  - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC
- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
  - Water Pipeline Locations
  - Filter Distribution Locations
  - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
  - Affected School Locations
  - Predictive analysis of blood lead levels for affected area
  - Updated Parcels
  - Demographics
  - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/26/2016 08:00:00
Operational Period End:	02/02/2016 08:00:00
Situation Report No.	24
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/29/2016 08:00:00
SEOC Hours of Operation End:	01/29/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 29, 2016):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Resources.
- Public information control.

Logistics:
- *Continued researching warehouse options for donations management.*
- Coordinated Niagara water donation delivery times/dates.

o We will be receiving 25.5 semi-trailers (30,000 cases) of water.

- Sat in on National VOAD Donations Management call.
- Coordinated staffing for SEOC and LEOC for 2/1-7/16
- Fielded resource requests.
- Fielded rapid response requests in coordination with Local EOC logistics.
- Worked with warehouse to send temporary donation's for the weekend to the LEOC established staging area.
- *Attended the daily FEMA Logistics conference call.*
- Attended the donations management team calls.
- Fielded Governor's office requests.

JIC:

- Coordinated with Genesee County Emergency Operations Center and State Emergency Operations Center regarding concerns from undocumented workers and English as second language speakers, including fielding a phone call from the Mexican Consulate in Detroit. Efforts are underway to reach out to these communities and to translate more materials for publication.
- Press release #22 went out about the effort to identify the location of lead pipes and other components of Flint's water infrastructure mapping infrastructure to locate lead pipes.
- Press release #23 went out today concerning bathing in water, number of homes visited, and the Governors announcement of a comprehensive plan for flint.

Recovery Branch:
- Attended Local Brief, SEOC State Agency Briefing Meeting, Distribution Process Meeting, and Community Partners Meeting (Briggs).
- Worked with GIS to develop an area map and spreadsheet with addresses based on data specified as "follow up required "for Red Cross teams.
- *Compiled a list of apartment buildings to send out water resource team.*
- City Sections Visited Today: 2, 3, 9, 10, 11, 17, 19, 20, 23 and 28.
- City Sections Scheduled Tomorrow": 28, 29, 30, 31 as primary and 27, 17 and 11 as secondary.
- 10 American Red Cross Teams scheduled for Saturday, January 30th.

o Data is for 1/29/16 as of 5:00 pm:
o Total homes visited.
- 7,658 (round 3 total).
- 924 (today).

o Water Cases:
- 4,832 (round 3 total).
- 819 (today).

o Replacement Cartridges:
- 815 (round 3 total).
- 78 (today).

o Faucet Filters:
- 4,222 (round 3 total).
- 936 (today).

Planning Section:
- Published Sit Rep #24.
- Developed SBA loan request letter.
- Worked on incident time line for Governor's office.

• Developed timeline for incident resource tracking.
• Participated in local EOC, SEOC state agency, and distribution process conference call.

Operations Section:
o 43 event based volunteers active on the operation today.
o 57 ARC volunteers active on the operation today.
o Facilitated state agency and local briefing calls.
o Warehouse Numbers as of 1800:
❑Water (liters):
• 226,748.
❑Filters (faucet):
• 51,743.
❑Replacement cartridges:
• 361,970.
❑Test Kits (prepped):
• 19,359.
❑Test kits (un-prepped):
• 0 (all supplies out to ARC for assembly).
o PODs (1700 1/28 – 1600 1/29):
❑Water (cases):
• 8,731.
❑ Filters (faucet):
• 363.
❑ Replacement Cartridges:
• 640.
❑ Filters (pitcher):
• 0 (no longer being distributed at PODs).
❑ Test kits:
• 294.

Finance Section:
• Contacted State EMC for the Department of Insurance and Financial Services after receiving a request for information from the American Red Cross (ARC) concerning a volunteer who was injured working at the warehouse in Flint.
• Discussions with MSP Departmental Services Division Director to coordinate meetings with State Budget Office to develop template for consistent cost reporting for all state agencies.
• Review current cost data from state agencies that have submitted information.
• Review requirements for using donations toward required 25% state match.

GIS Branch Updates:
• Continued refinement of data.
• Prepared statistics from field team activities for HHS.
• Updated Water Test Kits Mapping.
• Worked to get GIS technology back online in new SEOC.
• Began updating per day statistics for governor's metrics.
• Began analysis of lead parcels against field team data and water test kit data (ongoing).

DTMB:
• Continued to provide translation of water documents and printing for water related documents.
• Performed a walk through with FEMA personnel to discuss the evacuation maps for the SEOC, GOB and Flint State Office Building.
• 151 tablets provided to the Flint Water Response Teams will begin demobilizing and returned to Lansing on Thursday. Genesee County has requested 25 tablets remain with their employees until no longer needed.

DHHS-CH:
• Participated in conference call with various state agencies, MDHHS Environmental Health, CHECC, JIC, MDARD, MDE, MDEQ, FEMA, SEOC Incident Command, and EPA PIO.
o Discussed consistent and understandable messaging related to water test results.
• Received communication from SAMHSA that they will be sending staff to Lansing on Monday.

DEQ:
• Worked with Michigan Department of Corrections to continue support of sample transport from collection sites to the DEQ Laboratory through February 15, 2016.
• Established procedure for participation of SEOC DEQ Representative in DEQ Emergency Coordination Center Planning Meeting.
• Mapping of lead service line completed by DNR GIS.

Local EOC Update:
• Attended long-term recovery planning meeting with MSP/EMHSD, FEMA and community leaders.
• Planning for transition of operational control to local level.
• Planning for demobilization of MSP/EMHSD support staff.
• Coordinating distribution of Spanish-language water sample forms to affected populations.
• Identifying and securing additional warehouse space.
• Refining rapid response process and coordinating rapid response deliveries to special locations.
• Continuing to coordinate vehicle and technology demobilization.
• Implementing the recycling program with the Community Recycling Coalition.
• Coordinating in-kind and monetary donations through Michigan Community Service Commission.
• Coordinating volunteer management with Michigan Community Service Commission, ARC, and other VOADs.

Incident Response/Recovery Priorities/Objectives

(Objectives are in order of priority with original objective number attached)

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
7. Gather, analyze, and disseminate GIS data to develop products for future planning.

10. Collaborate with local and volunteer agency partners to solidify the Flint Water Operations Plan.
3. Improve and maintain the public information strategy and process.
8. Maintain coordination between partner agencies and organizations to include FEMA IMAT and the FWCC
4. Develop a long term public health and services plan.
6. Develop an overview of possible assistance programs.
9. Enhance situational awareness and common operating picture of all activities.
5. Continue to maintain adequate staffing to support operational requirements.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Declaration of Emergency for Michigan Contaminated Water (EM-3375), 1/16/2016

Weather Conditions

Watches/Warnings

Upcoming Forecast

Forecast Update for Flint, MI - January 29

- Quiet weather today (January 29) into Saturday (January 30) with a rain showers Sunday (January 31).
- Milder temperatures this weekend with high temperatures in the mid-40s Saturday (January 30) and 45 to 50 on Sunday (January 31).

Tuesday (February 2) and Tuesday night looking like it could be a very rainy, wet stretch in the Flint area. Some portions of Michigan, especially northern lower and southwest lower could see significant snow and maybe some sleet and freezing rain with travel impacts and power outages possible. Flint area right now looks like mostly rain, but the forecast could change to include snow, sleet freezing rain for Tuesday and Tuesday night.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSia

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was expected to be operational in Flint from 8 a.m. to 8 p.m. on Jan. 29. The JIC was operational until 8:30 p.m. on Jan. 28.

State agencies at the JIC included the Michigan State Police, Michigan State Housing Development Authority, Michigan Economic Development Corporation and Departments of Agriculture & Rural Development, Environmental Quality, Health and Human Services, Licensing and Regulatory Affairs, Technology, Management and Budget, Treasury and Military and Veterans Affairs. The Genesee County Sheriff's Office, FEMA, and the American Red Cross were also present.

Tasks accomplished:

• Media hotline staff answered more than 20 emails and phone calls ranging from identification requirements at water resource sites to bathing in Flint water.

• Key agency PIOs fielded multiple news inquiries throughout the day, including conducting or scheduling interviews with the Detroit News, Detroit Free Press, Weather Channel, ABC 12, and The 74 (the74million.org).

• Added a distress line logo to the Flint Water website.

• Sent News Release about the effort to identify the location of lead pipes and other components of Flint's water infrastructure mapping infrastructure to locate lead pipes at 3:50 p.m.

• Added infographic from Genesee County Community Health to the resources section of Flint Water website

• Created a media monitoring report and looked for information requiring correction.

• Updated internal talking points about the ongoing Flint water emergency.

• Continued routing public information materials for approval, including communications from MDE, MDHHS and MDARD.

• JIC is planning to issue the nightly activity news release around 7 p.m.

• Working on revising the water donation guidelines flyer due to overwhelming demand of water donations.

• Continued adding individuals to staff the Flint JIC for the next two weeks.

• Coordinated with Genesee County Emergency Operations Center and State Emergency Operations Center regarding concerns from undocumented workers and English as second language speakers, including fielding a phone call from the Mexican Consulate in Detroit. Efforts are underway to reach out to these communities and to translate more materials for publication.

• Worked with Snopes.com to dispel Internet rumors.

Agriculture and Rural Development (MDARD)

Thursday, Jan 29th -
MDARD completed five additional assessments today and one follow up visit due to elevated water sample results. We collected 11 additional samples. Food businesses are being notified of their results with follow up inspections being planned for any results above "not detected". The 1 remaining business in the high risk area that hadn't been sampled was visited today but was closed; we will verify again next week.
MDARD organized a call on animals and pets with approximately 15 organizations/entities including MI-DHHS, MSU College of Veterinary Medicine, MSU Diagnostic Center, USDA, and local, state, and national organizations involved in animal care. Planning is underway on potential sampling and treatment steps for impacted pets. Genesee Animal Control reported that they do not need any additional water donations. Additional calls are planned for next week.
MDARD is coordinating with MSU Extension and Genesee County Conservation District on outreach and information needs to work with urban agriculture and home gardeners. FYI - Genesee County Conservation District, USDA-Natural Resources Conservation Serviced and others are planning a press conference on Monday Feb 8th at 11am at the Flint Farmers' Market about using hoop houses for growing produce.

American Red Cross (ARC)

The American Red Cross deployed and supported 10 Water Response Teams on Friday. We expect to have 10 teams available tomorrow as well.
The Volunteer Reception Center (VRC) was in full operation today. The VRC is scheduled to be open from 9am to 7pm today. The weekend schedule is 9am to 3pm.
We completed assembly of 7,800 water test kits today.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC entities.

* Forwarded non-profit list of advocates to VAL for consideration/inclusion in local advocates collaborative on resources/recovery effort

* Following call with Law & Policy Director, updated SEOC-JIC on internal discussions re: ASL materials and release of same

* Forwarded proposed draft email/social media release to MDCR-Communications for JIC review for engaging community groups/MDCR stakeholders in messaging and engaging new www.flintvolunteer.com website. Per ARC, website is still under development

* Advocates from "Community Organizations of Southwest Detroit" to assemble supplies and donations for Flint. There are plans for them to meet at 12 Noon on 30 Jan at DHDC to collaborate and head to Flint.

Community Health (MDCH)

The CHECC remains activated at a level 2 with communications being coordinated between GCHD EPC, Federal Coordinating Officers, MDHHS Leadership and the SEOC.

Participated in conference call with various state agencies, MDHHS Environmental Health, CHECC, JIC, MDARD, MDE, MDEQ, FEMA, SEOC Incident Command, and EPA PIO. Discussed consistent and understandable messaging related to water test results. This conversation will continue during UCG calls.

Received communication from SAMHSA that they will be sending staff, Commander Jamie Seligman, to Lansing on Monday. An eight person Disaster Behavioral Health team from SAMHSA was requested and has also been approved to be sent to Michigan.

Corrections (MDOC)

We continued to streamline operations at the warehouse to assure that PODs are well supplied. We will continue to keep trucks dedicated to delivering to individual PODs and have Rapid Responses ready for any POD that gets to a critical level of supplies.

332 Water Samples were collected and delivered to the DEQ Lab in Lansing.

2 Semi-Tuck and Trailers were on-site and loaded today at the warehouse in preparation for tomorrow's large scale volunteer event with Red Cross.

7800 assembled water test kits were picked up from Red Cross and delivered to the warehouse.

4 boxes of door hangers and 4 ID cards were delivered to Flint for DTMB.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:

Participated in the Unified Coordinating Group conference call.

Coordinated and facilitated conference call with partner agencies to discuss coordinated messaging.

Provided statistics on most recently available sample analysis data.

Creation and web posting of Summary of DEQ Actions in Response to EPA Emergency Order" and Talking Points.

Continue to clarify and provide consistent messaging.

Establishment of glide path for team members and replacements.

Coordinated GIS data, provided data for Director briefing with local officials and media.

Human Services (MDHS)

Two Genesee Co MDHHS offices continue to be points of distribution for filtration devices.

CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

-Updated the LARA Executive Team

-Joe Madziar and Andy Nueman were able to complete a material list for Brownell Elementary School.

-Alesha Gensler spoke with Tony Sitko, with Flint Community Schools, and coordinated availability of schools for Saturday (Jan. 30) to continue gathering information for material lists.

-LARA reached out to Mark Bouvy, Administrative Manager with the Michigan School for the Deaf (MSD), to see when he expects construction to be complete at MSD. The landlord of the building where the school is located had decided to go ahead and replace all the faucets on their own. After construction is complete, LARA will coordinate with DEQ to complete the water testing at the facility. Mark is out of the office until Monday, Feb. 1.

Military and Veterans Affairs (DMVA)

Commanders Situation Report (SITREP)

1. DTG: 2813002016

2. UNIT: Points of Distribution (PODs), TF FLINT (1-125 IN)

3. POC:1LT Roland, John G. Cell: Email: john.g.roland2.mil@mail.mil.com

4. PRESENT LOCATION: Genesee County Local EOC, 1101 Beach St., Flint, MI, 48502

5. SITUATION OVERVIEW: 1-125 IN has 65 Soldiers deployed to the Flint Water Crisis in support of Distribution Operations at the Points of Distributions (PODs).Daily operations consist of receiving, tracking, and issuing out water, filters, replacement filters, and water test kits.

6. OWN SITUATION DISPOSITION /STATUS: Currently 1-125 IN has Soldiers on ground supporting the mission.

7. OPERATIONS: Operations for the next 24 hours are to sustain water/filter distributions throughout the 5 designated fire stations and track all distribution incoming and outgoing through the PODs.

a. LT Benke met with local city engineering yesterday in response to traffic signs at the PODs.

1.) Workers from the City of Flint determined that they do not have the capabilities to support the road sign warnings. Local EOC is working through the Genesee County Road Commission IOT have traffic signs placed at the requested PODs.

b. Unknown if Flint City Electricians assessed lighting around the outside areas of the PODs IOT fix lighting issues.

8. PERSONNEL: Soldiers are currently assigned to the POD operations. Soldiers are assigned in five teams at Fire Stations 1, 3, 5, 6 and 8.

9. INTELLIGENCE / FORCE PROTECTION: No force threats have been identified.

10. LOGISTICS: Every POD has at least one fully functional pallet jack and dolly/handcart.

11. COMMUNICATIONS: No communications issues at this time.

P: 800 MHz radios issued to PODs and WRTs.
A: RRF cell phones alternate for WRTs.
C: Personal cell phone
E: Runner

12. NARRATIVE: N/A

13. COMMANDER'S EVALUATION:
• POD operations are still functioning well. We are trying to improve the efficiency, professional appearance, and long-term establishment of the POD's, but, overall the POD's operations are remaining successful.
• Recycling has been implemented at PODs 1, 5, and 8. A small amount of recycling has been.
• Consolidated Station Report OUT (last 24 hours)
Bottled water-5559 Water (Gallons)-1317 Lead Testing Kits-388
Pitcher (23 cup)-550 Brita Faucet Filter-216 Brita Replacement Cartridge-352
Pur Filter-250 Pur Replacement Filter-444

National Weather Service (NWS)

NWS Detroit providing morning SEOC brief and Activity Log posts. Jim Maczko from NWS Grand Rapids will be the contact point for any changes in NWS Support and will also continue to update the Sit Rep Executive Summary as needed.

Participation in afternoon SEOC briefings is planned only if significant changes in the forecast occur.

Natural Resources (MDNR)

MDNR LED continues to support its QOL partners with staffing at the SEOC.

Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging (VAAA) continues to receive phone calls from concerned seniors in Flint and continues to make referrals to the Genesee Co. EOC for water and filter follow-up.

VAAA's local Nursing Home Ombudsman continues to monitor Flint area Nursing Homes to ensure residents have access to safe water.

Contact info for VAAA Executive Director is:
Kathryn C. Boles
President, CEO
Valley Area Agency on Aging
225 E. Fifth Street, Suite 200
Flint, MI 48502
(810) 239-7671
(810) 239-8869 fax

State Police (MSP)

10 Red Cross Teams completed WRT duties, homes continue to be visited. MDOC continues to staff the warehouse, and the Michigan National Guard staffed 5 distribution PODS.

The yber trained personnel from MING who were called upon to support Michigan State Police, Michigan Cyber Command Center at the MC3 located on the 3rd Floor of State Police Headquarters reported to Headquarters on 1/22/16. MING personnel are currently on stand-by and will be called upon when needed.

The MSP position within the SEOC will be staffed at MSP Operations at HQ. All e-mails to MSP-EOC-MDSP@michigan.gov are being forwarded to the Operations Lt. The phone number for the on duty Operations Lieutenant is 517-241-8000

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

Continue to provide DTMB management with daily updates and resource requests received.

DTMB Print & Graphic Services continues to provide translation of water documents and printing for water related documents.
151 tablets provided to the Flint Water Response Teams will begin demobilizing and return to Lansing on Thursday. Genesee County has requested 25 tablets remain with their employees until no longer needed.
Continue to provide server monitoring of MiCIMS servers and analyzing slow internet service at the Joint Information Center in the Flint State office Building.
Performed a walk through with FEMA personnel to discuss the evacuation maps for the SEOC, GOB and Flint State Office Building.
Provided IT assistance for printer setup at the Clio Rd. Warehouse and the JIC in the Flint State Office Building.
Provided access cards and access to employees at the JIC and for Federal partners.
Providing a laptop with dual monitors and a printer for DEQ employee in Constitution Hall. Will be installed by COB Monday dual monitors and laptop installed at Constitution Hall.

Transportation (MDOT)

MDOT is providing traffic measures at Fire Station #6 on Pierson Rd. and Fire Station #3 on Martin Luther King Blvd:
-4 portable changeable message boards (2 each site).
-100 grabber traffic cones (narrow reflective cones) (50 each site)

MDOT continues to maintain situational awareness and respond to issues regarding equipment and road conditions.

Incident Related Images

Higgins, Lori (MSP)

From:	Kelenske, Chris (MSP)
Sent:	Saturday, January 30, 2016 9:09 PM
To:	Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Snyder, Rick (GOV); Calley, Brian (GOV); Creagh, Keith (DEQ); Lyon, Nick (DHHS)
Cc:	Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)
Subject:	SEOC Update 1/30/16 - Flint Water - Limited Distribution
Attachments:	20160130_Lead_Residents_Sampled_Results.pdf; 20160130 _Copper_Residents_Sampled_Results_Lead.pdf; 2015-10-01 City of Flint Water Contamination-Shortage SitRep 25 2016-01-....pdf

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Update 1/30/16 – 26th Day (25th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Finalize SBA application

Attached Documents:

- Sit Rep # 25
- Lead Residents Sampled Results
- Copper Residents Sampled Results

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Deployed SEOC liaison to UCG.
- Worked with GIS to map and analyze City of Flint apartment buildings to send out water resource teams.
- Coordinated the posting of the Food and Nutrition Service response to Michigan's request to increase the access and availability of WIC benefits and services on the www.mi.gov/FlintWater site.

- Information reported to the JIC:
  - As of 1/30/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Total	Targeted Canvassing Mission 1/30/2016
30,770	37,844	9,026	1,368

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	227,188
b. Filters	99,969
c. Filter cartridges	203,932
d. Test kits	31,512

3. Resources purchased:
   a. Cases of water 2,481,324 Liters (additional 879,400 Liters donated)
   b. Filters 164,616
   c. Filter Cartridges 376,903
   d. Test kits 62,701
4. Teams going out tomorrow:
   a. 10 American Red Cross Teams scheduled for Sunday, January 31, 2016.

Standing Information Requirements

1. **Number of homes visited each day:**
   a. 1/30/16, as of 5 pm, 1,368 homes were visited today.
2. **Total number of homes visited:**
   a. Targeted Canvassing Mission: 9,026
3. **Total number of National Guard on the ground:**
   a.
4. **Total Number of Volunteers each day:**
   a. 792 volunteers on 1/30/2016.
5. **Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,831	27,956
Active residential water subscribers	29,994	22,229

6. **Number of Water filters distributed (each day and to date):**
   a. 706 were distributed on 1/30/2016, and total distributed to date is 99,347.
7. **Cases of Bottle water distributed (each day and to date):**
   a. 6,337 were distributed on 1/30/2016, and total distributed to date is 222,942.
8. **Number of testing kits distributed (each day and to date):**
   a. 65 were distributed on 1/30/2016, and total distributed to date is 31,176.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
   a. Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351
      *this data will not be updated again until Tuesday.
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
       i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
       ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
       iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22

*This data will not be updated again until Tuesday

11. **Number of homes with safe drinking water:**
    a. 4,084 water samples out of 4,351 sampled through **January 29, 2016** are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

**Per DEQ, numbers were not available tonight but will be provided tomorrow.

Local EOC

- Coordinated short-term resource needs of incoming volunteer groups.
- Addressing public concerns regarding filter efficiency.
- Addressing concerns regarding rapid response delivery system.
- Planning for transition of operational control to local level.
- Planning for demobilization of MSP/EMHSD support staff at Genesee County EOC.
- Attended conference call with Michigan Community Service Commission regarding long-term volunteer management plan.
- Refined 211 data entry and record keeping process.
- Provided EPA with 50 "Flint Water Response Team" badges and lanyards to wear when they are working in the community.
- EPA advised they deployed two sampling teams to work on sequential sampling and a filter pilot through Monday, February 1, 2016.
    - The filter pilot was described as collection of a sample from an unfiltered tap, followed by collection from a filtered tap, installation of a new filter, and collection of a sample through the newly installed filter. They have identified 30 homes for this 3 day effort.

Chris

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Update 1/29/16 – 25th Day (24th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Draft data documents for Governor's team for dashboards.
- Draft timeline of events.
- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations and work to increase warehouse locations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Sit Rep # 24

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- MSP EMHSD Operations Chief in the Local EOC will be shifted to the Unified Coordination Group (Federal Agencies) to provide connection to SEOC.
    - Local EOC to take a more active role in command and control at the local level.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Recovery compiled a list of apartment buildings to send out to water response teams.
- SEOC Logistics coordinated Niagara water donation delivery times/dates of 25.5 semi-trailers.
- SEOC Logistics Worked with warehouse to send temporary donation's for the weekend to the LEOC established staging area.
- JIC coordinated with Genesee County Emergency Operations Center and State Emergency Operations Center regarding concerns from undocumented workers and English as second language speakers, including fielding a phone call from the Mexican Consulate in Detroit. Efforts are underway to reach out to these communities and to translate more materials for publication.
- Planning developed SBA loan request letter.
- GIS continued refinement of data.
- Information reported to the JIC:
    - As of 1/29/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Total	Targeted Canvassing Mission 1/29/2016
30,770	37,844	7,658	924

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	216,605
b. Filters	98,641
c. Filter cartridges	202,566
d. Test kits	31,111

3. Resources purchased:
    a. Cases of water 2,151,444 Liters (additional 715,404 Liters donated)
    b. Filters 162,536
    c. Filter Cartridges 376,903
    d. Test kits 62,701
4. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

aStanding Information Requirements

1. **Number of homes visited each day:**
    a. 1/29/16, as of 5 pm, 924 homes were visited today.
2. ***Total number of homes visited:***
    a. Targeted Canvassing Mission: 7,658
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command Cell
        iii. Cyber Mission:
        iv. Joint Forces Headquarters:

4. **Total Number of Volunteers each day:**
    a. 100 volunteers on 1/29/2016.
5. **Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,831	27,855
Active residential water subscribers	26,673	22,158

6. **Number of Water filters distributed (each day and to date):**
    a. 1,218 were distributed on 1/29/2016, and total distributed to date is 98,641.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 7,458 were distributed on 1/29/2016, and total distributed to date is 216,605.
8. **Number of testing kits distributed (each day and to date):**
    a. 221were distributed on 1/29/2016, and total distributed to date is 31,111.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351
    *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. 4,084 water samples out of 4,351 sampled through January 29, 2016 are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

- Attended long-term recovery planning meeting with MSP/EMHSD, FEMA and community leaders.
- Planning for transition of operational control to local level.
- Planning for demobilization of MSP/EMHSD support staff.
- Coordinating distribution of Spanish-language water sample forms to affected populations.
- Identifying and securing additional warehouse space.
- Refining rapid response process and coordinating rapid response deliveries to special locations.
- Continuing to coordinate vehicle and technology demobilization.
- Implementing the recycling program with the Community Recycling Coalition.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC, and other VOADs.

Chris

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Update 1/28/16 – 24th Day (23rd Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.

- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Sit Rep # 23
- Maps:
  - Parcel Contact Status, includes data as of 5 pm today. (Provide earlier by GIS)
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today. (Provide earlier by GIS)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- We continue to send ARC teams to targeted areas potentially missed.
- Collins Road SEOC will be shutdown. New SEOC at 7150 Harris Drive in Windsor Township (former GOB) will be activated for SEOC staff only. All EMHSD admin personnel will start at the new facility on Monday.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- MSP HQ staff completed data entry on all ARC paper copies.
- Recovery Staff attended local Community Partners Meeting.
- Recovery Branch worked with GIS to develop an area map and spreadsheet with addresses based on data specified as "follow up required "for Red Cross teams.
- SEOC Logistics researched possible warehouse options with the local EOC, FEMA and General Motors.
- We have a corporate owned (originally thought to be a franchise owned) Kroger that is no longer in business near Fire Station 6. Looking to get a lower cost for potentially use.
- Received an inquiry regarding potential scams being perpetrated on residents of Flint. This information was referred to the Attorney General's office for a possible news release and further action.
- Issued a media advisory and coordinated a press conference about recycling with Lt. Gov. Brian Calley at noon at Fire Station #1. Used social media to promote the event as it occurred.
- SEOC Operations coordinated water pitcher request for vulnerable population.
- Information reported to the JIC:
  - As of 1/28/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Total	Targeted Canvassing Mission 1/28/2016
30,770	37,844	6,734	1,768

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	207,055
b. Filters	97,342
c. Filter cartridges	201,848
d. Test kits	30,801

3. Resources purchased:
    a. Cases of water 1,980,504 Liters (additional 517,152 Liters donated)
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
4. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

New Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/28/16, as of 5 pm, 1,768 homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: 6,734
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command Cell:
        iii. Cyber Mission:
        iv. Joint Forces Headquarters:
4. ***Total Number of Volunteers each day:***
    a. 125 volunteers for 1/28/2016.
5. **Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,238	25,221
Active residential water subscribers	26,673	20,788

6. **Number of Water filters distributed (each day and to date):**
    a. 1,806 were distributed on 1/28/2016, and total distributed to date is 97,342.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 8,428 were distributed on 1/28/2016, and total distributed to date is 207,055.
8. **Number of testing kits distributed (each day and to date):**
    a. 466 were distributed on 1/28/2016, and total distributed to date is 30,801.
9. ***Number of people tested for elevated blood levels (kids, adults, total):***
    a. Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351

    *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. **Number of homes with safe drinking water:**
    a. 3,726 water samples out of 3,972 sampled through January 28, 2016 are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

- Planning for transition of operational control to local level.
- Discussed transition and demobilization of EOC support team with SEOC staff, Genesee County Sheriff's Office and Genesee County Emergency Management & Homeland Security.
- Identifying and securing additional warehouse space.
- Implementing recycling program. Promoted program at a press conference with Lt. Gov. Calley.

- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC and other VOADs.
- Continuously addressing public concerns over perceived fraud through door-to-door teams.

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/27/16 – 23th Day (22nd Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Sit Rep 22
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today. (Provided earlier by GIS)
        - The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today. (Provided earlier by GIS)
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
    - ARC teams are targeting the homes we show that were not visited.
- Information provided to the Governor's Office (Paul Smith) for an extension to the Governor's Declaration of an Emergency. This has to be approved by both houses of the legislature. The extension will put us on the same timeline as FEMA's declaration.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Recovery Branch compiled a list of targets for apartment complexes. Once plan is in place, a team will go to each complex and verify all tenants have been given or have a water filter. Once outreach has taken place for each complex, GIS will manually mark entire parcel as complete.
- SEOC Logistics worked with the Michigan Community Service Commission on donations management and volunteers
- GIS coordinated with DNR and DEQ to establish timelines for lead mapping and strategize updates of lead statuses based on plumber activities.

- GIS coordinated with DTMB/CSS to meet with local GIS staff to review city GIS infrastructure and provide recommendations on future asset management.
- Planning and Financial provide information for Senate Appropriations Committee meeting this afternoon.
- Financial Reviewed donations as match guidelines for required 25% federal match.
- Information reported to the JIC:
    - As of 1/27/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Total	Targeted Canvassing Mission 1/27/2016
30,770	37,844	4,966	1,020

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	196,456
b. Filters	95,417
c. Filter cartridges	200,654
d. Test kits	30,255

3. Resources purchased*:
    a. *Cases of water 165,042 (additional 32,234 donated)*
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
4. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/27/16, as of 5 pm, 1,020 homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: 4,966
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command Cell:
        iii. Cyber Mission:
        iv. Joint Forces Headquarters:
4. **Total Number of Volunteers each day:**
    a. 109 volunteers for 1/27/2016.
5. ***Number of homes with filters:**

	Total Number	Number with filters
Residential parcels	38,238	22,939
Active residential water subscribers	26,673	19,677

6. **Number of Water filters distributed (each day and to date):**
    a. 971 were distributed on 1/27/2016, and total distributed to date is 95,417.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 7,592 were distributed on 1/27/2016, and total distributed to date is 196,456.

8. **Number of testing kits distributed (each day and to date):**
    a. *341 were distributed on 1/27/2016, and total distributed to date is 30,255.*
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People Tested for Lead 10/1/2015 to 1/22/2016: *3,351
    *this data is updated bi-weekly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. *Per CHECC: These numbers are only updated bi-weekly*
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
11. **Number of homes with safe drinking water:**
    a. 2,991 homes, per data from September 3, 2015 to January 27, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.
    *This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

GIS Information

AS OF **1/27/2016** AT 5 p.m. USING DATA FROM FLINT WATER RESPONSE TEAMS, POD DISTRIBUTIONS, AND GENESEE COUNTY HEALTH DISTRIBUTION DATA.

NOTE: PLEASE REMEMBER THAT PAPER DATA AND DATA ENTRY FROM PREVIOUS DAYS CONTINUES TO COME IN AND WILL BE INCLUDED IN THE TOTALS AS IT IS RECEIVED.

We are tracking **38,238** residential parcels that the City of Flint has identified as non-vacant (including Franchise). Of those:

- **34,849 (91%)** of the parcels have been engaged (e.g. face to face, left an information card, etc.) as part of response efforts
- **22,939 (60%)** of the parcels have been confirmed to have some form of filter
- ***10,723 (28%)** of the parcels have volunteered for water testing sites*
- **4,918 (13%)** of the parcels have not had personal contact (not home or did not visit a POD)

We are also tracking that there are 29,994 active water subscribers (metered service lines) in the city. When consolidated down and filtering out only residential there are **26,673** residential parcels that have the ability to use the *Flint Water System. Of these*

- **25,457 (95%)** of the parcels have been engaged as part of response efforts
- **19,677 (74%)** of the parcels have been confirmed have some form of filter
- **9,561 (36%)** of the parcels have volunteered for water testing
- ***3,718 (14%)** of the parcels have not had personal contact (not home or did not visit a POD)*

Local EOC

- Planning for transition of operational control to local level.
- Identifying and securing additional warehouse space for donations management.
- Coordinating rapid response deliveries to identified locations.
- Coordinating demobilization of vehicles and technology.
- Working to implement recycling program. Press conference scheduled for 01/28/2016.
- Coordinating in-kind and monetary donations through Michigan Community Service Commission.
- Coordinating volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

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Update 1/26/16 – 22th Day (21th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas.

Attached Documents:

- Sit Rep # 21
- Maps:
  - Parcel Contact Status, includes data as of 5 pm today.
    - The first one indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
    - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- Press conference to be held in Flint with the Governor, Mayor and some state agency personnel.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- We have taken a significant number of paper records from the ARC WRTs so we can get the data entered into our system. MSP HQ staff has been pulled to the SEOC for data entry. These are a portion of the records the ARC had as they were not using the door to door App as directed. This data will further clarify areas covered/not covered by any teams.
- The WRTs are going to "targeted" locations where we are showing residences not contacted.
- We are working on identifying any multi-unit housing to ensure all have filters (e.g. apartment buildings). Some have been taken care of but we are ensuring these locations are not missed.
- Information reported to the JIC:
  - As of 1/26/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvass MissionTotal	Targeted Canvassing Mission 1/26/2016
30,770	37,844	**3,946**	1,350.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	186,309
b. Filters	94,301
c. Filter cartridges	199,489
d. Test kits	29,841

3. Total number of customers on the Flint water system
    a. 29,994 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
    a. Cases of water 146,142 (additional 26,834 donated to the state warehouse and does not include other locations like GCCARD/Food Banks, Churches, etc.)
    b. Filters 154,052
    c. Filter Cartridges 299,508
    d. Test kits 62,701
5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/26/16, as of 5 pm, **1,350** homes were visited today.
2. **Total number of homes visited:**
    a. Targeted Canvassing Mission: **3,946**
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. *Command Cell:*
        iii. Cyber Mission:
4. **Total Number of Volunteers each day:**
    a. 98 volunteers for 1/26/2016.
5. ***Number of homes with filters:**
    a. 18,487 homes had filters, per entered GIS data as of 1/25/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 1,091 were distributed on 1/26/2016, and total distributed to date is 94,301.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 7,862 were distributed on 1/26/2016, and total distributed to date is 186,309.
8. **Number of testing kits distributed (each day and to date):**
    a. 403 were distributed on 1/26/2016, and total distributed to date is 29,841.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642;**
    *this data is updated bi-monthly
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
        *this data is updated bi-monthly
11. **Number of homes with safe drinking water:**

a. **1,099** homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

*This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

- Delivered iPads to warehouse and provided on-site training to drivers, followed with written instructions.
- Facilitated recycling planning meeting and planned for implementation of the program.
- *Attended local "Pastors and Police" meeting to coordinate water distribution plan with faith-based organizations.*
- Planning for a transition of operational control to local level.
- Coordinated the incoming donations of water and filters through the Michigan Community Service Commission.
- Coordinated volunteer management with Michigan Community Service Commission, ARC and other VOADs.

Chris

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Update 1/25/16 – 21th Day (20th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- *Continue door to door/Flint Water Response Teams (FWRTs), ARC only.*
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- *Validate all data from the WRTs/PODs and identify focus areas*

Attached Documents:

- Sit Rep # 20
- Michigan Department of Health and Human Services Situation Report for January 20, 2016
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first map indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - *The second map indicates the status of residents that have or have not received a filter.*

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. *We have 30 days to appeal and EMHSD staff is gathering information for the appeal.*

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).

Items to Note

- 11 ARC Flint Water Response Teams to the field today.
- 8 EPA PIOs will be in the JIC tomorrow. The JIC is unaware of the role or expectations at this time.

- *Reference the rash I discussed on the call tonight:*
  - There was one specific complaint about rashes that Community Health personnel plan on working with ATSTD/CDC. DEQ is requesting that EPA collect all appropriate water samples to enable a full analysis of the water at the address (an apartment) for bacterial contamination, and a full metals and organics panel. Lead is not associated with skin rashes, but other contaminants are and DEQ wants to find out what, if any, other contaminants are in the water.
  - It was also discussed that it would be ideal if Community Health can forward to the EPA the other addresses and contact information for which they've received complaints of rashes, so that EPA could also test there for appropriate parameters to see if we can identify a cause.
  - SEOC DEQ desk will continue to monitor and work this issue.
- SEOC OPS, Health, MDEQ SEOC, Logistics participated in conference calls with the Governor's office and private partners on potential alternative filtration systems for schools, daycares, etc.
- Created a form for drivers to track rapid response deliveries.
- Media avail at fire station 8 this morning received positive news coverage.
- The NAACP is holding a public meeting at U of M Flint on Tuesday.
- Rachel Maddow will hold a town hall meeting on Wednesday. MSP Third District Commander advised.
- Developed new Incident Action Plan (#7 published in MICIMS) and ICS 204s for the new operational period (1/26/2015-2/2/2016).
- MDOC assumed all warehousing responsibilities today.
- Reviewed state agency financial information received for update to current spend plan.
- Information reported to the JIC:
  - <u>As of 1/25/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)</u>

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Mission 1/25/2016
30,770	37,844	2,596 – ARC*

*American Red Cross data has not been entered in the app, but is currently being caught up. Starting January 26, 2016, the American Red Cross has been instructed that iPads must be used in the field for data entry in order to clearly capture the homes that have filters.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	176,118
b. Filters	93,048
c. Filter cartridges	198,552
d. Test kits	29,320

3. Total number of customers on the Flint water system
   a. 29,994 current water system subscribers
   b. ~45,000 hookups (This is our high end target #)
   c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
   a. Cases of water 141,982 (additional 24,634 donated)
   b. Filters 124,052
   c. Filter Cartridges 285,586
   d. Test kits 62,701

   * Numbers have not been updated due to the following circumstances:
     - Outstanding donations and inventory at the warehouse which has not been reported to the SEOC. Staff in the SEOC is working with donations management and warehouse to reconcile numbers.

- Outstanding data from GCCARD on deliveries from 1/8-1/12. Staff in the SEOC and local EOC is working with GCCARD to obtain data.
- At the beginning of tracking the planning factor used was 72 cases of water per pallet and 22 pallets per semi-truck. Per bill of lading received from the warehouse today, it has been identified that this assumption is not correct. Staff is working to reconcile numbers.

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/25/16, as of 5 pm, 2,596 homes were visited today.
2. **Total number of homes visited:**
    a. Phase II: 37,844
    b. Targeted Canvassing Mission: 2,596
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**
    a. 135 volunteers for 1/25/2016.
5. ***Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 1,151 were distributed on 1/25/2016, and total distributed to date is 93,048.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 9,514 were distributed on 1/25/2016, and total distributed to date is 176,118.
8. **Number of testing kits distributed (each day and to date):**
    a. 478 were distributed on 1/25/2016, and total distributed to date is 29,320.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642;**
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
11. **Number of homes with safe drinking water:**
    a. 1099 homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

GIS Information

I have had numerous discussions with GIS staff as to getting our data validated and as close to final as possible. We are tracking 38,144 residential properties within the city (noting large apartment complexes are classified as commercial so they are not a part of this). Of these:

- 34,318 have been engaged by Flint Water Response Teams and PODs (90%) - The remaining 10% is going to be a focus for the teams in the near future
- 23,281 have led to a direct citizen engagement (61%)
- 5,173 were not home during any attempt to visit and have not been recorded as having visited a POD (14%)
- 5,864 of the properties the teams visited were vacant or destroyed (15%)

Additionally, we have been tracking the status of "Active Water Subscribers" from the Flint Department of Public Works. These are residential properties which have meters put on the homes by the city. Of the total 29,994 subscribers citywide, 26,673 have been confirmed as being on residential parcels. Of the 26,673:

- 18,487 Have been confirmed as having received a filter by the Flint Water Response Teams or PODs (69%)
- 3,928 Were not home when visited (15%)
- The remaining 16% we have no data to confirm or deny whether they have a filter

Of special significance from the water subscriber data is that the old lead maps that we are digitizing from the Flint Water Department contain 993 suspected homes with lead lines in them. Of these only 659 have received a filter.

It is significant to note that we are continuing to receive paper forms from the field and processing them. The ARC and volunteers were specifically told to use the App and we provided Ipads but tonight I was told this was not being done by everyone which has caused us some lags in data. This is likely improve the overall numbers as we process historic records (ARC had ~7,000 of these records).

It cannot be reiterated enough that data is still coming in and we are still actively cleansing it.

Local EOC

Operations:

- Coordinated with Foodbank of Eastern Michigan for issuing of Resource Request.
- Coordinating and following up on vehicle demobilization.
- Facilitated rapid response deliveries to special locations.
- Finalizing components of recycling program.
- Received authorization to operate bottle collections for recycling at Fire Station 1 and 5 PODs.
- Initiated activities to plan for inclusion of institution sampling (schools, daycares, nursing homes, etc.) in Genesee County EOC IAP.
- Coordinating volunteer management with Michigan Community Service Commission.

Chris

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Update 1/24/16 – 20th Day (19th Full Day) After Governor's Declaration of an Emergency

I have asked state agency SEMCs to archive their SitRep items so you only have current operational period information in the SitRep Agency Summaries. Director Creagh added to daily report.

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs).
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Situation Report # 19

- Maps:
  - Parcel Contact Status, includes data as of 5 pm today.
    - The first one indicates based upon the outreach that has been conducted, which parcels have we had contact with a resident and which parcels have not had any contact with a resident.
  - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
    - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- WRTs with NG personnel are transitioning out. No field teams. NG will continue to staff the PODs.
- Tony Katarsky will be acting SEOC State Director. Capt. Kelenske not in the SEOC - available by phone (in the Holland MI area).

Items to Note

- Deployed , National Guard/state/local teams and 19 ARC Flint Water Response Teams to the field today.
- *JIC was operational with limited staff out of the SEOC today. Co-located JIC in Flint will be back and operational tomorrow.*
- SEOC Logistics worked with MDOC on warehouse management transition.
- Recovery Branch began demobilization of trucks and vans.
- Demobilization of National Guard Water Response Teams will be effective as of Monday, January 25.
- School for the Deaf
  - As of 1/23/16: LARA and DEQ teams on site; water testing complete in school building and LRC dorm. Stevens Hall will be tested when landlord finishes upgrades.
  - As of 1/23/16: all water faucets replaced in Stevens Hall. 3 new drinking fountains on order; expected mid-week. Once fountains are installed, Stevens Hall will be scheduled for water testing.
- SEOC Finance Donations Management team to obtain list of donors and donations for FEMA request.
- SEOC Planning Section worked on burn rate data from FWRT and PODS for FEMA request.
- GIS continued to clean up V2 Dataset (patched approximately 1000 records).
- GIS coordinated with the DEQ to transfer lead service line mapping to their GIS department tomorrow. Wall maps showing known lead service lines based off of geographical locations and zip codes provided for Chief Hagler, SEOC DEQ staff and Director Creagh.
- Out of 37,003 homes visited, 5,660 were not home/did not answer. The number of homes visited is lower than the Phase II number as some duplicate contacts at addresses were eliminated.
- Information reported to the JIC:
  - As of 1/24/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	1/24/2016
30,770	37,844	7,012 National Guard/State/Local 4,132 ARC

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	164,991
b. Filters	91,763
c. Filter cartridges	197,775

d. Test kits	28,763

3. Total number of customers on the Flint water system
    a. 29,944 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 141,982 (additional 24,634 donated)
    b. Filters 124,052
    c. Filter Cartridges 285,586
    d. Test kits 62,701

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Additional Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/24/16, as of 5 pm, 11,144 homes were visited today
2. **Total number of homes visited:**
    a. Phase II: 37,844
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Number on Cyber Mission:
        iii. Number with FWRTs:
        iv. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**
    a. 315 volunteers for 1/24/2016.
5. ***Number of homes with filters:***
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 4,920 were distributed on 1/24/2016, and total distributed to date is 91,763.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 16,125 were distributed on 1/24/2016, and total distributed to date is 164,991.
8. **Number of testing kits distributed (each day and to date):**
    a. 3,177 were distributed on 1/24/2016, and total distributed to date is 28,763.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
11. **Number of homes with safe drinking water:**
    a. 577 homes, per data from September 3, 2015 to January 20, 2016. Note, per MDEQ, this data is from **uncontrolled samples** provided by residents.

*This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

Operations:

- Distribution of supplies at five water resource sites in the City of Flint.

- Door-to-door distribution of supplies with 34 water response teams (19 ARC volunteer teams, 15 MSP/GCSO/NG teams).
- Facilitating rapid response deliveries to homebound residents and special locations by three teams staffed by Team Rubicon, and Lt. de Castro (MSP/EMHSD).
- Improved logistics for rapid response teams by providing transportation and iPads starting on 01/25/2016.
- Coordinated with ARC for distribution of additional iPads for data entry.
- Identified alternative warehouse locations for lose donations.
- Directed volunteer requests to appropriate state agencies.
- Started coordination for resource demobilization.
- Coordinated with 22 churches so they had water, filters, etc. Delivered Saturday. Some advised they were set with supplies. Lt. Roach (MSP District Coordinator will maintain contact with Pastors).

Chris

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Update 1/23/16 – 19h Day (18th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs

Attached Documents:

- SitRep 18

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have National Guard/state/local agency, type 3 teams
- We will have 40 ARC, type 5 teams (2-4 personnel).

Items to Note

- Deployed state/local teams and 40 ARC Flint Water Response Teams to the field today.
- Created a media monitoring report and looked for misinformation. A call was made to WILX to amend their article that implied that the State was not distributing water to undocumented immigrants. The news release was also sent to WILX about how the State is not requiring identification to receive water resources.
- SEOC Logistics worked on future resource planning and a local business commodity supply plan.
- Drafted talking points for Monday's press conference with Governor Snyder, Colonel Etue, and the Mayor.
- Put in place a place to control POD distribution as much as possible. SKU numbers are being lined out on commodities to prevent or minimize returns for cash.
- Information reported to the JIC:

- As of 1/23/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

To Date	1/23/2016
37,943	6,323 National Guard 7,361 ARC

2. Distributed: Includes outstanding data from yesterday- PODs after 5 pm, ARC worksheets and local EOC hotshots

Commodity	Total to Date
a. Number of cases of water	148,866
b. Filters	86,843
c. Filter cartridges	194,622
d. Test kits	25,586

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. ~45,000 hookups (This is our high end target #)
   c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 133,662 (additional 24,634 donated)
   b. Filters 115,700
   c. Filter Cartridges 266,200
   d. Test kits 61,161

5. Teams going out tomorrow:
   a. National Guard State type 3 teams---Goal tomorrow 300 homes per team
   b. *40 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team*

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot/Rapid Response Team process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas. The city identified some but they are just as bad as the current ones.
- Working on finalizing a recycling plan for the incident.
- Lt. Roach sent up the church information to Tom Webber. She also received one church site that will act as a potential church mega site.
- SEOC GIS to provide a layer for the vulnerable populations so that Team Rubicon can get to them and track in the iPad.

New Standing Information Requirements

1. **Number of homes visited each day:**
   a. 1/23/16, As of 5 pm, 13,684 homes were visited today
2. **Total number of homes visited:**
   a. 37,943, does include duplicate counts from the second canvasing
3. **Total number of National Guard on the ground:**
   a.
4. **Total Number of Volunteers each day:**
   a. 310 volunteers for 1/23/2016

5. **Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016,
6. **Number of Water filters distributed (each day and to date):**
    a. 4,156 were distributed on 1/23/2016, and total distributed to date is 86,843
7. **Cases of Bottle water distributed (each day and to date):**
    a. 27,462 were distributed on 1/23/2016, and total distributed to date is 148,866
8. **Number of testing kits distributed (each day and to date):**
    a. 2,171 were distributed on 1/23/2016, and total distributed to date is 25,586
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time until we get the data
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time until we get the data
11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. Unknown at this time

Chris

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Update 1/22/16 – 18h Day (17th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Plan for next phase with MSP and NG personnel
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep # 17
- Briefing provided to the HHS Undersecretary by FEMA (due to time only finished 75%)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- National Guard/State/Local type 3 teams
- 40 ARC (2-4 folks) type 5 teams
- Deliveries going out to all churches on our list we have been working with (21) for Sunday services.
- I will not be in the SEOC Saturday. Tony Katarsky will be the acting SEOC state director. I will be available by phone (wrestling meet).
- Sunday, Lt. Mike Johnson will be acting SEOC state director but I may be in for some of the day.
- Monday I am out on a college visit with my son...I will be available by phone and Tony will again be acting.

Items to Note

- Deployed state/local teams and 15 ARC Flint Water Response Teams to the field today.
- SEOC Operations worked on getting local contact into the JIC along with developing messaging for resources and donations.
- SEOC Planning worked on the further development of long term strategy.
- Recovery branch continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday.
- SEOC logistics worked with FEMA/DHHS on warehouse tracking status/strategy, coordinated resources, and donations management.
- Have had a number of media request concerning resources for immigrants and population less proficient in English. Clarified with a news release that we are not requiring ID but we are asking for addresses to assist with long term recovery. Nobody will be denied resources if they fail to provide us an address.
- Have received numerous inquiries from celebrities on how they can assist and donate.
- We are validating a lot of data but what we have currently is 38,144 parcels in Flint that are not considered "vacant". This does not mean all parcels have a tenant, there are a lot of houses that are empty.
    - 26,673 water subscribers in Flint (not including franchise).
        - Water Subscribers with a Filter = 15,399 (57.7%)
        - Water Subscribers without a Filter = 11,274 (42.2%)
            - With our second pass we are getting more information as to why people do not have a filter. Looking into whether these include homes connected but nobody currently living there. We are refining the data.
    - 11,471 Non-Water Subscribers in Flint.
        - Non Water Subscribers with a Filter = 2,196 (19%)
        - Non Water Subscribers without a Filter = 9,275 (81%)
    - The SEOC Ops Chief has been directed to firm up all numbers with GIS. We have a GIS specialist from FEMA Region V also deployed to the SEOC to assist. ArcGIS has advised us that the amount of data we have collected is more than some major disasters in other states. We are looking into getting their personnel more engaged to ensure we are using all the tools available for analysis.
- SEOC Finance Chief is working on costs to date and all SEMCs were advised to tighten up their records and ensure we have accountability of all costs.
- Information reported to the JIC:

    - <u>As of 1/22/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)</u>

1. Homes visited by the FWRTs to date.

To Date	1/22/2016
37,697	5,920

2. Distributed: Includes outstanding data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots.)

Commodity	Total to Date
a. Number of cases of water	121,404
b. Filters	82,687
c. Filter cartridges	191,704
d. Test kits	23,415

3. Resources purchased:
    a. Cases of water 130,782 (additional 21,682 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

4. Teams going out tomorrow:
    a. National Guard State :ype 3 teams -- Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas.
    - Working on finding a new POD for 3 and 6. We are aware that the mayor would need to approve this.
- Coordinated water donations and delivery areas.
- Last minute large donations of water and volunteers expected during the weekend.
- Working on finalizing a recycling plan for the incident.
- The Jail water has been tested and is fine. The prisoners are not being poisoned and the local health department is working on clearing this issue up.
- Working on a plan with the churches to have 4 mega sites for churches (N,E,S,W) and have smaller churches work through these sites to get supplies. Churches are interested in the recycling program, putting information in their bulletins and also used a collection sites.
- Team Rubicon is coming tomorrow to assist with home deliveries.
- Continuing with recycling plan. Need to identify sites with city. Local EOC has visited areas with the local contractor.

Chris

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Update 1/21/16 – 17^{h} Day (16th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) - "Phase II"
- Plan for next phase with MSP and NG personnel for Governor approval – "Phase III"
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep 16
- Draft Water Operations Plan for moving to next phases (Discussion document)
- Resident Water Sample Results Map (Not for public distribution)
- January 13-19 comparison map

Status on Governor's request letter to the President

- Emergency declaration received. Pending decision of Major Disaster appeal and any denials under the Emergency Declaration (e.g. Category B). We have not been denied category B yet ... POTUS/FEMA has not given it to us though. I believe we may get a denial of category B in conjunction with the Major Disaster appeal decision. We will have 30 days to appeal.

- Category B is critical in that it is for Emergency Protective Measures which includes (but is not limited to EOC related costs, supplies and commodities, safety inspections, and in limited circumstances "water testing and treatment supplies in the immediate aftermath of the incident to counter a specific threat." We purposely put our start date of this incident to be April 25, 2014 in hopes we get category B and could get 75% federal funds for many other costs all the way back to 2014 – long shot but would be huge if we land this.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have . National Guard/state/local agency, type 3 teams , with a goal of 300 homes per team.
  - We will have 15 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- We are using the terms Phase II, Phase III, etc. These are for internal discussion for planning and not meant for public dissemination at this time unless it is determined to be beneficial.
- The draft operations plan (attached) was completed in conjunction with MSP and NG personnel to initiate discussion on our next steps as to WRTs and PODs.
- The WH issued a statement that $80 million dollars in aid to MI mostly to repair Flint water infrastructure. We do not have additional information on this. This may be existing federal funds provided to MI that is just being opened up for other use. FEMA does not have any information on this.
- We have been advised we exceeded the $5 million under the emergency declaration. We are at $7.6 million.
- FEMA has advised that any donated items can be used to offset the state cost share. We are working on the mechanism with FEMA to do this.
- Deployed 18 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- SEOC logistics worked to project future orders of water resources and commodities.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- DEQ test kits are only being provided to those who ask for them.
- I made contact with Senator Ananich aid, Julie Townsend, who was a POC for his volunteers. They are set to work next week on the 30th.
- MDOT met with city personnel to look at Station 6 POD and other PODs to see how traffic flow can be facilitated and safety increased. Additional report out due 1/22.
- A request from MSP MC3 for NG Cyber personnel (3 at $32,000 for 30 days or less) was initiated. This is to assist with the cyber attacks that have occurred/future attacks related to Flint Water. PENDING APPROVAL. NG advised this would have to be funded with existing funds at this time and to make adjustments.
- MDARD Food Program staff have completed assessments of all 21 food businesses (including restaurants) that were located in the highest risk area. In addition, they have completed assessments at 34 food businesses in the medium risk area, and have scheduled 28 appointments to collect water samples.
- Dr. Nicole Lurie, the Assistant Secretary for Preparedness and Response from the US Department of Health and Human Services (HHS), in addition to the HHS Regional Coordinator and other CDC staff, visited the CHECC and SEOC this morning and provided commentary to CHECC and SEOC staff/EMCs. She also attended a briefing from FEMA before departing to visit Flint.
- Parents of boarding students at the Michigan School for the Deaf were notified of the elevated lead results in Stevens Hall. All fixtures in the dormitory are scheduled to be replaced by January 24, 2016. Lt Gov. has scheduled visit on January 25.
- Valley Area Agency on Aging (VAAA) continues to take calls from seniors and caregivers needing access to water and filters. VAAA is providing this information to the local EOC each afternoon for follow-up.
- Information reported to the JIC:
  - As of 1/21/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase 1	Phase 2
30,770	5,409

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.

Commodity	Phase 1	Phase 2	Total to Date
a. Number of cases of water	94,688	10,403	105,091
b. Filters	77,215	2,356	79,571
c. Filter cartridges	188,389	1,039	189,428
d. Test kits	20,037	1,588	21,625

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes/multi family (The is the low end target #)

4. Resources purchased:
    a. Cases of water 124,398 (additional 20,098 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard/State/Local ype 3 teams -- Goal tomorrow 300 homes per team
    b. 15 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

• Attended ARC meeting with VOADs to discuss volunteer management and strategies.
• Attended meeting with Plumbers and Pipefitters Union to assess the need for long term cooperation for filter installation and fixture
replacement.
• Requested and received confirmation of deployment of Team Rubicon (starting on 01/23/2016).
• Facilitated Flint & Genesee Chamber of Commerce representation at the EOC.
• Addressed security issues at Fire Station 3, 6 and 8 PODs (residents concerned about criminal activity).
• Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
• Met with Genesee County Planning Commission, United Way of Genesee County and Michigan Community Service Commission to clarify
recycling plans and potential volunteer utilization.
• Coordinated and verified deliveries of supplies to apartment complexes.
• Identified potential locations for recycling stations.

Chris

Update 1/20/16 – 16th Day (15th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for second phase of door to door operations
- Submitted appeal to FEMA Region V
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration

Attached Documents:

- SitRep 16

Status on Governor's request letter to the President:

- Emergency declaration received.

Key items for tomorrow to note are:

- Five copies of the State/FEMA agreement will need to be signed by the Governor. Capt. Kelenske has them and will coordinate delivery.
- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard (MSP supported), type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- Dr. Luri from HHS will be at the SEOC ~10:00 p.m.
- A second phase is starting tomorrow which will include more refined questions as to type of filter systems each person has. This will assist with sustainment operations.
- DOC prison work crew personnel (6-7) will be at the warehouse to keep the area clean. A lot of trash is generated in the warehouse and was becoming an issue.

Items to Note

- Deployed) state/local (NG, MSP, Local) teams and 10 ARC Flint Water Response Teams to the field today.
- MSP and local Sheriff's Department continue to provide over watch for WRTs.
- Aqua Hydrate contacted me to donate 5000 cases a month (4 semis) for a year. I was advised by Lindon Nelson this was a Governor/Mayor/Senator Ananich and Meekhof initiative and a press release was going to go out soon (TBD). Logistics is following up with them.
- News release sent from Governor's office about the appeal to the President of the disaster declaration.
- SEOC Logistics worked with JIC and Governor's office to establish a business resource submission tab on www.helpforflint.com
- SEOC Operations continued to develop and finalize Phase 2 canvassing roll out.
- Meeting held with Dr. Luri from HHS.
- Capt. Kelenske and other state agency financial personnel attended the appropriations hearing.
- End of day – concerns with the mass amounts of volunteers showing up and wanting to help. This can cause logistical issues but staff was working to get additional tasks for volunteers outside of the WRTs. We will continue to work on ways to involve more volunteers.
- Additional 5 person NG team for warehouse support approved.
- Information reported to the JIC:

    - As of 1/20/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 29,317 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding hard copy data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots).

a. Number of cases of water 90,337
b. Filters 73,229
c. Filter cartridges 185,852
d. Test kits 19,866

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 111,630 (additional 18,502 donated)
   b. Filters 115,700
   c. Filter cartridges 243,200
   d. Test kits 61,161

5. Teams going out tomorrow:
   a. 18 National Guard (6-9 folks) type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Addressed reports of water contamination in distributed bottled and canned water. Confirmed that water is safe to drink through testing by MDEQ. Coordinating with JIC and MDEQ for improved public information on the issue.
- Identifying options to reroute unsolicited offers for supplies and services outside of the EOC. Coordinating to set up 800 number.
- Attended meeting with Flint & Genesee Chamber of Commerce to discuss coordination of efforts, representation at EOC, and improved messaging.
- Attended meeting with Community Foundation of Greater Flint to discuss coordination of neighborhood groups and improved messaging.
- Coordinated with MDARD to provide additional lead testing at restaurants, and signage for safe locations.
- Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment
- Coordinated and verified deliveries of supplies to apartment complexes.
- Discussed logistics requirements of delivery requests for homebound residents with SEOC Logistics.

Chris

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Update 1/19/16 – 15th Day (14th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Prepare plans for next phase of operation – Second sweep of city

Attached Documents:

- SitRep 14

Status on Governor's request letter to the President:

- Emergency declaration received.
- Appeal letter pending.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 9 National Guard, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed state/local teams and 11 ARC Flint Water Response Teams to the field today.
- Messaging being developed for concerns regarding the Total Dissolved Solids (TDS) meters and citizens' concerns with those meters indicating "lead" in bottled water. Testing of water to be done by DEQ to ensure we have solid messaging.
- DTMB is working to secure space in Flint for FEMA staff.
- Press release went out this afternoon to announce that the US Department of Health and Human Services will lead the federal response in Flint. Capt. Kelenske to meet with Dr. Nicole Lurie, HHS Assistant Secretary for Preparedness and Response (ASPR), on Thursday. The goal of the federal response will be to help state and local leaders identify the size and scope of the problem, and work with them to make and execute a plan for mitigation of the short- and long-term health effects of lead exposure.
- Additional NG personnel being requested to assist with Warehouse inventories.
- 100 personnel on the ground with the WRTs tomorrow with 100 more transitioning in.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- LG is going to be in Flint working at one of the PODs on Wednesday.
- Information reported to the JIC:

    - As of 1/19/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 22,129 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.
    a. Number of cases of water 77,794
    b. Filters 69,730
    c. Filter cartridges 184,457
    d. Test kits 16,671

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 95,760 (additional 16,056 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard [illegible] type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Attended public health group meeting with GCHD, City of Flint Water Department and MDEQ to discuss water test information being returned to residents, to allow residents a greater understanding of results.
- Attended recycling/trash management group meeting with DEQ, Republic Services, Keep Genesee County Beautiful and Genesee County Planning Commission. Provided projections on current and anticipated bottle distributions.
- Coordinated deliveries of supplies to faith-based organizations; apartment complexes and homebound residents
- Coordinated with Comcast to set up locations for distribution of filters (distributed 60 filters on 01/19/2016).

Chris

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Update 1/18/16 – 14th Day (13th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) and PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.
- Complete appeal for Presidential Major Disaster Declaration denial.

Attached Documents:

- SitRep 13
- Side by side comparison of homes with filters January 13th compared to January 18th. This should be hitting the media tonight. This took longer to create than I wanted but is the image I have wanted to show progress of getting filters in to the field.

Status on Governor's request letter to the President:

- Appeal in process.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 5-6 state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
    - NG will be bringing in personnel to prep for surge.

Items to Note

- Beginning tomorrow the operational periods will be 7 days long.
- The CDC/ATSDR (Agency for Toxic Substances Disease Registry) has deployed a team to Michigan.
- An Arabic version of the palm card was reviewed and approved. This was developed via Arab American and Chaldean Council.

- Deployed 12 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- DTMB is working to secure space in Flint for FEMA staff.
- Cost analysis to investigate if it would be more cost effective for FEMA to purchase water vs the SOM.
- ARC news release concerning the Volunteer Reception Center (VRC) sent out today.
- Media availability conducted today at 3pm at the VRC.
- Since 1/14/16 Michigan 2-1-1 has received three direct reports of bottled water testing positive for lead. DHHS SEOC Desk and DEQ SEOC Desk was able to contact two of the callers. The Zero Water filter (pitcher) has a handheld test device so people know when to change the filter. This TDS Meter measures dissolved solids (it is not a lead test). This was explained and we are going to work on messaging to ensure this does not cause issues. Dissolved solids are in all water. The water from the callers is going to be tested and a case of water from one of the companies will also be sent to DEQ for testing. Brands are Spartan Spring Water and Canned Water for Kids. The filter company is also going to work on messaging and work with us on this matter.
- Information reported to the JIC:

    - <u>As of 1/17/16 as of 5 pm (start date was Tuesday, 1/12/16)</u>

1. 21,393 homes visited by the FWRTs to date.

    2. Distributed:
        a. Number of cases of water 37,313
        b. Filters 53,713
        c. Filter cartridges 169,520
        d. Test kits 7,379

    3. Total number of customers on the Flint water system
        a. 29,944 paying customers
        b. 45,000 hookups (This is our high end target #)
        c. 39,000 includes apartment complexes (The is the low end target #)

    4. Resources purchased:
        a. Cases of water 82,992 (additional 16,056 donated)
        b. Filters 115,700
        c. Filter cartridges 243,200
        d. Test kits 61,161

    5. Teams going out tomorrow:
        a. State ( ) type 3 teams---Goal tomorrow 300 homes per team
        b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

<u>Local EOC</u>
Operations:

- Continuing to work with faith based organization to distribute resources.
- Working with colleges to obtain volunteers for canvassing.

Chris

<u>Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency</u>

<u>Mission focus for the day:</u>

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed

- Continue door to door/Flint Water Response Teams (FWRTs), PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
    - Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 12 state agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 11 state/local teams and 10 ARC Flint Water Response Teams to the field today.
    - 4,963 homes visited today.
-

01/16/16

01/17/16

- Information reported to the JIC:
    - As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 27,195
    b. Filters 50,432
    c. Filter cartridges 168,605
    d. Test kits 4,861

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. ? State type 3 teams---Goal tomorrow 300 homes per team
    b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.
- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have : state agency, type 3 teams), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.
- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed 11 state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- NG will have a total of 78 personnel in the PODs for distribution. Mission has not changed.
  - 34 NG soldiers have been in the PODS. 38 more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.
- Information reported to the JIC:

  - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

2. Distributed:
   a. Number of cases of water 20,876
   b. Filters 47,935
   c. Filter cartridges 167,401
   d. Test kits 3,322

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:
    a. State ((type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed
- Continue with door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.
- When we get the declaration(s) … I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have state agency, type 3 teams with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
    - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).

- I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 10 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.

    - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. *Distributed:*
    a. Number of cases of water 18,576
    b. Filters 45,916
    c. Filter cartridges 165,382
    d. Test kits 3,217

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 44,688 (additional 12,884 donated)
    b. Filters 78,520
    c. Filter cartridges 163,081
    d. Test kits 18,761

5. Teams going out tomorrow:
    a. tate ype 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.

- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

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Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.
- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.

- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.
- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.
- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but *it appears we have filters in over half the residences*):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	**3417**	394	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	**3741**			
Future sample test site	114	28	34	52

Chris

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Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and close lease on warehouse space
- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- Continue to work on Governor's Declaration of an Emergency

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
  - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
  - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
  - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
  - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA
- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- The door to door teams will continue at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- MNG will have a press event at the armory with incoming soldiers and MG Vadnais.

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.
- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP get supplies, receive a mission location and deploy.

- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377
Resources			
Door Hangars	473	217	256
Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. The current plan includes:
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.
            - Local EOC support for other local requests (Faith based for distribution, etc.)
        - Three warehouse locations at this time
        - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.
    - Water (cases) - 19,152 cases delivered

- Budget projection completed and will be submitted to SBO for review.

- Notes from Water Response Team Command (MSP)
    - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
    - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
    - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- *Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)*

Attached Documents:

- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:

- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
    - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
    - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
    - Ordered:
        - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
            - 1/3 is going to GCCARD and the rest is going to the new warehouse
        - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
    - Today's numbers
        - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
            - 2,000 – Brita filter faucet mounts
        - Filter Replacements
            - 2,400 – Brita filter replacements (single pack)
            - 8,000 – Brita filter replacements (two pack)

- Ordered on 1/12/16 to arrive Wednesday
  - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
    - 10,000 – PUR Vertical faucet mount
    - 2,500 – PUR Horizontal mount
  - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
    - 10,000 – PUR replacement filters (3 pack)
    - 10,000 – PUR replacement filters (single pack)
  - PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)
    - 10,700 – PUR combo packs

- To arrive Thursday
  - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 1,300 – Zero Water pitchers
  - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 11,000 – PUR vertical faucet mount
    - 1,500 – PUR Horizontal faucet mount
    - 5,000 – Brita faucet mount
    - 10,000 – Brita adv faucet mount white
    - 12,000 – Brita adv faucet mount chrome
  - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 117,600 – PUR replacement filter

- Test Kits
  - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
  - 500 have been assembled and are ready for distribution
  - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
  - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
  - 100, 000 square feet of secure warehouse obtained.
  - Accepting commodities beginning Wednesday, January 13

- Logistics Support
  - The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
  - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
  - We are working on version 2.0 so this can be used at the PODs
  - We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
  - Notes from the field commander:
    - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
  - In the end, there were 394 total home visits with the following breakdowns:

- 217 Door Hangers
- 152 Vacant Homes
- 117 Water Distributions
- 112 Filters
- 3 Pitchers
- 48 Water Test Kits

- 211
  - CALL VOLUME:
    - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:
- SitRep 6

Key items for tomorrow to note are:
- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
  - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.
  - The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note
- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.
- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

• Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
• Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
• Working to establish a warehouse for local resource storage.
• Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
• Discussed potential long term water sources between local EOC and SEOC.
• Established planning cycle/meeting scheduled for 1/12/16.
• Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; **however**, there may exist opportunities to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

    - We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
    - A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***
    - An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to supplement State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***
        - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
    - Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is beyond the capability the state and affected local governments, and that the state requires supplementary federal emergency assistance to save and to protect property....***

- Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
    - Debris Removal = ***self-explanatory and we do not have this***
    - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
    - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

Key items for tomorrow to note are:

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.
    2. Ensure accurate tracking and accounting of all commodities.
    3. Improve and maintain public information strategy.
    4. Develop a long term public health and services plan.
    5. Ensure adequate staffing to support operational requirements.
    6. Identify possible assistance programs.
    7. Develop an approved GIS strategy.
    8. Maintain coordination between partner agencies and organizations.
    9. Enhance situational awareness and common operating picture of all activities.
    10. Develop a comprehensive Recovery Plan.

Items to Note

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.
- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.
    - The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (looking at private sector partners to assist, especially with the warehouse management side).
    - GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.
- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).
    - 12,386 filters
    - 1,985 replacement filters
    - 354 Pitchers

- 2500 Lead Testing Kits
- Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
  - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
  - We have ordered an additional (expedited delivery with ETAs tomorrow)
    - 40,000 Brita Filters
    - 40,000 Brita Replacement Filters
    - 1000 Zero 8-Cup Pitchers
    - 1000 Zero 8-Cup Pitchers
    - 2000 PUR Replacement Filters
    - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- JIC Items
  - Requested PSA on the radio. Media has been approved and working with MAB.
  - Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
  - A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
    - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
    - JIC moving tomorrow to Flint.

Local Emergency Operations Center

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

Fire Station Inventory Levels:

Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up replacement filters from Home Depot and deliver.

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.

- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.
- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.
- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information ... I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.
- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.
- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.
    - Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
    - Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
    - GIS maps will provide guidance on deployment locations for these teams and other teams in the field.
- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

MSP/EMHSD GIS Section Updates

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.
- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

Local Emergency Operations Center

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff (2-positions) will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
    - Logistical activities to support church operations.
    - Logistical activities to support fire stations operations.
    - Coordinate Donations Management activities and draft donations management plan
    - Coordinate Volunteer Management activities
    - Identify local storage/staging facilities
    - Overall inventory tracking
    - Tracking of Points of Distribution (PODs)

Chris

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Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
  - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
  - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.
- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.

- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:
Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**
- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**

        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.
    5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
    6. Develop a comprehensive GIS strategy.
    7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
    8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
    9. Provide technical assistance to the local Damage Assessment process.
    10. Establish a Joint Information Center (JIC) and develop a public information strategy.
    11. Monitor MI CIMS for resource requests and address as appropriate.
    12. Establish and disseminate cost center information for the incident.
- Additional tasks include:
    - Determine what federal agencies are already involved and their status
    - Identify potential water supplies
    - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
    - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
    - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC
- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
    - Water Pipeline Locations
    - Filter Distribution Locations
    - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
    - Affected School Locations
    - Predictive analysis of blood lead levels for affected area

    - Updated Parcels
    - Demographics
    - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

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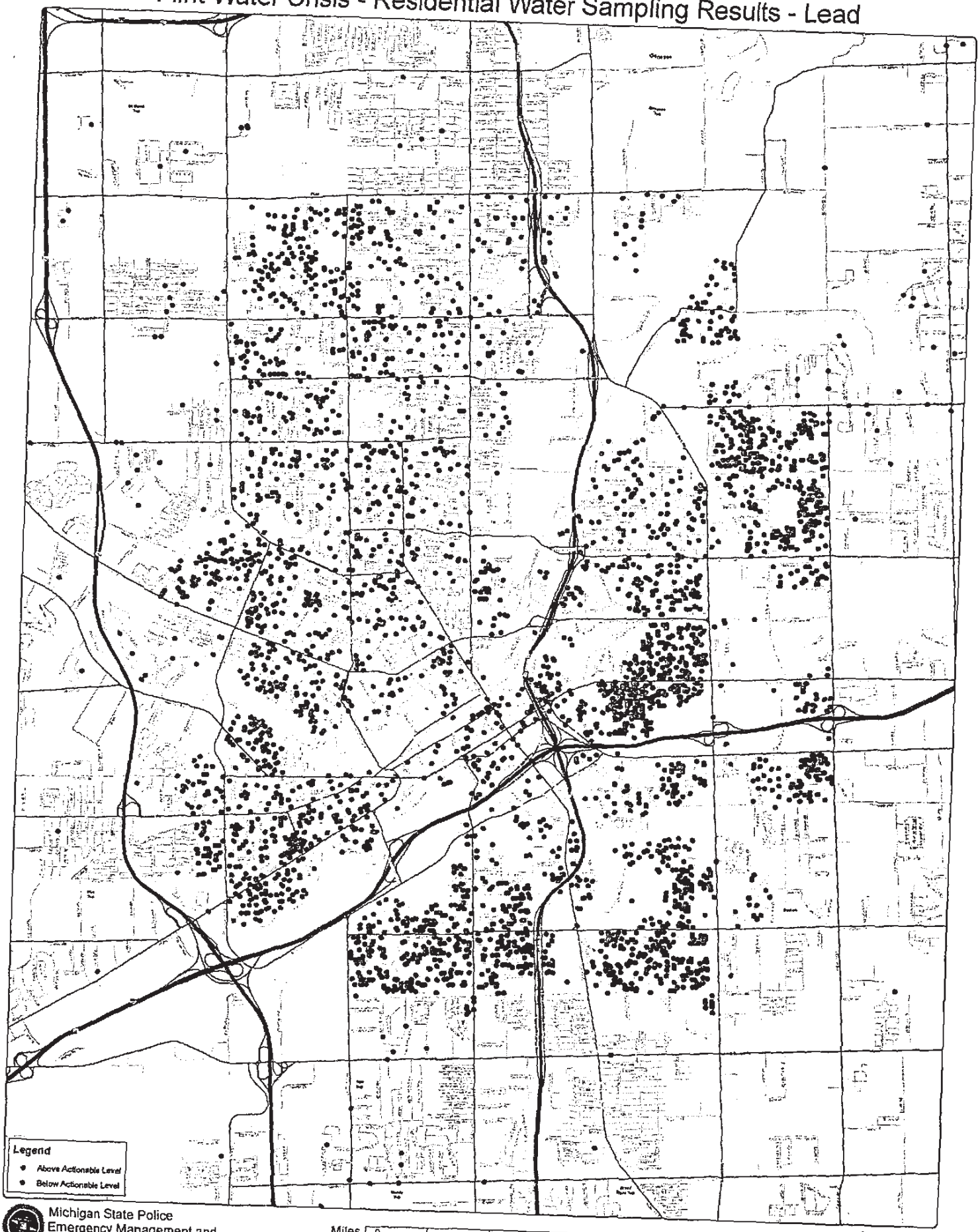
Flint Water Crisis - Residential Water Sampling Results - Lead



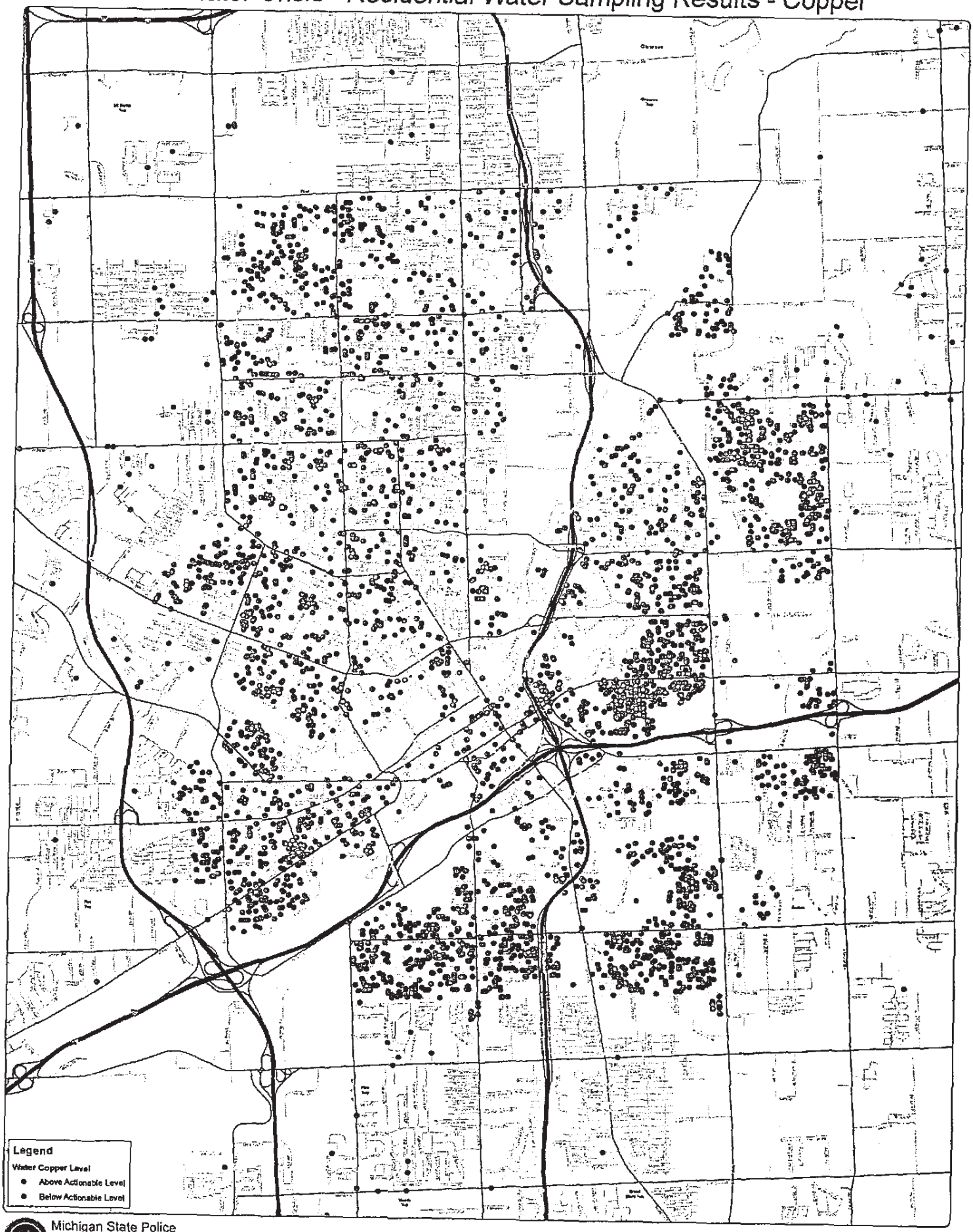
Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 1 2

The information is being provided by the City of Flint, Michigan Police, Emergency Management and Homeland Security Division (MSP/EMHSD). The MSP/EMHSD assumes no responsibility for the completeness or accuracy of the data displayed on the map. Data layers were compiled from various sources and are not to be construed as a "legal description".

Author: msp-seocgis@michigan.gov. (A111)
Created: 06:54 PM, 30 Jan 16

Flint Water Crisis - Residential Water Sampling Results - Copper



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 1 2

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Author: msp-secogis@michigan.gov, (A911)
Created: 06:54 PM, 30 Jan 18

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/26/2016 08:00:00
Operational Period End:	02/02/2016 08:00:00
Situation Report No.	25
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/30/2016 08:00:00
SEOC Hours of Operation End:	01/30/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 30, 2016):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Resources.
- Public information control.

Logistics:
- Continued researching warehouse options for donations management.
- Conference call with Kathy Fulton of ALANaid on potential warehousing and other needs.
- Assist with coordination of water donations from Senator Knezek.
- Requested a report on needed warehouse staff.
- Fielded resource requests.
- Fielded rapid response requests.
- Facilitated distribution team calls.
- Requested a daily report of volunteer staffing numbers be sent at least 24 hours prior to scheduled activity.
- Request made for one point of contact for all volunteer activities.

JIC:
- The JIC is operating from the SEOC on Saturday, January 30 and Sunday, January 31.
- Created a media monitoring report and looked for and corrected misinformation.
- Facilitated several media inquiries regarding water filters.
- Coordinated the posting of the Food and Nutrition Service response to Michigan's request to increase the access and availability of WIC benefits and services on the www.mi.gov/FlintWater site.
- Updated internal and general talking points about the ongoing Flint water emergency.
- JIC is planning on issuing the nightly activity news release.

Recovery Branch:
- Attended Local Brief, SEOC State Agency Briefing Meeting, and Distribution Process Meeting.
- Worked with GIS to develop an area map and spreadsheet with addresses based on data specified as "follow up required" for Red Cross teams.
- Worked with GIS to map and analyze City of Flint apartment buildings to send out water resource team.
- City Sections Visited Today: 28, 17, 11, 27, 29, 30, 31.
- City Sections Scheduled Tomorrow*: 27, 29, 30, 31, 22, 33, 4 as primary and 7, 1, 13 as secondary.
- 10 American Red Cross Teams scheduled for Sunday, January 31, 2016.

o Data is for 1/30/16 as of 5:00 pm:
o Total homes visited.
- 9,026 (round 3 total).
- 1,368 (today).

o Water Cases:
- 5,672 (round 3 total).
- 840 (today).

o Replacement Cartridges:
- 1,249 (round 3 total).
- 434 (today).

o Faucet Filters:
- 4,928 (round 3 total).
- 706 (today).

Planning Section:
- Published Sit Rep #25.
- Worked on the Small Business Administration worksheet and letter.
- Worked on incident time line for Governor's office.
- Updated the timeline of events for the Governor's office.
- Participated in local EOC, SEOC state agency, and distribution process conference call.

Operations Section:
o Facilitated state agency and local briefing calls.
o Follow up on reported resident concerns.
o Warehouse Numbers as of 1600:
□ *Water (liters):*
• 435,742.
□ Filters (faucet):
• 50,360.
□ *Replacement cartridges:*
• 362,597.
□ Test Kits (prepped):
• 25,019.
□ Test kits (un-prepped):
• 0 (all supplies out to ARC for assembly).
o PODs (1700 1/29 – 1600 1/30):
□ Water (cases):
• 9,743.
□ Filters (faucet):
• 622.
□ Replacement Cartridges:
• 932.
□ Filters (pitcher):
• 0 (no longer being distributed at PODs).
□ Test kits:
• 336.

Finance Section:
• Review current cost data from state agencies that have submitted information.
• Updated Resource Request Information
• Log Commodity Costs and Quantity Information
• Update spend plan with state agency costs

GIS Branch Updates:
• Created a church location map for local EOC.
• Map of DEQ water test sites with lead and copper level result.
• Provided image of water service curb maps for JIC.
• Created spreadsheet of residential vacant parcels for DEQ.
• Created team assignment area map.
• Created individual team area maps.

DTMB:
• Supporting logistics with requests.
• Demobilizing some of the iPads in field.
• *Michigan.gov website was attacked again today – site continued to run.*

DHHS-CH:
• 211 number receiving numerous inquiries regarding sample turnaround times
• Filters may not be effective with *levels exceeding 150 parts per million.*
• Media coverage on this – looking for JIC assistance.

DEQ:
• Request from ECC for 9 sampling teams to begin February 8.
• Coordination of the composition of teams for ECC.

Local EOC Update:
• Coordinated short-term resource needs of incoming volunteer groups.
• Addressing public concerns regarding filter efficiency.
• Addressing concerns regarding rapid response delivery system.
• Planning for transition of operational control to local level.
• Planning for demobilization of MSP/EMHSD support staff at Genesee County EOC.
• Attended conference call with Michigan Community Service Commission regarding long-term volunteer management plan.
• Refined 211 data entry and record keeping process.

Incident Response/Recovery Priorities/Objectives

(Objectives are in order of priority with original objective number attached)

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
7. Gather, analyze, and disseminate GIS data to develop products for future planning.
10. Collaborate with local and volunteer agency partners to solidify the Flint Water Operations Plan.
3. Improve and maintain the public information strategy and process.
8. Maintain coordination between partner agencies and organizations to include FEMA IMAT and the FWCC
4. Develop a long term public health and services plan.
6. Develop an overview of possible assistance programs.
9. Enhance situational awareness and common operating picture of all activities.
5. Continue to maintain adequate staffing to support operational requirements.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016

Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Declaration of Emergency for Michigan Contaminated Water (EM-3375), 1/16/2016

Weather Conditions

Watches/Warnings

Upcoming Forecast

Forecast Update for Flint, MI - January 30

* Quiet weather today Saturday (January 30) with rain Sunday (January 31).
* Milder temperatures this weekend with high temperatures in the mid 40s Saturday (January 30) and 45 to 50 on Sunday (January 31)
* Drier and cooler Monday (February 1st)
* Rain Tuesday afternoon (February 2nd) through Tuesday night - may mix with sleet, freezing rain and snow. Details below
* Turner much colder late next week (February 3rd-5th)

Tuesday afternoon (February 2) through Tuesday night looking like it could be a very rainy, wet stretch in the Flint area. Some portions of Michigan, especially the upper peninsula, northern lower and southwest lower could see significant snow and maybe some sleet and freezing rain with travel impacts and power outages possible. Flint area right now looks like mostly rain, but the forecast could change to include snow, sleet freezing rain for Tuesday and Tuesday night.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSIa

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

JIC not operational in Flint today. PIO operated out of SEOC.

Agriculture and Rural Development (MDARD)

Friday, Jan 30th -
MDARD has developed plans for the coming week for water sampling and assessments of food businesses as well as follow up

based on test results, including verification and compliance assistance. As of 1/29, MDARD completed water assessments at all 18 food businesses in the high risk area and 135 of the 156 in the medium risk area, as well as 58 in the other parts of the City. The overall assessment compliance rate is 70.1%. We also have collected 74 water samples, with more scheduled for next week.

American Red Cross (ARC)

The American Red Cross deployed and supported 10 Water Response Teams on Saturday. We expect to have 10 teams available tomorrow as well.
Carpenters and Millwrights supplied hundreds of volunteers today. Some were assigned to accompany the Water Response Teams. The rest filled their own vehicles with bottled water and were assigned distribution routes
The Volunteer Reception Center (VRC) was in operation today and processed 169 event-based volunteers. Sunday's schedule is 9am to 3pm.
Assembly of water test kits will resume when materials become available.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC entities. Maintaining media awareness regarding situation and community activities. Provided link to Spanish version of CDC infographic "If you are pregnant" to tasking request via MI-CIMS http://www.cdc.gov/nceh/lead/tools/are_you_pregnant_spanish.pdf

Community Health (MDCH)

The CHECC remains activated at a level 2 with communications being coordinated between GCHD EPC, Federal Coordinating Officers, MDHHS Leadership and the SEOC.

CHECC hotline received multiple calls related to water filter efficacy. Overall total call volume remains low.

Nutritional planning and Disaster Behavioral Health planning is ongoing in the CHECC and with partnering agencies.

Received a communication from the Michigan Pharmacist Association offering to collaborate and brainstorm ways that pharmacies in the Flint area can support response efforts. A call may be scheduled with MPA and the CHECC to explore this option further.

Corrections (MDOC)

We continued to streamline operations at the warehouse to assure that PODs are well supplied. Today was the second consecutive day the PODS did not run out of supplies. We will continue to keep trucks dedicated to delivering to individual PODs and have Rapid Responses ready for any POD that gets to a critical level of supplies.

203 Water Samples were collected and delivered to the DEQ Lab in Lansing.

A total of 3 Semi-Tuck and Trailers and 3 full box trucks of water were and loaded today at the warehouse and delivered to the Home Depot parking lot for the large scale volunteer event with Red Cross.

We are in the process of training backfill personnel for the staff assigned to the detail.

Education (MDE)

1. Michigan School for the Deaf. Report to LARA on the latest word from the landlord is that the three new drinking fountains will be installed this weekend (Jan 30-31). He said we should allow him until mid-week, next week, as a back-up estimated completion date. Based on that, MSD contacted Joe Madziar, and he indicated next Friday (February 5) would be a tentative date for LARA to schedule Stevens Hall testing.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:

Responded to request from EPA by providing up-to-date spreadsheet of sample results through January 29, 2016.

Worked with Joint Information Center (JIC) to seek to manage public expectations about how long it will take for sample results to be mailed to residents, given what was reported in some media.

Confirmed that the City was provided the assistance they requested yesterday to send out sample test results.

Continued activities to comply with EPA Order, including:

Ordered Public Information Officer (PIO) for DEQ Incident Management Team to liaison with Flint Emergency Operations Center PIO, as well as documentation leader.

Several new mapping/GIS requests for overall analysis.

Initiated resource order for 10 new teams with law enforcement escort.

Secured addresses of currently unoccupied homes.

Human Services (MDHS)

Worked with SEOC PIO to address some concerns brought up by 211, due to some media stories related to water filter capabilities, and duration to obtain water test results.

CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

-Updated the LARA Executive Team

-Work by LARA/BCC at Freeman Elementary School was completed today. Testing performed by DEQ/LARA will take place tomorrow.

-A material list was completed for Neithercut Elementary School,

Military and Veterans Affairs (DMVA)

Commanders Situation Report (SITREP)

1. DTG: 3013002016

2. UNIT: Points of Distribution (PODs), TF FLINT (1-125 IN)

3. POC:1LT Roland, John G. Cell: (Email: john.g.roland2.mil@mail.mil.com

4. PRESENT LOCATION: Genesee County Local EOC, 1101 Beach St., Flint, MI, 48502

5. SITUATION OVERVIEW: 1-125 IN has 65 Soldiers deployed to the Flint Water Crisis in support of Distribution Operations at the Points of Distributions (PODs).Daily operations consist of receiving, tracking, and issuing out water, filters, replacement filters, and water test kits.

6. OWN SITUATION DISPOSITION /STATUS: Currently 1-125 IN has Soldiers on ground supporting the mission.

7. OPERATIONS: Operations for the next 24 hours are to sustain water/filter distributions throughout the 5 designated fire stations and track all distribution incoming and outgoing through the PODs.

a. SEOC has the POC with MDOT, standing by for a response.

1.) Workers from the City of Flint determined that they do not have the capabilities to support the road sign warnings. Local EOC was working through the Genesee County Road Commission and determined that they do not have the recourses to sustain our long term operations.

b. Flint City Electricians have assessed lighting around the outside areas of the PODs IOT fix lighting issues.

2.) Monday, 01 Feb 2016, at 0730hrs the electrician is planning on fixing the lighting issue at POD 8.

8. PERSONNEL: Soldiers are currently assigned to the POD operations. oldiers are assigned in five teams at Fire Stations 1, 3, 5, 6 and 8.

9. INTELLIGENCE / FORCE PROTECTION: No force threats have been identified.

10. LOGISTICS: No Change.

11. COMMUNICATIONS: No communications issues at this time.

P: 800 MHz radios issued to PODs and WRTs.
A: RRF cell phones alternate for WRTs.
C: Personal cell phone
E: Runner

12. NARRATIVE: N/A

13. COMMANDER'S EVALUATION:
• POD operations are still functioning well. We are trying to improve the efficiency, professional appearance, and long-term establishment of the POD's, but, overall the POD's operations are remaining successful.
• We have about half of the current 1-125 IN BN soldiers who would like to stay on the TF Flint mission orders. For continuity purposes, my recommendation is to utilize these as long as possible.
• Flint water response team badges were provided to the POD's to ensure each soldier was a credentialed member of the Flint water response team.
• MSU football is planning on sending (20) football players to assist in POD operations. The LEOC is working in acquiring a roster so we can establish a plan to have them assist in the operation. Orange reflective vests and Flint water response badges will need to be acquired from the LEOC for these volunteers.
• Consolidated Station Report OUT (last 24 hours)
Bottled water- 7030 Water (Gallons)- 16 Lead Testing Kits- 269
Pitcher (23 cup)- 0 Brita Faucet Filter- 138 Brita Replacement Cartridge- 275
Pur Filter- 279 Pur Replacement Filter- 719

National Weather Service (NWS)

NWS Detroit providing morning SEOC brief and Activity Log posts. Jim Maczko from NWS Grand Rapids will be the contact point for any changes in NWS Support and will also continue to update the Sit Rep Executive Summary as needed.

Participation in afternoon SEOC briefings is planned only if significant changes in the forecast occur.

Natural Resources (MDNR)

MDNR LED continues to support its QOL partners with staffing at the SEOC.

Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging (VAAA) continues to receive phone calls from concerned seniors in Flint and continues to make referrals to the Genesee Co. EOC for water and filter follow-up.

VAAA's local Nursing Home Ombudsman continues to monitor Flint area Nursing Homes to ensure residents have access to safe water.

Contact info for VAAA Executive Director is:
Kathryn C. Boles
President, CEO
Valley Area Agency on Aging
225 E. Fifth Street, Suite 200
Flint, MI 48502
(810) 239-7671
(810) 239-8869 fax

State Police (MSP)

7:55 a.m. - Suzanne Pauley of DTMB, C# 517- 242-8745, contact Operations to advise that they were having problems with the Michigan.gov web site. She stated that the site was under a, " Distributed Denial-of- Service Attack (DDOS)." This information was forwarded to MC3.

Update (8:16 a.m.) - As of 7:43AM, Michigan.gov was back online. The site was loading slowly at first but now appears to be loading normally. Update also forwarded to MC3.

Additional information on the update from DTMB-They were taken offline by a SYN Flood DDoS attack at approximately 7:31AM this morning.

12:37 p.m. - DTMB reporting a new attack against mi.gov began about 25 minutes ago. The mitigation that IBM has in place absorbed the attack. They don't believe there was any end user impact. This information was forwarded to MC3.

The MSP position within the SEOC will be staffed at MSP Operations at HQ. All e-mails to MSP-EOC-MDSP@michigan.gov are being forwarded to the Operations Lt. The phone number for the on duty Operations Lieutenant is 517-241-8000

Technology, Management and Budget (MDTMB)

Continue to provide DTMB management with daily updates and resource requests received.

DTMB Print & Graphic Services continues to provide translation of water documents and printing for water related documents.
Demobilizing iPads. 71 of 151 tablets have been returned to DTMB. Genesee County will retain 25 tablets for their use. Working with local EOC to determine where the remaining tablets are located.
Continue to provide server monitoring of MiCIMS servers and analyzing slow internet service at the Joint Information Center in the Flint State office Building.
Provided access cards and access to employees at the JIC and for Federal partners.
Providing a laptop with dual monitors and a printer for DEQ employee in Constitution Hall. Will be installed by COB Monday dual monitors and laptop installed at Constitution Hall.
Increased storage space for the JICManager Outlook mailbox.

Transportation (MDOT)

MDOT is providing traffic measures at Fire Station #6 on Pierson Rd. and Fire Station #3 on Martin Luther King Blvd:
-4 portable changeable message boards (2 each site).
-100 grabber traffic cones (narrow reflective cones) (50 each site)

MDOT continues to maintain situational awareness and respond to issues regarding equipment and road conditions.

Incident Related Images

Higgins, Lori (MSP)

From:	Kelenske, Chris (MSP)
Sent:	Monday, January 25, 2016 9:20 PM
To:	Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Snyder, Rick (GOV); Calley, Brian (GOV); Creagh, Keith (DEQ)
Cc:	Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject:	SEOC Update 1/25/16 - Flint Water - Limited Distribution
Attachments:	2016-01-20 - Flint Lead MDHHS Sitrep.pdf; 20160125_1700_Parcels_Contacted.pdf; 20160125_1700_Parcels_Filter_Status.pdf; SitRep20.pdf

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/25/16 – 21th Day (20th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Validate all data from the WRTs/PODs and identify focus areas

Attached Documents:

- Sit Rep # 20
- Michigan Department of Health and Human Services Situation Report for January 20, 2016
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.
        - The first map indicates based upon the outreach that has been conducted, which parcels have had contact with a resident and which parcels have not had any contact with a resident.
    - Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
        - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).

Items to Note

- 11 ARC Flint Water Response Teams to the field today.
- 8 EPA PIOs will be in the JIC tomorrow. The JIC is unaware of the role or expectations at this time.
- Reference the rash I discussed on the call tonight:

- There was one specific complaint about rashes that Community Health personnel plan on working with ATSTD/CDC. DEQ is requesting that EPA collect all appropriate water samples to enable a full analysis of the water at the address (an apartment) for bacterial contamination, and a full metals and organics panel. Lead is not associated with skin rashes, but other contaminants are and DEQ wants to find out what, if any, other contaminants are in the water.
- It was also discussed that it would be ideal if Community Health can forward to the EPA the other addresses and contact information for which they've received complaints of rashes, so that EPA could also test there for appropriate parameters to see if we can identify a cause.
- SEOC DEQ desk will continue to monitor and work this issue.

- SEOC OPS, Health, MDEQ SEOC, Logistics participated in conference calls with the Governor's office and private partners on potential alternative filtration systems for schools, daycares, etc.
- Created a form for drivers to track rapid response deliveries.
- Media avail at fire station 8 this morning received positive news coverage.
- The NAACP is holding a public meeting at U of M Flint on Tuesday.
- Rachel Maddow will hold a town hall meeting on Wednesday. MSP Third District Commander advised.
- Developed new Incident Action Plan (#7 published in MICIMS) and ICS 204s for the new operational period (1/26/2015-2/2/2016).
- MDOC assumed all warehousing responsibilities today.
- Reviewed state agency financial information received for update to current spend plan.
- Information reported to the JIC:
  - As of 1/25/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	Targeted Canvassing Mission 1/25/2016
30,770	37,844	2,596 – ARC*

*American Red Cross data has not been entered in the app, but is currently being caught up. Starting January 26, 2016, the American Red Cross has been instructed that iPads must be used in the field for data entry in order to clearly capture the homes that have filters.

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	176,118
b. Filters	93,048
c. Filter cartridges	198,552
d. Test kits	29,320

3. Total number of customers on the Flint water system
   a. 29,994 current water system subscribers
   b. ~45,000 hookups (This is our high end target #)
   c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased*:
   a. Cases of water 141,982 (additional 24,634 donated)
   b. Filters 124,052
   c. Filter Cartridges 285,586
   d. Test kits 62,701

   * Numbers have not been updated due to the following circumstances:
   - Outstanding donations and inventory at the warehouse which has not been reported to the SEOC. Staff in the SEOC is working with donations management and warehouse to reconcile numbers.
   - Outstanding data from GCCARD on deliveries from 1/8-1/12. Staff in the SEOC and local EOC is working with GCCARD to obtain data.

- At the beginning of tracking the planning factor used was 72 cases of water per pallet and 22 pallets per semi-truck. Per bill of lading received from the warehouse today, it has been identified that this assumption is not correct. Staff is working to reconcile numbers.

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/25/16, as of 5 pm, 2,596 homes were visited today.
2. **Total number of homes visited:**
    a. Phase II: 37,844
    b. Targeted Canvassing Mission: 2,596
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Command and Control Staff for NG Personnel:
4. **Total Number of Volunteers each day:**
    a. 135 volunteers for 1/25/2016.
5. ***Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 1,151 were distributed on 1/25/2016, and total distributed to date is 93,048.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 9,514 were distributed on 1/25/2016, and total distributed to date is 176,118.
8. **Number of testing kits distributed (each day and to date):**
    a. 478 were distributed on 1/25/2016, and total distributed to date is 29,320.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Per CHECC: People tested for lead 10/1/2015 to 1/8/2016: **2,642**;
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC:
        i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: **28**
        ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: **7**
        iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: **15**
11. **Number of homes with safe drinking water:**
    a. 1099 homes, per data from September 3, 2015 to January 22, 2016. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

GIS Information

I have had numerous discussions with GIS staff as to getting our data validated and as close to final as possible. We are tracking 38,144 residential properties within the city (noting large apartment complexes are classified as commercial so they are not a part of this). Of these:

- 34,318 have been engaged by Flint Water Response Teams and PODs (90%) - The remaining 10% is going to be a focus for the teams in the near future
- 23,281 have led to a direct citizen engagement (61%)
- 5,173 were not home during any attempt to visit and have not been recorded as having visited a POD (14%)
- 5,864 of the properties the teams visited were vacant or destroyed (15%)

Additionally, we have been tracking the status of "Active Water Subscribers" from the Flint Department of Public Works. These are residential properties which have meters put on the homes by the city. Of the total 29,994 subscribers citywide, 26,673 have been confirmed as being on residential parcels. Of the 26,673:

- 18,487 Have been confirmed as having received a filter by the Flint Water Response Teams or PODs (69%)
- 3,928 Were not home when visited (15%)
- The remaining 16% we have no data to confirm or deny whether they have a filter

Of special significance from the water subscriber data is that the old lead maps that we are digitizing from the Flint Water Department contain 993 suspected homes with lead lines in them. Of these only 659 have received a filter.

It is significant to note that we are continuing to receive paper forms from the field and processing them. The ARC and volunteers were specifically told to use the App and we provided Ipads but tonight I was told this was not being done by everyone which has caused us some lags in data. This is likely improve the overall numbers as we process historic records (ARC had ~7,000 of these records).

It cannot be reiterated enough that data is still coming in and we are still actively cleansing it.

Local EOC

Operations:

- Coordinated with Foodbank of Eastern Michigan for issuing of Resource Request.
- Coordinating and following up on vehicle demobilization.
- Facilitated rapid response deliveries to special locations.
- Finalizing components of recycling program.
- Received authorization to operate bottle collections for recycling at Fire Station 1 and 5 PODs.
- Initiated activities to plan for inclusion of institution sampling (schools, daycares, nursing homes, etc.) in Genesee County EOC IAP.
- Coordinating volunteer management with Michigan Community Service Commission.

Chris

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Update 1/24/16 – 20th Day (19th Full Day) After Governor's Declaration of an Emergency

I have asked state agency SEMCs to archive their SitRep items so you only have current operational period information in the SitRep Agency Summaries. Director Creagh added to daily report.

Mission focus for the day:

- Receive, store, and increase quantities of supplies.
- Increase efficiency of warehouse operations.
- Continue door to door/Flint Water Response Teams (FWRTs).
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Attached Documents:

- Situation Report # 19
- Maps:
    - Parcel Contact Status, includes data as of 5 pm today.

- *The first one indicates based upon the outreach that has been conducted, which parcels have we had contact with a resident and which parcels have not had any contact with a resident.*
- Parcel Filter Status (Multi-Tenant Excluded), includes GIS data as of 5 pm today.
  - The second map indicates the status of residents that have or have not received a filter.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have 10 ARC, type 5 teams (2-4 personnel).
- WRTs with NG personnel are transitioning out. No field teams. NG will continue to staff the PODs.
- Tony Katarsky will be acting SEOC State Director. Capt. Kelenske not in the SEOC - available by phone (in the Holland MI area).

Items to Note

- Deployed ; National Guard/state/local teams and 19 ARC Flint Water Response Teams to the field today.
- JIC was operational with limited staff out of the SEOC today. Co-located JIC in Flint will be back and operational tomorrow.
- SEOC Logistics worked with MDOC on warehouse management transition.
- Recovery Branch began demobilization of trucks and vans.
- Demobilization of National Guard Water Response Teams will be effective as of Monday, January 25.
- School for the Deaf
  - As of 1/23/16: LARA and DEQ teams on site; water testing complete in school building and LRC dorm. Stevens Hall will be tested when landlord finishes upgrades.
  - As of 1/23/16: all water faucets replaced in Stevens Hall. 3 new drinking fountains on order; expected mid-week. Once fountains are installed, Stevens Hall will be scheduled for water testing.
- SEOC Finance Donations Management team to obtain list of donors and donations for FEMA request.
- SEOC Planning Section worked on burn rate data from FWRT and PODS for FEMA request.
- GIS continued to clean up V2 Dataset (patched approximately 1000 records).
- GIS coordinated with the DEQ to transfer lead service line mapping to their GIS department tomorrow. Wall maps showing known lead service lines based off of geographical locations and zip codes provided for Chief Hagler, SEOC DEQ staff and Director Creagh.
- Out of 37,003 homes visited, 5,660 were not home/did not answer. The number of homes visited is lower than the Phase II number as some duplicate contacts at addresses were eliminated.
- Information reported to the JIC:
  - As of 1/24/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I	Phase II	1/24/2016
30,770	37,844	7,012 National Guard/State/Local 4,132 ARC

2. Distributed:

Commodity	Total to Date
a. Number of cases of water	164,991
b. Filters	91,763
c. Filter cartridges	197,775
d. Test kits	28,763

3. Total number of customers on the Flint water system
    a. 29,944 current water system subscribers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 141,982 (additional 24,634 donated)
    b. Filters 124,052
    c. Filter Cartridges 285,586
    d. Test kits 62,701

5. Teams going out tomorrow:
    a. 10 ARC (2-4 people) type 5 teams -- Goal tomorrow 100 homes per team

Additional Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/24/16, as of 5 pm, 11,144 homes were visited today
2. **Total number of homes visited:**
    a. Phase II: 37,844
3. **Total number of National Guard on the ground:**
    a.
        i. Number in PODs:
        ii. Number on Cyber Mission
        iii. Number with FWRTs:
        iv. Command and Control Staff for NG Personnel: __
4. **Total Number of Volunteers each day:**
    a. 315 volunteers for 1/24/2016.
5. ***Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016.
6. **Number of Water filters distributed (each day and to date):**
    a. 4,920 were distributed on 1/24/2016, and total distributed to date is 91,763.
7. **Cases of Bottle water distributed (each day and to date):**
    a. 16,125 were distributed on 1/24/2016, and total distributed to date is 164,991.
8. **Number of testing kits distributed (each day and to date):**
    a. 3,177 were distributed on 1/24/2016, and total distributed to date is 28,763.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time, CHECC will begin providing numbers on 1/25/2016.
11. **Number of homes with safe drinking water:**
    a. 577 homes, per data from September 3, 2015 to January 20, 2016. Note, per MDEQ, this data is from **uncontrolled samples** provided by residents.

*This is an estimate from Phase I data. We are cleaning up the data to get a more accurate number – Phase II questions were developed to help clean this up.

Local EOC

Operations:

- Distribution of supplies at five water resource sites in the City of Flint.
- Door-to-door distribution of supplies with 34 water response teams (19 ARC volunteer teams, 15 MSP/GCSO/NG teams).

- *Facilitating rapid response deliveries to homebound residents and special locations by three teams staffed by* Team Rubicon, and Lt. de Castro (MSP/EMHSD).
- Improved logistics for rapid response teams by providing transportation and iPads starting on 01/25/2016.
- Coordinated with ARC for distribution of additional iPads for data entry.
- Identified alternative warehouse locations for lose donations.
- Directed volunteer requests to appropriate state agencies.
- Started coordination for resource demobilization.
- Coordinated with 22 churches so they had water, filters, etc. Delivered Saturday. Some advised they were set with supplies. Lt. Roach (MSP District Coordinator will maintain contact with Pastors).

Chris

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Update 1/23/16 – 19h Day (18th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs

Attached Documents:

- SitRep 18

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- We will have . National Guard/state/local agency, type 3 teams
- We will have 40 ARC, type 5 teams (2-4 personnel).

Items to Note

- Deployed state/local teams and 40 ARC Flint Water Response Teams to the field today.
- Created a media monitoring report and looked for misinformation. A call was made to WILX to amend their article that implied that the State was not distributing water to undocumented immigrants. The news release was also sent to WILX about how the State is not requiring identification to receive water resources.
- *SEOC Logistics worked on future resource planning and a local business commodity supply plan.*
- Drafted talking points for Monday's press conference with Governor Snyder, Colonel Etue, and the Mayor.
- Put in place a place to control POD distribution as much as possible. SKU numbers are being lined out on commodities to prevent or minimize returns for cash.
- Information reported to the JIC:
    - As of 1/23/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

To Date	1/23/2016
37,943	6,323 National Guard
	7,361 ARC

2. Distributed: Includes outstanding data from yesterday- PODs after 5 pm, ARC worksheets and local EOC hotshots

Commodity	Total to Date
a. Number of cases of water	148,866
b. Filters	86,843
c. Filter cartridges	194,622
d. Test kits	25,586

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 133,662 (additional 24,634 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard State) type 3 teams---Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot/Rapid Response Team process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas. The city identified some but they are just as bad as the current ones.
- Working on finalizing a recycling plan for the incident.
- Lt. Roach sent up the church information to Tom Webber. She also received one church site that will act as a potential church mega site.
- SEOC GIS to provide a layer for the vulnerable populations so that Team Rubicon can get to them and track in the iPad.

New Standing Information Requirements

1. **Number of homes visited each day:**
    a. 1/23/16, As of 5 pm, 13,684 homes were visited today
2. **Total number of homes visited:**
    a. 37,943, does include duplicate counts from the second canvasing
3. **Total number of National Guard on the ground:**
    a.
4. **Total Number of Volunteers each day:**
    a. 310 volunteers for 1/23/2016
5. **Number of homes with filters:**
    a. 17,595 homes had filters, per entered GIS data as of 1/22/2016,

6. **Number of Water filters distributed (each day and to date):**
    a. 4,156 were distributed on 1/23/2016, and total distributed to date is 86,843
7. **Cases of Bottle water distributed (each day and to date):**
    a. 27,462 were distributed on 1/23/2016, and total distributed to date is 148,866
8. **Number of testing kits distributed (each day and to date):**
    a. 2,171 were distributed on 1/23/2016, and total distributed to date is 25,586
9. **Number of people tested for elevated blood levels (kids, adults, total):**
    a. Unknown at this time until we get the data
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Unknown at this time until we get the data
11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. Unknown at this time

Chris

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Update 1/22/16 – 18h Day (17th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Plan for next phase with MSP and NG personnel
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep # 17
- Briefing provided to the HHS Undersecretary by FEMA (due to time only finished 75%)

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- National Guard/State/Local (ype 3 teams
- 40 ARC (2-4 folks) type 5 teams
- Deliveries going out to all churches on our list we have been working with (21) for Sunday services.
- I will not be in the SEOC Saturday. Tony Katarsky will be the acting SEOC state director. I will be available by phone (wrestling meet).
- Sunday, Lt. Mike Johnson will be acting SEOC state director but I may be in for some of the day.
- Monday I am out on a college visit with my son...I will be available by phone and Tony will again be acting.

Items to Note

- Deployed 15 state/local teams and 15 ARC Flint Water Response Teams to the field today.

- SEOC Operations worked on getting local contact into the JIC along with developing messaging for resources and donations.
- SEOC Planning worked on the further development of long term strategy.
- Recovery branch continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday.
- SEOC logistics worked with FEMA/DHHS on warehouse tracking status/strategy, coordinated resources, and donations management.
- Have had a number of media request concerning resources for immigrants and population less proficient in English. Clarified with a news release that we are not requiring ID but we are asking for addresses to assist with long term recovery. Nobody will be denied resources if they fail to provide us an address.
- Have received numerous inquiries from celebrities on how they can assist and donate.
- We are validating a lot of data but what we have currently is 38,144 parcels in Flint that are not considered "vacant". This does not mean all parcels have a tenant, there are a lot of houses that are empty.
    - 26,673 water subscribers in Flint (not including franchise).
        - Water Subscribers with a Filter = 15,399 (57.7%)
        - Water Subscribers without a Filter = 11,274 (42.2%)
            - With our second pass we are getting more information as to why people do not have a filter. Looking into whether these include homes connected but nobody currently living there. We are refining the data.
    - 11,471 Non-Water Subscribers in Flint.
        - Non Water Subscribers with a Filter = 2,196 (19%)
        - Non Water Subscribers without a Filter = 9,275 (81%)
    - The SEOC Ops Chief has been directed to firm up all numbers with GIS. We have a GIS specialist from FEMA Region V also deployed to the SEOC to assist. ArcGIS has advised us that the amount of data we have collected is more than some major disasters in other states. We are looking into getting their personnel more engaged to ensure we are using all the tools available for analysis.
- SEOC Finance Chief is working on costs to date and all SEMCs were advised to tighten up their records and ensure we have accountability of all costs.
- Information reported to the JIC:

    - <u>As of 1/22/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)</u>

1. Homes visited by the FWRTs to date.

To Date	1/22/2016
37,697	5,920

2. Distributed: Includes outstanding data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots.)

Commodity	Total to Date
a. Number of cases of water	121,404
b. Filters	82,687
c. Filter cartridges	191,704
d. Test kits	23,415

3. Resources purchased:
    a. Cases of water 130,782 (additional 21,682 donated)
    b. Filters 115,700
    c. Filter Cartridges 266,200
    d. Test kits 61,161

4. Teams going out tomorrow:
    a. ational Guard State l type 3 teams -- Goal tomorrow 300 homes per team
    b. 40 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas.
    - Working on finding a new POD for 3 and 6. We are aware that the mayor would need to approve this.
- Coordinated water donations and delivery areas.
- Last minute large donations of water and volunteers expected during the weekend.
- Working on finalizing a recycling plan for the incident.
- The Jail water has been tested and is fine. The prisoners are not being poisoned and the local health department is working on clearing this issue up.
- Working on a plan with the churches to have 4 mega sites for churches (N,E,S,W) and have smaller churches work through these sites to get supplies. Churches are interested in the recycling program, putting information in their bulletins and also used a collection sites.
- Team Rubicon is coming tomorrow to assist with home deliveries.
- Continuing with recycling plan. Need to identify sites with city. Local EOC has visited areas with the local contractor.

Chris

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Update 1/21/16 – 17h Day (16th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) - "Phase II"
- Plan for next phase with MSP and NG personnel for Governor approval – "Phase III"
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep 16
- Draft Water Operations Plan for moving to next phases (Discussion document)
- Resident Water Sample Results Map (Not for public distribution)
- January 13-19 comparison map

Status on Governor's request letter to the President

- Emergency declaration received. Pending decision of Major Disaster appeal and any denials under the Emergency Declaration (e.g. Category B). We have not been denied category B yet ... POTUS/FEMA has not given it to us though. I believe we may get a denial of category B in conjunction with the Major Disaster appeal decision. We will have 30 days to appeal.
    - Category B is critical in that it is for Emergency Protective Measures which includes (but is not limited to EOC related costs, supplies and commodities, safety inspections, and in limited circumstances "water

testing and treatment supplies in the immediate aftermath of the incident to counter a specific threat." We purposely put our start date of this incident to be April 25, 2014 in hopes we get category B and could get 75% federal funds for many other costs all the way back to 2014 – long shot but would be huge if we land this.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard/state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 15 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- We are using the terms Phase II, Phase III, etc. These are for internal discussion for planning and not meant for public dissemination at this time unless it is determined to be beneficial.
- The draft operations plan (attached) was completed in conjunction with MSP and NG personnel to initiate discussion on our next steps as to WRTs and PODs.
- The WH issued a statement that $80 million dollars in aid to MI mostly to repair Flint water infrastructure. We do not have additional information on this. This may be existing federal funds provided to MI that is just being opened up for other use. FEMA does not have any information on this.
- We have been advised we exceeded the $5 million under the emergency declaration. We are at $7.6 million.
- FEMA has advised that any donated items can be used to offset the state cost share. We are working on the mechanism with FEMA to do this.
- Deployed 18 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- SEOC logistics worked to project future orders of water resources and commodities.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- DEQ test kits are only being provided to those who ask for them.
- I made contact with Senator Ananich aid, Julie Townsend, who was a POC for his volunteers. They are set to work next week on the 30th.
- MDOT met with city personnel to look at Station 6 POD and other PODs to see how traffic flow can be facilitated and safety increased. Additional report out due 1/22.
- A request from MSP MC3 for NG Cyber personnel (3 at $32,000 for 30 days or less) was initiated. This is to assist with the cyber attacks that have occurred/future attacks related to Flint Water. PENDING APPROVAL. NG advised this would have to be funded with existing funds at this time and to make adjustments.
- MDARD Food Program staff have completed assessments of all 21 food businesses (including restaurants) that were located in the highest risk area. In addition, they have completed assessments at 34 food businesses in the medium risk area, and have scheduled 28 appointments to collect water samples.
- Dr. Nicole Lurie, the Assistant Secretary for Preparedness and Response from the US Department of Health and Human Services (HHS), in addition to the HHS Regional Coordinator and other CDC staff, visited the CHECC and SEOC this morning and provided commentary to CHECC and SEOC staff/EMCs. She also attended a briefing from FEMA before departing to visit Flint.
- Parents of boarding students at the Michigan School for the Deaf were notified of the elevated lead results in Stevens Hall. All fixtures in the dormitory are scheduled to be replaced by January 24, 2016. Lt Gov. has scheduled visit on January 25.
- Valley Area Agency on Aging (VAAA) continues to take calls from seniors and caregivers needing access to water and filters. VAAA is providing this information to the local EOC each afternoon for follow-up.
- Information reported to the JIC:

    - As of 1/21/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase 1	Phase 2
30,770	5,409

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.

Commodity	Phase 1	Phase 2	Total to Date
a. Number of cases of water	94,688	10,403	105,091
b. Filters	77,215	2,356	79,571
c. Filter cartridges	188,389	1,039	189,428
d. Test kits	20,037	1,588	21,625

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes/multi family (The is the low end target #)

4. Resources purchased:
    a. Cases of water 124,398 (additional 20,098 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. 3 National Guard/State/Local type 3 teams -- Goal tomorrow 300 homes per team
    b. 15 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

• Attended ARC meeting with VOADs to discuss volunteer management and strategies.
• Attended meeting with Plumbers and Pipefitters Union to assess the need for long term cooperation for filter installation and fixture
replacement.
• Requested and received confirmation of deployment of Team Rubicon (starting on 01/23/2016).
• Facilitated Flint & Genesee Chamber of Commerce representation at the EOC.
• Addressed security issues at Fire Station 3, 6 and 8 PODs (residents concerned about criminal activity).
• Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
• Met with Genesee County Planning Commission, United Way of Genesee County and Michigan Community Service Commission to clarify
recycling plans and potential volunteer utilization.
• Coordinated and verified deliveries of supplies to apartment complexes.
• Identified potential locations for recycling stations.

Chris

Update 1/20/16 – 16th Day (15th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies

- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for second phase of door to door operations
- Submitted appeal to FEMA Region V
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration

Attached Documents:
- SitRep 16

Status on Governor's request letter to the President:
- Emergency declaration received.

Key items for tomorrow to note are:
- Five copies of the State/FEMA agreement will need to be signed by the Governor. Capt. Kelenske has them and will coordinate delivery.
- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 18 National Guard (MSP supported), type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- Dr. Luri from HHS will be at the SEOC ~10:00 p.m.
- A second phase is starting tomorrow which will include more refined questions as to type of filter systems each person has. This will assist with sustainment operations.
- DOC prison work crew personnel (6-7) will be at the warehouse to keep the area clean. A lot of trash is generated in the warehouse and was becoming an issue.

Items to Note
- Deployed 3 state/local (NG, MSP, Local) teams and 10 ARC Flint Water Response Teams to the field today.
- MSP and local Sheriff's Department continue to provide over watch for WRTs.
- Aqua Hydrate contacted me to donate 5000 cases a month (4 semis) for a year. I was advised by Lindon Nelson this was a Governor/Mayor/Senator Ananich and Meekhof initiative and a press release was going to go out soon (TBD). Logistics is following up with them.
- News release sent from Governor's office about the appeal to the President of the disaster declaration.
- SEOC Logistics worked with JIC and Governor's office to establish a business resource submission tab on www.helpforflint.com
- SEOC Operations continued to develop and finalize Phase 2 canvassing roll out.
- Meeting held with Dr. Luri from HHS.
- Capt. Kelenske and other state agency financial personnel attended the appropriations hearing.
- End of day – concerns with the mass amounts of volunteers showing up and wanting to help. This can cause logistical issues but staff was working to get additional tasks for volunteers outside of the WRTs. We will continue to work on ways to involve more volunteers.
- Additional 5 person NG team for warehouse support approved.
- Information reported to the JIC:

    - As of 1/20/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 29,317 homes visited by the FWRTs to date.

    2. Distributed: Includes outstanding hard copy data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots).
        a. Number of cases of water 90,337

b. Filters 73,229
c. Filter cartridges 185,852
d. Test kits 19,866

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 111,630 (additional 18,502 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard ype 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Addressed reports of water contamination in distributed bottled and canned water. Confirmed that water is safe to drink through testing by MDEQ. Coordinating with JIC and MDEQ for improved public information on the issue.
- Identifying options to reroute unsolicited offers for supplies and services outside of the EOC. Coordinating to set up 800 number.
- Attended meeting with Flint & Genesee Chamber of Commerce to discuss coordination of efforts, representation at EOC, and improved messaging.
- Attended meeting with Community Foundation of Greater Flint to discuss coordination of neighborhood groups and improved messaging.
- Coordinated with MDARD to provide additional lead testing at restaurants, and signage for safe locations.
- Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment
- Coordinated and verified deliveries of supplies to apartment complexes.
- Discussed logistics requirements of delivery requests for homebound residents with SEOC Logistics.

Chris

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Update 1/19/16 – 15th Day (14th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Prepare plans for next phase of operation – Second sweep of city

Attached Documents:

- SitRep 14

Status on Governor's request letter to the President:

- Emergency declaration received.
- Appeal letter pending.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have 9 National Guard, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 5 state/local teams and 11 ARC Flint Water Response Teams to the field today.
- Messaging being developed for concerns regarding the Total Dissolved Solids (TDS) meters and citizens' concerns with those meters indicating "lead" in bottled water. Testing of water to be done by DEQ to ensure we have solid messaging.
- *DTMB is working to secure space in Flint for FEMA staff.*
- Press release went out this afternoon to announce that the US Department of Health and Human Services will lead the federal response in Flint. Capt. Kelenske to meet with Dr. Nicole Lurie, HHS Assistant Secretary for Preparedness and Response (ASPR), on Thursday. The goal of the federal response will be to help state and local leaders identify the size and scope of the problem, and work with them to make and execute a plan for mitigation of the short- and long-term health effects of lead exposure.
- 5 Additional NG personnel being requested to assist with Warehouse inventories.
- 100 NG personnel on the ground with the WRTs tomorrow with 100 more transitioning in.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- LG is going to be in Flint working at one of the PODs on Wednesday.
- Information reported to the JIC:

  - As of 1/19/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 22,129 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.
   a. Number of cases of water 77,794
   b. Filters 69,730
   c. Filter cartridges 184,457
   d. Test kits 16,671

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 95,760 (additional 16,056 donated)
   b. Filters 115,700
   c. Filter cartridges 243,200
   d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard ype 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Attended public health group meeting with GCHD, City of Flint Water Department and MDEQ to discuss water test information being returned to residents, to allow residents a greater understanding of results.
- Attended recycling/trash management group meeting with DEQ, Republic Services, Keep Genesee County Beautiful and Genesee County Planning Commission. Provided projections on current and anticipated bottle distributions.
- Coordinated deliveries of supplies to faith-based organizations, apartment complexes and homebound residents
- Coordinated with Comcast to set up locations for distribution of filters (distributed 60 filters on 01/19/2016).

Chris

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Update 1/18/16 – 14th Day (13th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) and PODs
- *Prepare for possible surge in FWRTs utilizing NG personnel*
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.
- Complete appeal for Presidential Major Disaster Declaration denial.

Attached Documents:

- SitRep 13
- Side by side comparison of homes with filters January 13th compared to January 18th. This should be hitting the media tonight. This took longer to create than I wanted but is the image I have wanted to show progress of getting filters in to the field.

Status on Governor's request letter to the President:

- Appeal in process.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 5-6 state/local agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
    - NG will be bringing in personnel to prep for surge.

Items to Note

- Beginning tomorrow the operational periods will be 7 days long.
- *The CDC/ATSDR (Agency for Toxic Substances Disease Registry) has deployed a team to Michigan.*
- An Arabic version of the palm card was reviewed and approved. This was developed via Arab American and Chaldean Council.
- Deployed 12 state/local teams and 10 ARC Flint Water Response Teams to the field today.

- DTMB is working to secure space in Flint for FEMA staff.
- Cost analysis to investigate if it would be more cost effective for FEMA to purchase water vs the SOM.
- ARC news release concerning the Volunteer Reception Center (VRC) sent out today.
- Media availability conducted today at 3pm at the VRC.
- Since 1/14/16 Michigan 2-1-1 has received three direct reports of bottled water testing positive for lead. DHHS SEOC Desk and DEQ SEOC Desk was able to contact two of the callers. The Zero Water filter (pitcher) has a handheld test device so people know when to change the filter. This TDS Meter measures dissolved solids (it is not a lead test). This was explained and we are going to work on messaging to ensure this does not cause issues. Dissolved solids are in all water. The water from the callers is going to be tested and a case of water from one of the companies will also be sent to DEQ for testing. Brands are Spartan Spring Water and Canned Water for Kids. The filter company is also going to work on messaging and work with us on this matter.
- Information reported to the JIC:

    - <u>As of 1/17/16 as of 5 pm (start date was Tuesday, 1/12/16)</u>

1. 21,393 homes visited by the FWRTs to date.

    2. Distributed:
        a. Number of cases of water 37,313
        b. Filters 53,713
        c. Filter cartridges 169,520
        d. Test kits 7,379

    3. Total number of customers on the Flint water system
        a. 29,944 paying customers
        b. 45,000 hookups (This is our high end target #)
        c. 39,000 includes apartment complexes (The is the low end target #)

    4. Resources purchased:
        a. Cases of water 82,992 (additional 16,056 donated)
        b. Filters 115,700
        c. Filter cartridges 243,200
        d. Test kits 61,161

    5. Teams going out tomorrow:
        a. · State ype 3 teams---Goal tomorrow 300 homes per team
        b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

<u>Local EOC</u>
Operations:

- Continuing to work with faith based organization to distribute resources.
- Working with colleges to obtain volunteers for canvassing.

Chris

<u>Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency</u>

<u>Mission focus for the day:</u>

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs), PODs

- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
  - Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state agency, type 3 teams , with a goal of 300 homes per team.
  - We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 11 state/local teams and 10 ARC Flint Water Response Teams to the field today.
  - 4,963 homes visited today.
- DTMB is working with DSEMIC and NC3 to monitor social media for information on cyber-attack yesterday.

01/16/16

- Approximately 5:00PM, Michigan.gov began to experience slowness in web page load time. Approximately 10 minutes later the Michigan.gov site became inaccessible caused by of a denial of service attack.
- IBM team was able to implement a mitigation strategy to stop the attack that began at 5:00PM. At 6:24PM the michigan.gov websites were again available to the public.
- Approximately 7:30PM, a new attack was initiated on the michigan.gov environment. The attack focused on the DNS servers and resulted in michigan.gov becoming inaccessible. Additionally, due to the nature of the attack other IBM customers were affected as well. IBM was able to implement a new mitigation strategy that resulted in the excessive traffic being blocked. At 7:53PM the websites were restored to normal operation.
- Shortly after the michigan.gov websites were restored, the State of Michigan was notified by our internet service providers that a DDoS attempt was made against our SOM DTMB servers in the external DMZ. Once detected, this attack was blocked and Michigan Cyber Security saw no signs of any other types of attacks.

01/17/16

- Genesee County was unable to access MiCIMS due to the State increasing filters. Michigan Cyber Security made adjustments to filter settings and their access to MiCIMS was restored.
- DTMB reached out to the City of Flint CTO, Paul Knific, offering any support they need. Right now they feel they have bigger issues than trying to get some of the things back online.

We currently do not have any additional information on the attacks on the City of Flint (cityofflint.com) or Flint Township Police (flinttownshippolice.org) websites. We'll continue to pass information along as we receive it.

- Information reported to the JIC:
  - As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 27,195
    b. Filters 50,432
    c. Filter cartridges 168,605
    d. Test kits 4,861

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. ! State (s) type 3 teams---Goal tomorrow 300 homes per team
    b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.
- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have 10 state agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.
- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed 11 state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- NG will have a total of personnel in the PODs for distribution. Mission has not changed.
  - NG soldiers have been in the PODS. more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.
- Information reported to the JIC:

  - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

2. Distributed:
   a. Number of cases of water 20,876
   b. Filters 47,935
   c. Filter cartridges 167,401
   d. Test kits 3,322

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:
    a. :ate . type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

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Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed
- Continue with door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.
- When we get the declaration(s) ... I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have state agency, type 3 teams with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
    - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).
- I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 10 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.

    - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 18,576
    b. Filters 45,916
    c. Filter cartridges 165,382
    d. Test kits 3,217

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 44,688 (additional 12,884 donated)
    b. Filters 78,520
    c. Filter cartridges 163,081
    d. Test kits 18,761

5. Teams going out tomorrow:
    a. State) type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.

- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

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Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.
- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.

- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.
- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.
- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but it appears we have filters in over half the residences):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	**3417**	**394**	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	3741			
Future sample test site	114	28	34	52

Chris

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Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and close lease on warehouse space
- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- *Continue to work on Governor's Declaration of an Emergency*

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
    - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
    - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
    - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
    - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA
- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- The door to door teams will continue at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- MNG will have a press event at the armory with incoming soldiers and MG Vadnais.

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.
- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP get supplies, receive a mission location and deploy.

- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377
Resources			
Door Hangars	473	217	256
Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. The current plan includes:
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.
            - Local EOC support for other local requests (Faith based for distribution, etc.)
        - Three warehouse locations at this time
        - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.
    - Water (cases) - 19,152 cases delivered

- Budget projection completed and will be submitted to SBO for review.

- Notes from Water Response Team Command (MSP)
    - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
    - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
    - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)

Attached Documents:

- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:

- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
    - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
    - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
    - Ordered:
        - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
            - 1/3 is going to GCCARD and the rest is going to the new warehouse
        - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
    - Today's numbers
        - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
            - 2,000 – Brita filter faucet mounts
        - Filter Replacements
            - 2,400 – Brita filter replacements (single pack)
            - 8,000 – Brita filter replacements (two pack)

- Ordered on 1/12/16 to arrive Wednesday
  - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
    - 10,000 – PUR Vertical faucet mount
    - 2,500 – PUR Horizontal mount
  - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
    - 10,000 – PUR replacement filters (3 pack)
    - 10,000 – PUR replacement filters (single pack)
  - PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)
    - 10,700 – PUR combo packs

- To arrive Thursday
  - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 1,300 – Zero Water pitchers
  - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 11,000 – PUR vertical faucet mount
    - 1,500 – PUR Horizontal faucet mount
    - 5,000 – Brita faucet mount
    - 10,000 – Brita adv faucet mount white
    - 12,000 – Brita adv faucet mount chrome
  - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 117,600 – PUR replacement filter

- Test Kits
  - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
  - 500 have been assembled and are ready for distribution
  - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
  - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
  - 100, 000 square feet of secure warehouse obtained.
  - Accepting commodities beginning Wednesday, January 13

- Logistics Support
  - The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
  - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
  - We are working on version 2.0 so this can be used at the PODs
  - We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
  - Notes from the field commander:
    - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
  - In the end, there were 394 total home visits with the following breakdowns:

    - 217 Door Hangers
    - 152 Vacant Homes
    - 117 Water Distributions
    - 112 Filters
    - 3 Pitchers
    - 48 Water Test Kits
- 211
    - CALL VOLUME:
        - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:

- SitRep 6

Key items for tomorrow to note are:

- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
    - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.
    - The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note

- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.
- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

• Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
• Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
• *Working to establish a warehouse for local resource storage.*
• Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
• Discussed potential long term water sources between local EOC and SEOC.
• Established planning cycle/meeting scheduled for 1/12/16.
• *Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.*

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; however, there may exist opportunities to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

    - We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
    - A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***
    - An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to supplement State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***
        - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
    - Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is beyond the capability the state and affected local governments, and that the state requires supplementary federal emergency assistance to save and to protect property....***

- Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
    - Debris Removal = ***self-explanatory and we do not have this***
    - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
    - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

Key items for tomorrow to note are:

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.
    2. Ensure accurate tracking and accounting of all commodities.
    3. Improve and maintain public information strategy.
    4. Develop a long term public health and services plan.
    5. Ensure adequate staffing to support operational requirements.
    6. Identify possible assistance programs.
    7. Develop an approved GIS strategy.
    8. Maintain coordination between partner agencies and organizations.
    9. Enhance situational awareness and common operating picture of all activities.
    10. Develop a comprehensive Recovery Plan.

Items to Note

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.
- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.
    - The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (looking at private sector partners to assist, especially with the warehouse management side).
    - GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.
- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).
    - 12,386 filters
    - 1,985 replacement filters
    - 354 Pitchers

- 2500 Lead Testing Kits

- *Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to* ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
  - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
  - We have ordered an additional (expedited delivery with ETAs tomorrow)
    - 40,000 Brita Filters
    - 40,000 Brita Replacement Filters
    - 1000 Zero 8-Cup Pitchers
    - 1000 Zero 8-Cup Pitchers
    - 2000 PUR Replacement Filters
    - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- JIC Items
  - Requested PSA on the radio. Media has been approved and working with MAB.
  - Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
  - A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
    - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
    - JIC moving tomorrow to Flint.

<u>Local Emergency Operations Center</u>

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

<u>Fire Station Inventory Levels:</u>

Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up replacement filters from Home Depot and deliver.

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.

- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.
- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.
- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information ... I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.
- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.
- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.
    - Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
    - Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
    - GIS maps will provide guidance on deployment locations for these teams and other teams in the field.
- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

MSP/EMHSD GIS Section Updates

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.
- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

Local Emergency Operations Center

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff (2-positions) will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
    - Logistical activities to support church operations.
    - Logistical activities to support fire stations operations.
    - Coordinate Donations Management activities and draft donations management plan
    - Coordinate Volunteer Management activities
    - Identify local storage/staging facilities
    - Overall inventory tracking
    - Tracking of Points of Distribution (PODs)

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
  - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
  - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.
- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.

- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:

Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**
- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**

        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.
    5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
    6. Develop a comprehensive GIS strategy.
    7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
    8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
    9. Provide technical assistance to the local Damage Assessment process.
    10. Establish a Joint Information Center (JIC) and develop a public information strategy.
    11. Monitor MI CIMS for resource requests and address as appropriate.
    12. Establish and disseminate cost center information for the incident.
- Additional tasks include:
    - Determine what federal agencies are already involved and their status
    - Identify potential water supplies
    - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
    - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
    - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC
- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
    - Water Pipeline Locations
    - Filter Distribution Locations
    - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
    - Affected School Locations
    - Predictive analysis of blood lead levels for affected area

    - Updated Parcels
    - Demographics
    - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

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Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 20, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested for Lead 10/1/2015 to 1/8/2016: 2,642;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 28
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 15
Severity Indicators: Hospitalized/Discharged - 1/1; Deaths - 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/20/2016
  - 23 families contacted
  - 17 EBL investigations completed.
  - 17 Water sampling completed.
  - 8 Homes where water filters were observed
  - **10 EBL Reports Received.**
    - **10 homes with lead dust hazards**
    - 3 homes with lead in soil hazards
    - **9 homes with lead-based paint hazards**
    - **6 homes with lead detected in tap water**
      - 1 home with lead water levels greater than 15 ppb
  - 4 investigations scheduled.
  - **6 applications received for the Lead Safe Homes Program,** 1 family enrolled.
- 1 home was found to have elevated lead concentrations (72 ppb) in water from a bathroom tap. The family has been advised not to use the tap for consumption or brushing teeth. An additional filter will be provided to the family and options for replacing the fixture will be explored.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- CM report through 1/8/2016:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 134 (0-5 year olds) and 12 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: 30 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- Developed metrics related to elevated blood lead testing among children < 6 years of age in Flint who are enrolled in Medicaid.
- Held conference call with CDC to discuss development of tools related to identification of and recommendations for facilities at greater risk for transmission of opportunistic pathogens.
- Updated Analysis/Summary on first illness wave investigation with recently acquired patient information and illness-related mortality standard.
- Supplied Legionellosis cases to Vital Records for linkage to ascertain any unreported deaths.

Filter & Water Distribution Sheryl Thompson

- **Filters distributed January 1-20, 2016**

Brita Filters	**1,706**
Zero Water Pitchers	**204**
PUR Filters	**92**
Replacement Cartridges - Brita	**2,157**
Replacement Cartridges - PUR	**382**
Replacement Cartridges - Zero	**247**

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Hosted site visit from ATSDR/NCEH staff.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - No Updates

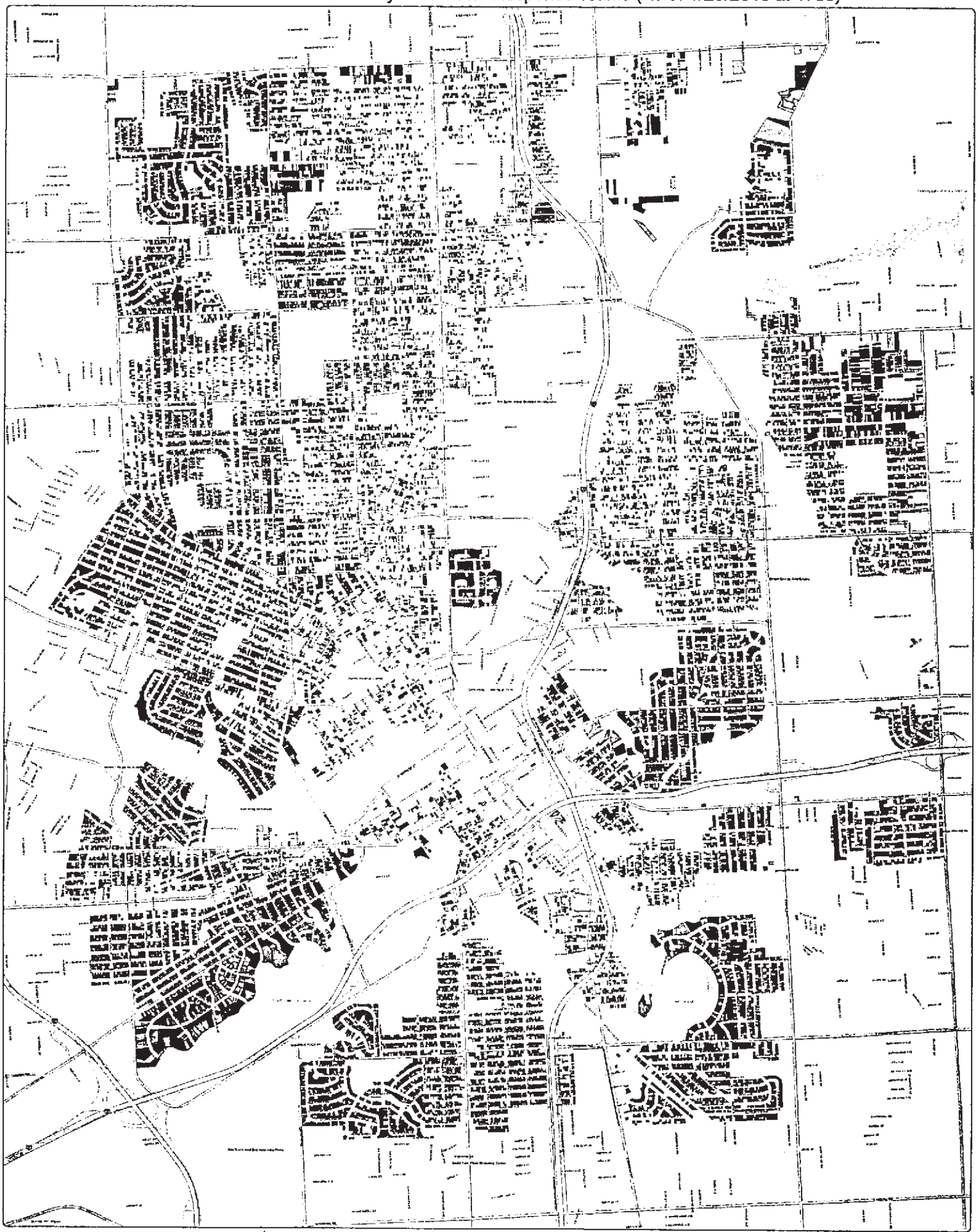
WIC - No updates.

Healthcare/Providers - No updates

DEQ Information - Linda Dykema as Liaison

- DLARA plumbers will replace fixtures at Freeman Elementary School that were previously tested and found to have > 15 ppb of lead in the water. MDEQ will conduct a "deep flush" of the school plumbing since many lines have been unused for several months. MDEQ will then retest of the water from the new fixtures to confirm whether or not these efforts have been effective in reducing or eliminating exposure to lead in the water.

Residential Parcels Contacted by Flint Water Response Teams (As of 1/25/2016 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Parcel Contact Status

- Visited | Occupied
- Visited | Occupied | Not Home
- Followup Required
- Visited | Not Occupied

Miles 0 0.375 0.75

Feet 0 1250 2500

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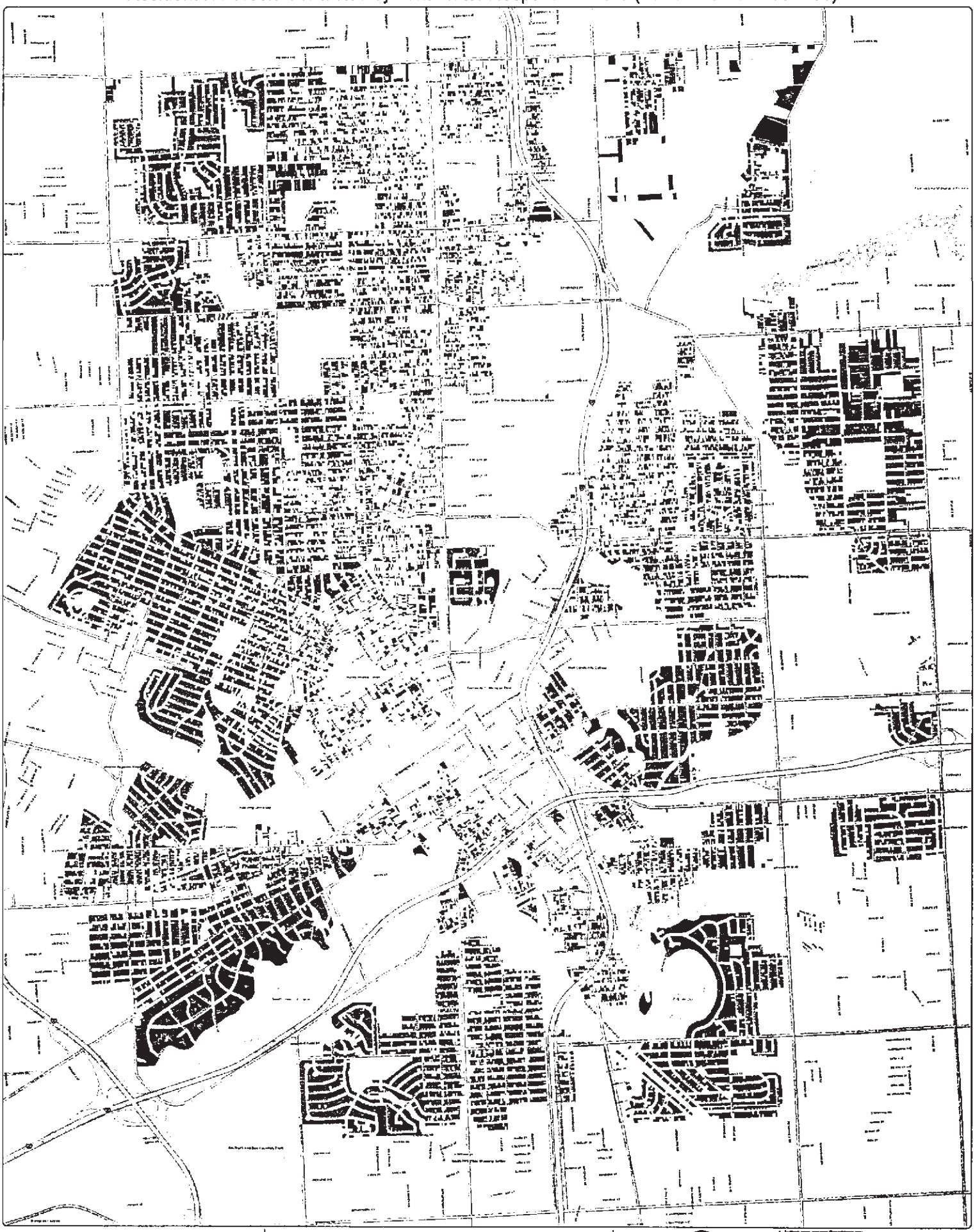
Residential Parcels Contacted by Flint Water Response Teams (As of 1/25/2016 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Parcel Filter Status (Multi-Tenant Excluded)

- Subscriber | No Filter
- No Subscriber | No Filter
- No Subscriber | Filter
- Subscriber | Filter

Miles 0 0.375 0.75
Feet 0 2500

Author: [illegible]
Created: 01:17 PM, 25 Jan 16

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Damage Assessment and Emergency Status Report

MI CIMS Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/19/2016 08:00:00
Operational Period End:	01/26/2016 08:00:00
Situation Report No.	20
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/25/2016 08:00:00
SEOC Hours of Operation End:	01/25/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 25):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Resources.
- Public Information Control.

- Logistics:
- Worked with FEMA/DHHS on warehouse tracking status/strategy.
- Worked with MDOC on warehouse management transition.
- Ordering and projecting future orders of water resources and commodities.
- Worked on future resource planning.
- Worked on local business commodity supply plan.
- Coordinated and followed through on various resources requests with state agencies.
- Continued inventory monitoring and rapid response resolution and tracking.
- Participated in conference calls with the Governor's office and private partners on potential alternative filtration systems for schools, daycares, etc.
- Created a form for drivers to track rapid response deliveries.
- Ordered 5 iPads for each rapid response driver to track deliveries.

- JIC:
o Media avail at fire station 8 this morning received positive news coverage.
o The NAACP is holding a public meeting at U of M Flint on Tuesday.
o Rachel Maddow will hold a town hall meeting on Wednesday.

- Recovery Branch:
o Updated Flint Water Response Team plan for tomorrow.
o Updated ICS 204 forms (Obj. 1 and Obj. 6) for the new operational period.
o Continued demobilization of resources from team ramp up.
o Attended Local EOC briefing, Tactics Meeting, Operations Plan Meeting, and Distribution Process Meeting.
o Worked with GIS to acquire addresses for water response team responses.

o Data is for 1/25/16 as of 5:00 pm:
o Total homes visited.
□ 313 (visited after 5pm 1/24).
□ 2,596 (round 3).
o Water Cases.
□ 192 (delivered after 5pm 1/24).
□ 1,041 (round 3).
o Replacement Cartridges.
□ 55 (delivered after 5pm 1/24).
□ 0 (round 3).
o Faucet Filters.
□ 57 (delivered after 5pm 1/24).
□ 524 (round 3).

- Planning Section:
o Published Sit Rep # 20.
o IAP # 7 developed and approved today.
o Worked with Resource Unit Leader and Logistics to enhance number tracking.
o Participated in daily conference calls (local, state agency and distribution process meeting).
o Provided burn rate data from PODs and FWRT to FEMA.

- Operations Section:
o MDOC assumed all warehousing responsibilities today.
o 54 Red Cross volunteers were active across the operation today.
o 81 Event based volunteers were active on the operation today.

o 65 National Guard on ground today.

o Warehouse Numbers for today were not able to be captured this evening but will be reconciled and sent first thing tomorrow morning.

o PODs (1700 1/24 – 1600 1/25).
□ Water (cases).
• 8,994.
□ Filters (faucet).
• 597.
□ Replacement Cartridges.
• 722.
□ Filters (pitcher).
• 7.
□ Test kits.
• 502.

• Finance Section:
• Discussions with state agencies to explain SEOC financial processes and the current emergency declaration accounting policies for response efforts.
• Discussion with Keith Francis, Genesee County Controller, to explain current emergency declaration, what Category B costs are and why EMHSD is asking for those costs from all state agencies and locals.
• Reviewed state agency financial information received for update to current spend plan.
• Reviewed Donations Management plan in an effort to obtain more information from the warehouse due to FEMA requests for information.

• GIS Branch Updates:
• Produced updated distribution maps for the JIC.
• Produced updated map to assist with team assignments for tomorrow.
• Work on verifying LARA's facilities on the Flint Water System and those visited by Water Response Teams.
• Removed Vulnerable Populations web map due to HIPPA concerns.
• Geocoded and incorporating 3690 data records from 1/6, 1/7, 1/8, 1/9, 1/17 from the Office of Genesee County Sheriff and points from 1/17 from Water Response Teams.

DTMB:
• Worked with the department of corrections today to coordinate state assets for continued support of operations tomorrow.
• Worked with logistics to return rented vehicles and consolidate resources.
• Working to secure additional space in Flint State office building for FEMA.

DHHS-CH:
• Coordinating with the DEQ to ensure household testing data is available to the public.
• CHECC remains operational today to field information requests.

DEQ:
• Working with EPA to address issue with chlorine pumping station.
• Activated DEQ ECC to work on long term planning.
• Working to modify laboratory reporting.
• Working to disseminate school sampling data on website.

Local EOC Update:
• Coordinated with Food bank of Eastern Michigan for issuing of Resource Request.
• Coordinating and following up on vehicle demobilization.
• Facilitated rapid response deliveries to special locations.
• Finalizing components of recycling program.
• Received authorization to operate bottle collections for recycling at Fire Station 1 and 5 PODs.
• Initiated activities to plan for inclusion of institution sampling (schools, daycares, nursing homes, etc.) in Genesee County EOC IAP.
• Coordinating volunteer management with Michigan Community Service Commission.

Incident Response/Recovery Priorities/Objectives

(Objectives are in order of priority with original objective number attached)

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
7. Gather, analyze, and disseminate GIS data to develop products for future planning.
10. Collaborate with local and volunteer agency partners to solidify the Flint Water Operations Plan.
3. Improve and maintain the public information strategy and process.
8. Maintain coordination between partner agencies and organizations to include FEMA IMAT and the FWICC
4. Develop a long term public health and services plan.
6. Develop an overview of possible assistance programs.
9. Enhance situational awareness and common operating picture of all activities.
5. Continue to maintain adequate staffing to support operational requirements.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Declaration of Emergency for Michigan Contaminated Water (EM-3375), 1/16/2016

Weather Conditions

Watches/Warnings

Upcoming Forecast

Forecast Update for Flint, MI - January 25

- Rain showers likely after 6pm Monday evening (January 25) through much of Monday night.
- Rain should change to light snow late Tuesday morning (January 26) with on and off snow through late Wednesday morning (January 26). Less than 1 inch of snow accumulation expected.
- Breezy Monday afternoon (January 25) through Tuesday night (January 26). Wind gusts under 30 mph. Tuesday (January 26) will be windier than Monday (January 25).

High temperatures Monday (January 25) through Saturday (January 30) in the upper 20s to mid 30s.

Risk for frostbite from exposure over the next week is low unless exposure time for the individual is several hours in length with the person engaging in little to no activity.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSla

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was expected to be operational in Flint from 8 a.m. to 8 p.m. on Jan. 25.

State agencies at the JIC included the Michigan State Police and Departments of Environmental Quality, Health and Human Services, Agriculture and Rural Development, Transportation, and Military and Veterans Affairs. The Federal Emergency Management Agency, Genesee County Sheriff's Office and American Red Cross were also present.

Tasks accomplished:

- Held a media availability at Flint Fire Station No. 8 to provide an update on the activities and mission of the water response teams. Maj. Gen. Gregory Vadnais, Spl/F/Lt. Dave Kaiser, Genesee County Sheriff's Office and the American Red Cross participated in the event. Roughly 10 local, state and national media outlets attended.
  - o MSP F/Lt. Dave Kaiser conducted interviews with WNEM-TV 5, ABC 12, and MLive after the briefing. Maj. General Vadnais

conducted a live interview with WNEM-TV 5 during the noon newscast.
• Media hotline staff answered over 10 emails and phone calls ranging from donations to updates about the water response teams.
• Key agency PIOs conducted multiple news interviews throughout the day, including interviews with Michigan Radio, Flint Journal and Detroit News.
• Coordinated with FEMA to arrange a Congressional/Legislative briefing for tomorrow afternoon.
• Created a media monitoring report and looked for information requiring correction; found none.
• Updated internal and general talking points about the ongoing Flint water emergency.
• Continued routing public information materials for approval, including communications from MDE and MDARD.
• JIC is planning to issue the nightly activity news release around 7 p.m.

Agriculture and Rural Development (MDARD)

Monday, Jan. 25 - Compliance Tracker spreadsheet drafted to be updated daily based on field assessments of food operations in Flint. Once approved, this spreadsheet will be posted on the Flint water website daily. Additional field assessments completed since COB Friday is 41 (3 from the high risk list); and 7 additonal water samples were taken. Conference call with animal industry stakeholders being planned. Responded to referrals from the JIC regarding questions about animal health.

American Red Cross (ARC)

The American Red Cross deployed and supported 11 teams for neighborhood canvassing (Water Response Teams). 33 Event-Based volunteers were included in our teams.
The Volunteer Reception Center (VRC) was in full operation today.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC entities. The Michigan Civil Rights Commission (MCRC) has adopted a resolution to hold hearings on the Flint water crisis starting in the next 30 days; will post/forward a copy of the resolution once it becomes available. Pursued copies of the palm card/door hanger and water sampling instructions in all available languages. Reviewed media coverage of local protests and weekend water delivery/community engagement activities. Addressed concerns received from staff from community and advocates through internal channels.

Community Health (MDCH)

The CHECC remains activated at a Level 2. Phone bank received a low volume of calls today.

MDHHS leadership and CHECC staff met with federal partners from SAMHSA and CDC/HHS today to discuss technical assistance and federal activities. Michigan's HHS Regional Coordinator will serve as the lead within a Unified Coordination Center that will be stood up within the next couple of days to help streamline information and coordinate activities. An LNO will be located in the CHECC and serve as the liaison between the Unified Coordination Center and MDHHS.

Confirmed with the local health department that the palm cards that have been translated to Arabic will be delivered to Flint's Arab-American Heritage Council.

Participated in tactics meeting and updated ICS Form 204.

Confirmed with FEMA that blood lead testing kits may be an allowable purchase under the "other related necessary resources" within the Emergency Declaration if, and only if, the State and Locals are unable to procure them otherwise. Therefore, MDHHS has proceeded today with fulfilling the LHD order for blood lead testing kits and ancillary supplies.

Corrections (MDOC)

At this time the MDOC has assumed responsibility for all warehouse operations. The mission is to supply the PODS (Point of Distribution) with water, filters and test kits. Additionally, we will be handling requests to support "rapid response" deliveries as directed for homebound residents and deliveries identified by the Local EOC and SEOC. Lastly, we will also be assisting in returning rented and donated vehicles to their point of origin.

We continue collecting and delivering water test kits from Flint to the DEQ lab in Lansing.

We will continue to fill resource requests and track/monitor all ground resources throughout the week and report the final assets in our daily reports.

The MDOC will have the following resources dedicated to Warehouse Operations for Tuesday, January 26, 2016:

(13) - MDOC employees

(6) - MDOC SAI prisoners w/Corporal – SAI supplying

(2) - Passenger vans w/driver – SMT and RGC supplying

(1)- Regular Cab Pickup w/driver – Regional Maintenance supplying

(1) – F-250 Pickup – Mike Whitford and Lt. Fred Bevins supplying

(5) – Box Trucks w/driver – DRC, WHV (Vehicle Only) and Regional Maintenance supplying

(1) – 20 Person Shuttle Bus w/driver (Sent to Red Cross Volunteer Sight) – Mike Whitford and Lt. Fred Bevins supplying

(1) - 53' Refrigerated Semi-Trailer – Mike Whitford and Fleet Supplying

(3) - Electric Pallet Jacks - Regional Maintenance supplying

(7) – Hand Pallet Jacks - Regional Maintenance supplying

(1) – Warehouse Manager - Regional Maintenance supplying

(1) – Warehouse Security Person w/vehicle – TCF Supplying

All vehicles drivers have 800 MHz Radio Operability (G EVENT 9)

Education (MDE)

1. The Michigan Department of Education (MDE) is requesting additional USDA Commodity Foods under the Household Disaster Feeding Distribution program from the United States Department of Agriculture (USDA) Food and Nutrition Service (FNS). These additional foods will be distributed to eligible TEFAP (The Emergency Food Assistance Program) participants by current distributing agencies within the 16 affected zip codes for the Flint Water Crisis.

2. USDA approved the request from the Michigan Department of Education (MDE) submitted on January 21, 2016, seeking additional federal funds in the amount of $62,700 for immediate expansion of the Fresh Fruit and Vegetable Program (FFVP) in Flint, Michigan.

3. Michigan School for the Deaf report that Lieutenant Governor visit went very well. No issues reported.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:

Coordinated GIS support staff from DNR and EMHSD. ARC GIS accounts to be established for support staff, DEQ Director, DEQ EMC and DEQ SEOC Representatives to view all available data.

Requested modification to iPad application utilized by volunteer plumbers who are assisting residents with water filter installation to allow for capturing the water service line type.

Activation of the department emergency coordination center and establishment of SharePoint site.

Requested IT support for modification of laboratory Crystal Reports this has been fulfilled by DTMB.

Forwarded Holmes STEM Academy, Doyle Ryder Elementary and Potter Elementary Reports to SEOC PIO for posting to website.

Human Services (MDHS)

MDHHS Budget provided break down of funds expensed through 01/25/16 on the Flint Water Project.

Conferencing with 211 about their concerns, their ability to cover surges of calls, and a standardized form for rapid response deliveries.

CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

-Updated the LARA Executive Team

-Re-assigned translation of water analysis request forms to DTMB; they have a resource that can provide translation of documents with 24 hour turnaround.

-Finalizing Health Care Facility survey information and comparison.

Military and Veterans Affairs (DMVA)

1. DTG: 2516002016

2. UNIT: Points of Distribution (PODs), TF FLINT (1-125 IN)

3. POC: 1LT Roland, John G. Cell: 7 Email: john.g.roland2.mil@mail.mil

4. PRESENT LOCATION: Genesee County Local EOC, 1101 Beach St., Flint, MI, 48502

5. SITUATION OVERVIEW: 1-125 IN has Soldiers deployed to the Flint Water Crisis in support of Distribution Operations at the Points of Distributions (PODs). Daily operations consist of receiving, tracking, and issuing out water, filters, replacement filters, and water test kits.

6. OWN SITUATION DISPOSITION /STATUS: Currently 1-125 IN has Soldiers on ground supporting the mission.

7. OPERATIONS: Operations for the next 24 hours are to sustain water/filter distributions throughout the esignated fire stations and track all distribution incoming and outgoing through the PODs.

8. PERSONNEL: Soldiers are currently assigned to the POD operations. Soldiers are assigned in five teams at Fire Stations 1, 3, 5, 6 and 8.

9. INTELLIGENCE / FORCE PROTECTION: No force threats have been identified.

10. LOGISTICS: PODs are short on pallet jacks.

11. COMMUNICATIONS: No communications issues at this time.

P: 800 MHz radios issued to PODs and WRTs.
A: RRF cell phones alternate for WRTs.
C: Personal cell phone
E: Runner

12. NARRATIVE: N/A

13. COMMANDER'S EVALUATION:
• Changes to water distribution guidelines have been implemented seamlessly with each change. Proficiency and efficiency in reporting procedures for filter/water distribution and tracking has improved the logistics of keeping water in stock at the PODs.

National Weather Service (NWS)

NWS Detroit will begin providing morning SEOC brief and Activity Log posts effecting Tuesday, January 26th. Jim Maczko from NWS Grand Rapids will be the contact point for any changes in NWS Support and will also continue to update the Sit Rep Executive Summary as needed.

Participation in afternoon SEOC briefings is planned only if significant changes in the forecast occur.

Natural Resources (MDNR)

MDNR LED continues to support its QOL partners with staffing at the SEOC.

Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging (VAAA) continues to receive phone calls from concerned seniors in Flint and continues to make referrals to the Genesee Co. EOC for water and filter follow-up.

VAAA's local Nursing Home Ombudsman continues to monitor Flint area Nursing Homes to ensure residents have access to safe water.

Contact info for VAAA Executive Director is:
Kathryn C. Boles
President, CEO
Valley Area Agency on Aging
225 E. Fifth Street, Suite 200
Flint, MI 48502
(810) 239-7671
(810) 239-8869 fax

State Police (MSP)

11 Red Cross Teams completed WRT duties, homes continue to be visited. MDOC continues to staff the warehouse, and the Michigan National Guard staffed 5 distribution PODS.

The ⌣ cyber trained personnel from MING who were called upon to support Michigan State Police, Michigan Cyber Command Center at the MC3 located on the 3rd Floor of State Police Headquarters reported to Headquarters on 1/22/16. MING personnel are currently on stand-by and will be called upon when needed.

Technology, Management and Budget (MDTMB)

Genesee Sherriff Dept is retaining 20 IPADs for extended use
Arabic Palm Cards have been printed. Working with Logistics on delivery.
3 trucks to be redeployed for POD resupply 1/25
Demobilizing passenger vehicles and U-Haul trucks.
Providing additional office space for Federal partners at the Flint State Office Building.

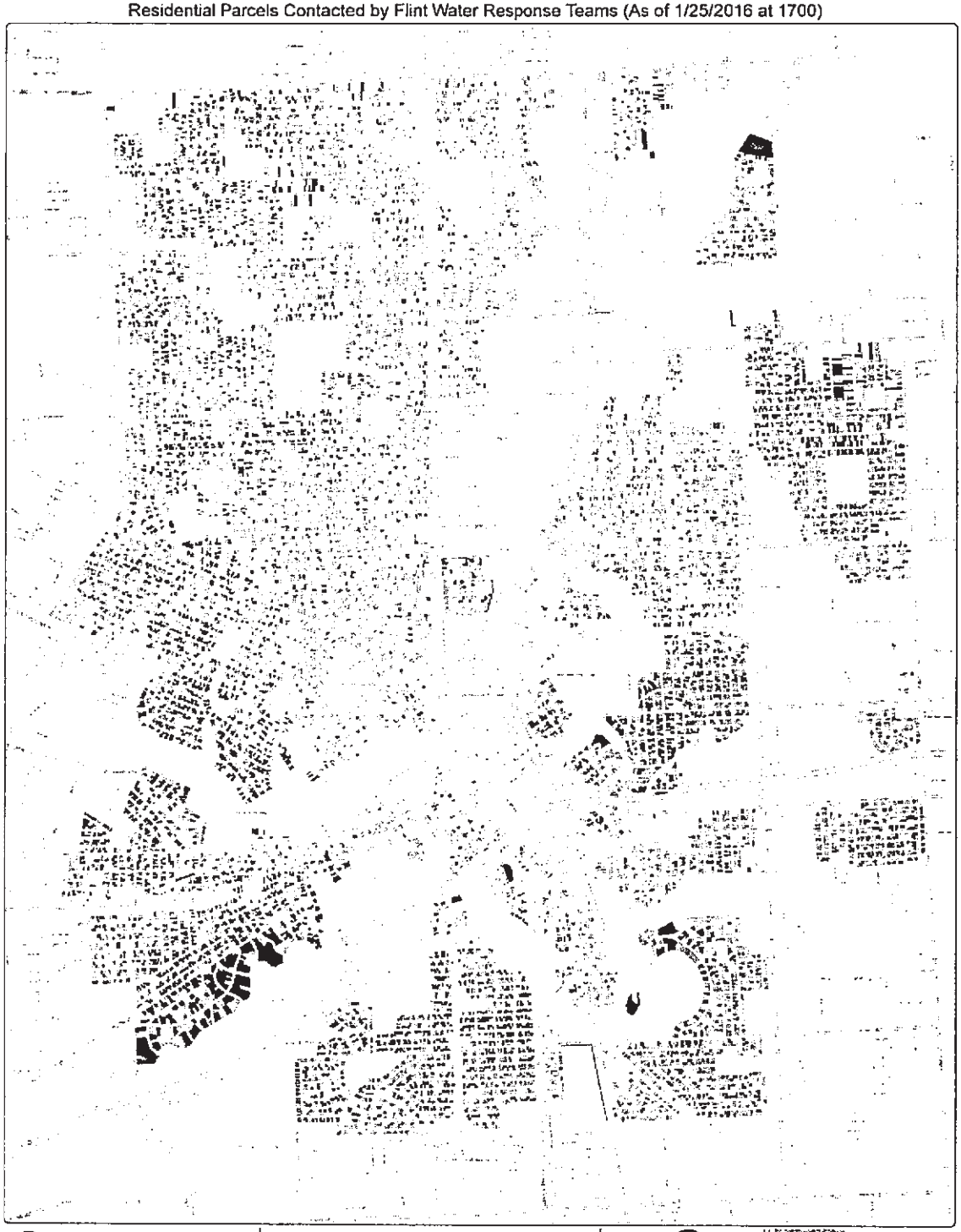
Transportation (MDOT)

MDOT is providing traffic measures at Fire Station #6 on Pierson Rd. and Fire Station #3 on Martin Luther King Blvd:
-4 portable changeable message boards (2 each site).
-100 grabber traffic cones (narrow reflective cones) (50 each site)

Incident Related Images

Parcels contacted by FWRT

Residential Parcels Contacted by Flint Water Response Teams (As of 1/25/2016 at 1700)



Michigan State Police
Emergency Management and
Homeland Security Division

Parcel Filter Status (Multi-Tenant Excluded)
Subscriber | No Filter
No Subscriber | No Filter
No Subscriber | Filter
Subscriber | Filter

Higgins, Lori (MSP)

From: Kelenske, Chris (MSP)
Sent: Friday, January 22, 2016 9:07 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Snyder, Rick (GOV); Calley, Brian (GOV)
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/22/16 - Flint Water - Limited Distribution
Attachments: SitRep17.pdf; HHS PPP.PPTX

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Update 1/22/16 – 18h Day (17th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue door to door/Flint Water Response Teams (FWRTs)
- Plan for next phase with MSP and NG personnel
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep # 17
- Briefing provided to the HHS Undersecretary by FEMA *(due to time only finished 75%)*

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- National Guard/State/Local , type 3 teams
- 40 ARC (2-4 folks) type 5 teams
- Deliveries going out to all churches on our list we have been working with (21) for Sunday services.
- I will not be in the SEOC Saturday. Tony Katarsky will be the acting SEOC state director. I will be available by phone (wrestling meet).
- Sunday, Lt. Mike Johnson will be acting SEOC state director but I may be in for some of the day.
- Monday I am out on a college visit with my son...I will be available by phone and Tony will again be acting.

Items to Note

- *Deployed 15 state/local teams and 15 ARC Flint Water Response Teams to the field today.*
- SEOC Operations worked on getting local contact into the JIC along with developing messaging for resources and donations.
- SEOC Planning worked on the further development of long term strategy.

- Recovery branch continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday.
- SEOC logistics worked with FEMA/DHHS on warehouse tracking status/strategy, coordinated resources, and donations management.
- Have had a number of media request concerning resources for immigrants and population less proficient in English. Clarified with a news release that we are not requiring ID but we are asking for addresses to assist with long term recovery. Nobody will be denied resources if they fail to provide us an address.
- Have received numerous inquiries from celebrities on how they can assist and donate.
- We are validating a lot of data but what we have currently is 38,144 parcels in Flint that are not considered "vacant". This does not mean all parcels have a tenant, there are a lot of houses that are empty.
    - 26,673 water subscribers in Flint (not including franchise).
        - Water Subscribers with a Filter = 15,399 (57.7%)
        - Water Subscribers without a Filter = 11,274 (42.2%)
            - With our second pass we are getting more information as to why people do not have a filter. Looking into whether these include homes connected but nobody currently living there. We are refining the data.
    - 11,471 Non-Water Subscribers in Flint.
        - Non Water Subscribers with a Filter = 2,196 (19%)
        - Non Water Subscribers without a Filter = 9,275 (81%)
    - The SEOC Ops Chief has been directed to firm up all numbers with GIS. We have a GIS specialist from FEMA Region V also deployed to the SEOC to assist. ArcGIS has advised us that the amount of data we have collected is more than some major disasters in other states. We are looking into getting their personnel more engaged to ensure we are using all the tools available for analysis.
- SEOC Finance Chief is working on costs to date and all SEMCs were advised to tighten up their records and ensure we have accountability of all costs.
- Information reported to the JIC:

    - <u>As of 1/22/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)</u>

    1. Homes visited by the FWRTs to date.

To Date	1/22/2016
37,697	5,920

    2. Distributed: Includes outstanding data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots.)

Commodity	Total to Date
a. Number of cases of water	121,404
b. Filters	82,687
c. Filter cartridges	191,704
d. Test kits	23,415

    3. Resources purchased:
        a. Cases of water 130,782 (additional 21,682 donated)
        b. Filters 115,700
        c. Filter Cartridges 266,200
        d. Test kits 61,161

    4. Teams going out tomorrow:
        a. National Guard State (t) type 3 teams -- Goal tomorrow 300 homes per team
        b. 40 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

Operations:

- Worked to identify all vulnerable populations to help streamline Hot Shot process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas.
    - Working on finding a new POD for 3 and 6. We are aware that the mayor would need to approve this.
- Coordinated water donations and delivery areas.
- Last minute large donations of water and volunteers expected during the weekend.
- Working on finalizing a recycling plan for the incident.
- The Jail water has been tested and is fine. The prisoners are not being poisoned and the local health department is working on clearing this issue up.
- Working on a plan with the churches to have 4 mega sites for churches (N,E,S,W) and have smaller churches work through these sites to get supplies. Churches are interested in the recycling program, putting information in their bulletins and also used a collection sites.
- Team Rubicon is coming tomorrow to assist with home deliveries.
- Continuing with recycling plan. Need to identify sites with city. Local EOC has visited areas with the local contractor.

Chris

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Update 1/21/16 – 17h Day (16th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) - "Phase II"
- Plan for next phase with MSP and NG personnel for Governor approval – "Phase III"
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration
- Work with HHS personnel to ensure they have all items needed for operations

Attached Documents:

- SitRep 16
- Draft Water Operations Plan for moving to next phases (Discussion document)
- Resident Water Sample Results Map (Not for public distribution)
- January 13-19 comparison map

Status on Governor's request letter to the President

- Emergency declaration received. Pending decision of Major Disaster appeal and any denials under the Emergency Declaration (e.g. Category B). We have not been denied category B yet … POTUS/FEMA has not given it to us though. I believe we may get a denial of category B in conjunction with the Major Disaster appeal decision. We will have 30 days to appeal.
    - Category B is critical in that it is for Emergency Protective Measures which includes (but is not limited to) EOC related costs, supplies and commodities, safety inspections, and in limited circumstances "water testing and treatment supplies in the immediate aftermath of the incident to counter a specific threat." We purposely put our start date of this incident to be April 25, 2014 in hopes we get category B

and could get 75% federal funds for many other costs all the way back to 2014 – long shot but would be huge if we land this.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have National Guard/state/local agency, type 3 teams , with a goal of 300 homes per team.
  - We will have 15 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- We are using the terms Phase II, Phase III, etc. These are for internal discussion for planning and not meant for public dissemination at this time unless it is determined to be beneficial.
- The draft operations plan (attached) was completed in conjunction with MSP and NG personnel to initiate discussion on our next steps as to WRTs and PODs.
- The WH issued a statement that $80 million dollars in aid to MI mostly to repair Flint water infrastructure. We do not have additional information on this. This may be existing federal funds provided to MI that is just being opened up for other use. FEMA does not have any information on this.
- We have been advised we exceeded the $5 million under the emergency declaration. We are at $7.6 million.
- FEMA has advised that any donated items can be used to offset the state cost share. We are working on the mechanism with FEMA to do this.
- Deployed 18 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- SEOC logistics worked to project future orders of water resources and commodities.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- DEQ test kits are only being provided to those who ask for them.
- I made contact with Senator Ananich aid, Julie Townsend, who was a POC for his volunteers. They are set to work next week on the 30th.
- MDOT met with city personnel to look at Station 6 POD and other PODs to see how traffic flow can be facilitated and safety increased. Additional report out due 1/22.
- A request from MSP MC3 for NG Cyber personnel (3 at $32,000 for 30 days or less) was initiated. This is to assist with the cyber attacks that have occurred/future attacks related to Flint Water. PENDING APPROVAL. NG advised this would have to be funded with existing funds at this time and to make adjustments.
- MDARD Food Program staff have completed assessments of all 21 food businesses (including restaurants) that were located in the highest risk area. In addition, they have completed assessments at 34 food businesses in the medium risk area, and have scheduled 28 appointments to collect water samples.
- Dr. Nicole Lurie, the Assistant Secretary for Preparedness and Response from the US Department of Health and Human Services (HHS), in addition to the HHS Regional Coordinator and other CDC staff, visited the CHECC and SEOC this morning and provided commentary to CHECC and SEOC staff/EMCs. She also attended a briefing from FEMA before departing to visit Flint.
- Parents of boarding students at the Michigan School for the Deaf were notified of the elevated lead results in Stevens Hall. All fixtures in the dormitory are scheduled to be replaced by January 24, 2016. Lt Gov. has scheduled visit on January 25.
- Valley Area Agency on Aging (VAAA) continues to take calls from seniors and caregivers needing access to water and filters. VAAA is providing this information to the local EOC each afternoon for follow-up.
- Information reported to the JIC:
  - As of 1/21/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase 1	Phase 2
30,770	5,409

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.

Commodity	Phase 1	Phase 2	Total to Date
a. Number of cases of water	94,688	10,403	105,091
b. Filters	77,215	2,356	79,571
c. Filter cartridges	188,389	1,039	189,428
d. Test kits	20,037	1,588	21,625

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. ~45,000 hookups (This is our high end target #)
    c. ~39,000 includes apartment complexes/multi family (The is the low end target #)

4. Resources purchased:
    a. Cases of water 124,398 (additional 20,098 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard/State/Local type 3 teams -- Goal tomorrow 300 homes per team
    b. 15 ARC (2-4 folks) type 5 teams -- Goal tomorrow 100 homes per team

Local EOC

• Attended ARC meeting with VOADs to discuss volunteer management and strategies.
• Attended meeting with Plumbers and Pipefitters Union to assess the need for long term cooperation for filter installation and fixture
replacement.
• Requested and received confirmation of deployment of Team Rubicon (starting on 01/23/2016).
• Facilitated Flint & Genesee Chamber of Commerce representation at the EOC.
• Addressed security issues at Fire Station 3, 6 and 8 PODs (residents concerned about criminal activity).
• Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
• Met with Genesee County Planning Commission, United Way of Genesee County and Michigan Community Service Commission to clarify
recycling plans and potential volunteer utilization.
• Coordinated and verified deliveries of supplies to apartment complexes.
• Identified potential locations for recycling stations.

Chris

Update 1/20/16 – 16th Day (15th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed

- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for second phase of door to door operations
- Submitted appeal to FEMA Region V
- Prepare for appeal on denial of Category B under the Presidential Emergency Declaration

Attached Documents:
- SitRep 16

Status on Governor's request letter to the President:
- Emergency declaration received.

Key items for tomorrow to note are:
- Five copies of the State/FEMA agreement will need to be signed by the Governor. Capt. Kelenske has them and will coordinate delivery.
- The logistics plan will be fully executed tomorrow with all teams.
  - We will have National Guard (MSP supported), type 3 teams with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- Dr. Luri from HHS will be at the SEOC ~10:00 p.m.
- A second phase is starting tomorrow which will include more refined questions as to type of filter systems each person has. This will assist with sustainment operations.
- DOC prison work crew personnel (6-7) will be at the warehouse to keep the area clean. A lot of trash is generated in the warehouse and was becoming an issue.

Items to Note
- Deployed state/local (NG, MSP, Local) teams and 10 ARC Flint Water Response Teams to the field today.
- MSP and local Sheriff's Department continue to provide over watch for WRTs.
- Aqua Hydrate contacted me to donate 5000 cases a month (4 semis) for a year. I was advised by Lindon Nelson this was a Governor/Mayor/Senator Ananich and Meekhof initiative and a press release was going to go out soon (TBD). Logistics is following up with them.
- News release sent from Governor's office about the appeal to the President of the disaster declaration.
- SEOC Logistics worked with JIC and Governor's office to establish a business resource submission tab on www.helpforflint.com
- SEOC Operations continued to develop and finalize Phase 2 canvassing roll out.
- Meeting held with Dr. Luri from HHS.
- Capt. Kelenske and other state agency financial personnel attended the appropriations hearing.
- End of day – concerns with the mass amounts of volunteers showing up and wanting to help. This can cause logistical issues but staff was working to get additional tasks for volunteers outside of the WRTs. We will continue to work on ways to involve more volunteers.
- Additional person NG team for warehouse support approved.
- Information reported to the JIC:

  - As of 1/20/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 29,317 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding hard copy data from yesterday (PODs after 5 pm, ARC worksheets and local EOC hotshots).
   a. Number of cases of water 90,337
   b. Filters 73,229
   c. Filter cartridges 185,852

d. Test kits 19,866

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 111,630 (additional 18,502 donated)
    b. Filters 115,700
    c. Filter cartridges 243,200
    d. Test kits 61,161

5. Teams going out tomorrow:
    a. National Guard type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Addressed reports of water contamination in distributed bottled and canned water. Confirmed that water is safe to drink through testing by MDEQ. Coordinating with JIC and MDEQ for improved public information on the issue.
- Identifying options to reroute unsolicited offers for supplies and services outside of the EOC. Coordinating to set up 800 number.
- Attended meeting with Flint & Genesee Chamber of Commerce to discuss coordination of efforts, representation at EOC, and improved messaging.
- Attended meeting with Community Foundation of Greater Flint to discuss coordination of neighborhood groups and improved messaging.
- Coordinated with MDARD to provide additional lead testing at restaurants, and signage for safe locations.
- Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
- Coordinated and verified deliveries of supplies to apartment complexes.
- Discussed logistics requirements of delivery requests for homebound residents with SEOC Logistics.

Chris

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Update 1/19/16 – 15th Day (14th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Increase efficiency of warehouse operations
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Prepare plans for next phase of operation -- Second sweep of city

Attached Documents:

- SitRep 14

Status on Governor's request letter to the President:

- Emergency declaration received.
- Appeal letter pending.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have National Guard, type 3 teams), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 5 state/local teams and 11 ARC Flint Water Response Teams to the field today.
- Messaging being developed for concerns regarding the Total Dissolved Solids (TDS) meters and citizens' concerns with those meters indicating "lead" in bottled water. Testing of water to be done by DEQ to ensure we have solid messaging.
- DTMB is working to secure space in Flint for FEMA staff.
- Press release went out this afternoon to announce that the US Department of Health and Human Services will lead the federal response in Flint. Capt. Kelenske to meet with Dr. Nicole Lurie, HHS Assistant Secretary for Preparedness and Response (ASPR), on Thursday. The goal of the federal response will be to help state and local leaders identify the size and scope of the problem, and work with them to make and execute a plan for mitigation of the short- and long-term health effects of lead exposure.
- Additional NG personnel being requested to assist with Warehouse inventories.
- 100 NG personnel on the ground with the WRTs tomorrow with 100 more transitioning in.
- Released updated JIC map at 1800 displaying updated field team activity and integrating historic paper records that have been entered into the tracking system for field team activity.
- LG is going to be in Flint working at one of the PODs on Wednesday.
- Information reported to the JIC:

  - As of 1/19/16 as of 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. 22,129 homes visited by the FWRTs to date.

2. Distributed: Includes outstanding data from yesterday - PODs after 5 pm, ARC worksheets and local EOC hotshots.
   a. Number of cases of water 77,794
   b. Filters 69,730
   c. Filter cartridges 184,457
   d. Test kits 16,671

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 95,760 (additional 16,056 donated)
   b. Filters 115,700
   c. Filter cartridges 243,200
   d. Test kits 61,161

5. Teams going out tomorrow:

a. National Guard) type 3 teams---Goal tomorrow 300 homes per team
b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Attended public health group meeting with GCHD, City of Flint Water Department and MDEQ to discuss water test information being returned to residents, to allow residents a greater understanding of results.
- Attended recycling/trash management group meeting with DEQ, Republic Services, Keep Genesee County Beautiful and Genesee County Planning Commission. Provided projections on current and anticipated bottle distributions.
- Coordinated deliveries of supplies to faith-based organizations, apartment complexes and homebound residents.
- Coordinated with Comcast to set up locations for distribution of filters (distributed 60 filters on 01/19/2016).

Chris

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Update 1/18/16 – 14th Day (13th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) and PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.
- Complete appeal for Presidential Major Disaster Declaration denial.

Attached Documents:

- SitRep 13
- Side by side comparison of homes with filters January 13th compared to January 18th. This should be hitting the media tonight. This took longer to create than I wanted but is the image I have wanted to show progress of getting filters in to the field.

Status on Governor's request letter to the President:

- Appeal in process.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have state/local agency, type 3 teams), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
  - NG will be bringing in personnel to prep for surge.

Items to Note

- Beginning tomorrow the operational periods will be 7 days long.
- The CDC/ATSDR (Agency for Toxic Substances Disease Registry) has deployed a team to Michigan.
- An Arabic version of the palm card was reviewed and approved. This was developed via Arab American and Chaldean Council.
- Deployed 12 state/local teams and 10 ARC Flint Water Response Teams to the field today.

- DTMB is working to secure space in Flint for FEMA staff.
- Cost analysis to investigate if it would be more cost effective for FEMA to purchase water vs the SOM.
- ARC news release concerning the Volunteer Reception Center (VRC) sent out today.
- Media availability conducted today at 3pm at the VRC.
- Since 1/14/16 Michigan 2-1-1 has received three direct reports of bottled water testing positive for lead. DHHS SEOC Desk and DEQ SEOC Desk was able to contact two of the callers. The Zero Water filter (pitcher) has a handheld test device so people know when to change the filter. This TDS Meter measures dissolved solids (it is not a lead test). This was explained and we are going to work on messaging to ensure this does not cause issues. Dissolved solids are in all water. The water from the callers is going to be tested and a case of water from one of the companies will also be sent to DEQ for testing. Brands are Spartan Spring Water and Canned Water for Kids. The filter company is also going to work on messaging and work with us on this matter.
- Information reported to the JIC:

    - <u>As of 1/17/16 as of 5 pm (start date was Tuesday, 1/12/16)</u>

1. 21,393 homes visited by the FWRTs to date.

    2. Distributed:
        a. Number of cases of water 37,313
        b. Filters 53,713
        c. Filter cartridges 169,520
        d. Test kits 7,379

    3. Total number of customers on the Flint water system
        a. 29,944 paying customers
        b. 45,000 hookups (This is our high end target #)
        c. 39,000 includes apartment complexes (The is the low end target #)

    4. Resources purchased:
        a. Cases of water 82,992 (additional 16,056 donated)
        b. Filters 115,700
        c. Filter cartridges 243,200
        d. Test kits 61,161

    5. Teams going out tomorrow:
        a. ; State s) type 3 teams---Goal tomorrow 300 homes per team
        b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

<u>Local EOC</u>
Operations:

- Continuing to work with faith based organization to distribute resources.
- Working with colleges to obtain volunteers for canvassing.

Chris

<u>Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency</u>

<u>Mission focus for the day:</u>

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs), PODs

- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
    - Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have state agency, type 3 teams ( ), with a goal of 300 homes per team.
    - We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed state/local teams and 10 ARC Flint Water Response Teams to the field today.
    - 4,963 homes visited today.
-

01/16/16

01/17/16

- As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 27,195
    b. Filters 50,432
    c. Filter cartridges 168,605
    d. Test kits 4,861

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. State ;) type 3 teams---Goal tomorrow 300 homes per team
    b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.
- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have 10 state agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.
- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed 11 state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- NG will have a total of 78 personnel in the PODs for distribution. Mission has not changed.
  - NG soldiers have been in the PODS. more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.
- Information reported to the JIC:

  - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

2. Distributed:
   a. Number of cases of water 20,876
   b. Filters 47,935
   c. Filter cartridges 167,401
   d. Test kits 3,322

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:
    a. State (type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

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Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed
- Continue with door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.
- When we get the declaration(s) ... I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have state agency, type 3 teams , with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
    - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).
- I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 10 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.

    - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 18,576
    b. Filters 45,916
    c. Filter cartridges 165,382
    d. Test kits 3,217

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 44,688 (additional 12,884 donated)
    b. Filters 78,520
    c. Filter cartridges 163,081
    d. Test kits 18,761

5. Teams going out tomorrow:
    a. State type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.

- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

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Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.
- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.

- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- *Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with* the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.
- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.
- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but it appears we have filters in over half the residences):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	**3417**	394	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	**3741**			
Future sample test site	114	28	34	52

Chris

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Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and close lease on warehouse space
- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- Continue to work on Governor's Declaration of an Emergency

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
    - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
    - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
    - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
    - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA
- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- The door to door teams will continue at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- MNG will have a press event at the armory with incoming soldiers and MG Vadnais.

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.
- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP, get supplies, receive a mission location and deploy.

- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377
Resources			
Door Hangars	473	217	256
Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. The current plan includes:
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.
            - Local EOC support for other local requests (Faith based for distribution, etc.)
        - Three warehouse locations at this time
        - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.
    - Water (cases) - 19,152 cases delivered

- Budget projection completed and will be submitted to SBO for review.

- Notes from Water Response Team Command (MSP)
    - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
    - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
    - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)

Attached Documents:

- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:

- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
    - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA) to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
    - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
    - Ordered:
        - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
            - 1/3 is going to GCCARD and the rest is going to the new warehouse
        - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
    - Today's numbers
        - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
            - 2,000 – Brita filter faucet mounts
        - Filter Replacements
            - 2,400 – Brita filter replacements (single pack)
            - 8,000 – Brita filter replacements (two pack)

- Ordered on 1/12/16 to arrive Wednesday
  - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
    - 10,000 – PUR Vertical faucet mount
    - 2,500 – PUR Horizontal mount
  - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
    - 10,000 – PUR replacement filters (3 pack)
    - 10,000 – PUR replacement filters (single pack)
  - PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)
    - 10,700 – PUR combo packs

- To arrive Thursday
  - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 1,300 – Zero Water pitchers
  - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 11,000 – PUR vertical faucet mount
    - 1,500 – PUR Horizontal faucet mount
    - 5,000 – Brita faucet mount
    - 10,000 – Brita adv faucet mount white
    - 12,000 – Brita adv faucet mount chrome
  - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 117,600 – PUR replacement filter

- Test Kits
  - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
  - 500 have been assembled and are ready for distribution
  - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
  - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
  - 100, 000 square feet of secure warehouse obtained.
  - Accepting commodities beginning Wednesday, January 13

- Logistics Support
  - The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
  - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
  - We are working on version 2.0 so this can be used at the PODs
  - We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
  - Notes from the field commander:
    - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
  - In the end, there were 394 total home visits with the following breakdowns:

    - 217 Door Hangers
    - 152 Vacant Homes
    - 117 Water Distributions
    - 112 Filters
    - 3 Pitchers
    - 48 Water Test Kits
- 211
    - CALL VOLUME:
        - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:

- SitRep 6

Key items for tomorrow to note are:

- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
    - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.
    - The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note

- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.
- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

• Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
• Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
• Working to establish a warehouse for local resource storage.
• Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
• Discussed potential long term water sources between local EOC and SEOC.
• Established planning cycle/meeting scheduled for 1/12/16.
• Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; however, there may exist opportunities to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

    - We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
    - A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***
    - An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to supplement State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***
        - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
    - Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is beyond the capability the state and affected local governments, and that the state requires supplementary federal emergency assistance to save and to protect property....***

- Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
    - Debris Removal = ***self-explanatory and we do not have this***
    - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
    - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

Key items for tomorrow to note are:

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.
    2. Ensure accurate tracking and accounting of all commodities.
    3. Improve and maintain public information strategy.
    4. Develop a long term public health and services plan.
    5. Ensure adequate staffing to support operational requirements.
    6. Identify possible assistance programs.
    7. Develop an approved GIS strategy.
    8. Maintain coordination between partner agencies and organizations.
    9. Enhance situational awareness and common operating picture of all activities.
    10. Develop a comprehensive Recovery Plan.

Items to Note

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.
- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.
    - The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (looking at private sector partners to assist, especially with the warehouse management side).
    - GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.
- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).
    - 12,386 filters
    - 1,985 replacement filters
    - 354 Pitchers

- 2500 Lead Testing Kits
- Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
  - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
  - We have ordered an additional (expedited delivery with ETAs tomorrow)
    - 40,000 Brita Filters
    - 40,000 Brita Replacement Filters
    - 1000 Zero 8-Cup Pitchers
    - 1000 Zero 8-Cup Pitchers
    - 2000 PUR Replacement Filters
    - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- JIC Items
  - Requested PSA on the radio. Media has been approved and working with MAB.
  - Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
  - A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
    - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
    - JIC moving tomorrow to Flint.

<u>Local Emergency Operations Center</u>

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

<u>Fire Station Inventory Levels:</u>

Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up replacement filters from Home Depot and deliver.

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District, load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.

- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.
- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.
- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information … I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.
- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.
- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.
    - Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
    - Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
    - GIS maps will provide guidance on deployment locations for these teams and other teams in the field.
- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

MSP/EMHSD GIS Section Updates

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.
- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

Local Emergency Operations Center

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff (2-positions) will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
    - Logistical activities to support church operations.
    - Logistical activities to support fire stations operations.
    - Coordinate Donations Management activities and draft donations management plan
    - Coordinate Volunteer Management activities
    - Identify local storage/staging facilities
    - Overall inventory tracking
    - Tracking of Points of Distribution (PODs)

Chris

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Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC.

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
  - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
  - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.
- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.

- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:
Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**
- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**

        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.
    5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
    6. Develop a comprehensive GIS strategy.
    7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
    8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
    9. Provide technical assistance to the local Damage Assessment process.
    10. Establish a Joint Information Center (JIC) and develop a public information strategy.
    11. Monitor MI CIMS for resource requests and address as appropriate.
    12. Establish and disseminate cost center information for the incident.
- Additional tasks include:
    - Determine what federal agencies are already involved and their status
    - Identify potential water supplies
    - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
    - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
    - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC
- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
    - Water Pipeline Locations
    - Filter Distribution Locations
    - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
    - Affected School Locations
    - Predictive analysis of blood lead levels for affected area

    - Updated Parcels
    - Demographics
    - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

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Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/19/2016 08:00:00
Operational Period End:	01/26/2016 08:00:00
Situation Report No.	17
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/22/2016 08:00:00
SEOC Hours of Operation End:	01/22/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 22):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- *Resources.*
- Public Information Control.

- Logistics:
o Worked with FEMA/DHHS on warehouse tracking status/strategy.
o Coordinated resources and needs with donations management.
o Working with Red Cross to provide food bank delivery resources.
o Continuing inventory monitoring and hot shots resolution and tracking.
o Ordering and projecting future orders of water resources and commodities.
o Working on local business commodity supply plan.
o Coordinated filter/cartridge donation list.
o Worked with MDTMB for more iPad's, more vests, and more door hangers for weekend volunteer surge.
o Worked with the JIC and GOV to establish a business resource submission tab on www.helpforflint.com.

- JIC:
o News release concerning the water response teams went out this morning.
o Have had a number of media request concerning resources for immigrants and population less proficient in English.
o Have received numerous inquiries from celebrities on how they can assist and donate.

- Recovery Branch:
o Continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday.
o Data is for 1/22/16 as of 5:00 pm:
o Total homes visited.
- 37,679 (round 2 total).
- 5,920 (today).
o Water Cases.
- 6,439 (round 2 total).
- 3,634 (today).
o Replacement Cartridges.
- 2,494 (round 2 total).
- 1,827 (today).
o Faucet Filters.
- 3,373 (round 2 total).
- 1,855 (today).

- Planning Section:
o Published Sit Rep # 17.
o Worked with GIS to outline required maps for future planning efforts.
o Participated in daily SEOC briefings and distribution process conference call.
o Worked on the further development of Long-Term Recovery.

- Operations Section:
o Facilitated daily SEOC briefing and local EOC call.
o Continued to develop phased canvassing roll out.
o Worked on getting local contact into the JIC.
o Worked with JIC to develop messaging for resources and donations.

o Warehouse Numbers as of 1800:
- Water (cases).
- 65,592.
- Filters (faucet).
- 24,806.
- Replacement cartridges.

- 134,859.
❑ Filters (pitcher).
- 14,922.
❑ Test Kits (prepped).
- 1,398.
❑ Test kits (un-prepped).
- 21,024.

o PODs (1700 1/20 – 1600 1/21)
❑ Water (cases).
- 10,321.
❑ Filters (faucet).
- 954.
❑ Replacement Cartridges.
- 449.
❑ Filters (pitcher).
- 0.
❑ Test kits.
- 699.

- Finance Section:
o Develop report of state agency purchases made since January 6th activation.
o Work with state agency financial contacts to let them know how they should be capturing costs.
o Developed state agency reporting schedule of financial information.
o Work with local EM to obtain incident related costs from City of Flint and Genesee County.
o Reviewed information from FEMA regarding use of donations as state match.

- GIS Branch Updates:
o Refined version 3 of GIS mobile application data.
o Began repairing V2 and V1 of the mobile application data. 85% complete.
o Prepared map of vulnerable population in the affected area.
o Prepared a map of hot spots of vulnerable population for MDARD.
o Created a map of the water mains for MDARD.
o Pulled data from GIS mobile application for the recovery unit.
o Provided total installed filters from V3 to planning section.
o Provided map for local EOC to use for team assignments.
o Provide maps for JIC to utilize for press release.
o Coordinated with FEMA on lead lines mapping (ongoing).
o Coordinated with local GIS and confirmed they do not have unit counts for multi-tenant in databases.
o Working on tying app data to parcels for running total by residence.

DTMB:
- Process additional resource requests for warehouse commodities, supplies for volunteer teams for the weekend.
- Provided FEMA staff with access cards, office space, and parking for Flint office building.
- MI CIMS will be monitored this weekend for performance issues.

DHHS-CH:
- CHECC will remain operational from 0800-1700 over the weekend to field calls.
- EPA nutrition pamphlets arrived today.
o 10,000 English.
o 3,000 Spanish.
- GIS is providing assistance for the US DHHS.
- Liaison officer from the US DHHS will be in the CHECC.

DEQ:
- 853 water samples have been processed and an additional 1200 will be processed today.
- Map requested from GIS on locations that have offered to be a testing site.
- Michigan School for the Deaf will be sampled tomorrow.
- Samples from the food establishment will be prioritized in the lab (5-day turn around).

Local EOC Update:
- Worked to identify all vulnerable populations to help streamline Hot Shot process.
- Working on plan for church water distribution and POD locations.
- Looking at possible alternative locations for PODs in difficult traffic areas.
- Working on tracking incidents at warehouse and car accident with local EOC personnel.
- Coordinated water donations and delivery areas.
- Last minute large donations of water and volunteers expected during the weekend.
- Working on finalizing a recycling plan for the incident.

Incident Response/Recovery Priorities/Objectives

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
3. Improve and maintain public information strategy and process.
4. Develop a long term public health and services plan.
5. Ensure adequate staffing to support operational requirements.
6. Identify possible assistance programs.
7. Maintain GIS strategy.
8. Maintain coordination between partner agencies and organizations to include FEMA IMAT.
9. Enhance situational awareness and common operating picture of all activities.
10. Develop a comprehensive Recovery Plan.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Declaration of Emergency for Michigan Contaminated Water (EM-3375), 1/16/2016

Weather Conditions

Watches/Warnings

Upcoming Forecast

Forecast Update for Flint, MI - January 22

- Cold continues through the weekend, though not as cold as earlier in the week
- On and off light snow possible Friday (January 22) and Saturday (January 23). No significant accumulation expected.

Slightly warmer weather expected over the weekend. Above freezing temperatures will be possible starting Sunday.

Some rain mixed with snow is possible Monday (January 25).

Risk for Frostbite from Exposure over the next week is low unless exposure time for the individual is several hours in length with the person engaging in little to no activity.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSla

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was expected to be operational in Flint from 8 a.m. to 8 p.m. on Jan. 22.

State agencies at the JIC included the Governor's Office, Michigan State Police, Michigan Economic Development Corporation, and Departments of Environmental Quality, Health and Human Services, Agriculture and Rural Development, Licensing and Regulatory Affairs, and Military and Veterans Affairs. The Federal Emergency Management Agency, Genesee County Sheriff's Office and American Red Cross were also present.

Tasks accomplished:
- Drafted social media posts about water response operations taking place.
- Observed rumors about identification being required at water resource sites. Drafted a news release to provide clarification.
- Created a media monitoring report and looked for misinformation.
- Media hotline staff answered over 15 emails and phone calls ranging from contractor services to complaints about ID being required at water resource sites.
- Updated internal and general talking points about the ongoing Flint water emergency.
- Continued routing public information materials for approval, including communications from MDE, MDARD, MDEQ, LARA and DMVA.
- JIC is planning to issue the nightly activity news release around 6 p.m.
- MSP F/Lt. Dave Kaiser worked with the news media about ongoing water emergency efforts, conducting interviews with Fusion TV and Yahoo News. He will conduct an interview on WNEM-TV 5 tonight about ongoing to water response efforts.
- MDHHS spokesperson conducted an interview with WNEM-TV 5 about bathing in water and whether it's safe to bathe in water.

Agriculture and Rural Development (MDARD)

Friday, Jan. 22 - 1) MDARD is continuing their assessments and water sampling at food establishments. We are talking with businesses about their needs and potential needs before making resource requests. 2) MDARD is coordinating closely with FDA-Detroit District Office and sharing information for possible joint activities. 3) Animal Industry Division has been calling veterinary clinics in Genesee County and talking personally with veterinarians and staff. 4) MDARD is coordinating with MDEQ to get water lead level results to food businesses faster.
MDARD response strategy is to assess all designated as high and medium-risk establishment; 100% assessment and water sampling of high-risk establishments. Total Number of Establishments Planned for Assessments for MDARD Food & Dairy (FDD) and Genesee County Health Department (GCHD): 175 (FDD-84, GCHD-91)
High-Risk- 19 (8-GCHD, 11-FDD), Medium-Risk- 156 (83-GCHD, 73-FDD)

Cumulative totals:

95 assessed to date
67 found in compliance (working with those other businesses on specific needs)
18 water samples have been collected
26 assessment will require follow-up visits within 10 days

58 calls have come in for scheduling water sampling appointments.

American Red Cross (ARC)

The American Red Cross continued assembly of water test kits at ARC headquarters.
We deployed and supported 15 teams for neighborhood canvassing (Water Response). We expect to field 40 teams on Saturday.
A total of 124 Red Cross volunteers were active on this operation today.
We supplied lunches for all of the event-based volunteers.
The Volunteer Reception Center (VRC) was in full operation on Thursday. 68 volunteers were processed.
The Volunteer Reception Center (VRC) will remain open on Saturday and Sunday.
We continued to provide warehouse and inventory management.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC entities. Requested clarification on data capture and ID validation at PODs for water and filter distribution, mapping, and messaging as to same. Posted SOM lists of available translators/interpreters (rev. Dec 2015). Briefed senior leaders MDCR on current operations and issues. Engaged community group as possible bi-cultural/bi-lingual resource for water resource teams; will follow up with Logistics as possible service donation. Confirmed 2-1-1 has language line capacity for handling non-English speaking calls within 60-90 seconds of learning of language need.

Community Health (MDCH)

Worked with GIS and SEOC Logistics to update the maps provided from GIS to also include the locations for "hot shot" requests filled as of 1/20/16, in addition to separating-out the homecare patients from the other categories of medically-dependent individuals identified. Created a resource request for SEOC Logistics to provide this hot shot location data weekly. Maps provided in Activity Log.

Emailed GCHD EPC regarding concerns reported from the Michigan School of the Deaf in Genesee County in reference to bathing for students who live in the school dormitory (information relayed from LARA EMC). Inquired if GCHD could send a SME, suggested the local Medical Director, to the February Parents meeting to answer their questions and provide additional information. LHD EPC forwarded this request to GCHD leadership and will confirm whether or not they can send someone from the health department.

Forwarded hot shot request received in the CHECC to SEOC Logistics to track and coordinate with the LEOC.

Provided information from MDHHS/CDC Medical Epidemiologist to 2-1-1 regarding an "unresolved" question received by 2-1-1. Abbreviated version below:
Q: Can Legionella bacteria be aerosolized and inhaled if people boil water on the stove or use a humidifier to humidify the air in their homes?

A: Boiling water is one effective way to kill bacteria including Legionella, so steam that comes directly from a source of boiling water will not contain live Legionella and is not a source for Legionella transmission.

Followed-up with LEOC EMHSD Liaison and SEOC Ops regarding health-related calls being forwarded from 2-1-1 to the CHECC hotline after hours. Confirmed that neither the CHECC hotline, nor the GCHD phone number, is being monitored after hours to receive health-related calls. 2-1-1 should inform callers to call back during normal business hours (0800 - 1700) for health related questions that 2-1-1 is unable to answer. The CHECC is not considering answering calls to the hotline after hours due to their current low call volume.

GCHD EPC confirmed that the 13,000 EPA nutritional pamphlets that were ordered DID arrive this morning to the GCHD (23 boxes).

St. Joseph Mercy Health System offered to provided resources and support for lead screening. This information was forwarded to SEOC logistics. The St. Joseph Health System POC asked to speak to someone today; therefore, contact information was provided to them via the MDHHS PIO for them to contact GCHD.

Requested information from DEQ to confirm whether or not zip codes 48531, 48550-48557 are on the Flint Water Authority system. Medicaid includes these zip codes in their reports related to Flint; however, they were not listed in the 16 zip codes that have been identified for the response. DEQ is still working on this request and will provide information when available.

Provided MDARD EMC with GCHD Environmental Health POC contact information for coordinating efforts to ensure restaurants in Flint receive the water resources they need. Efforts will focus on the restaurants in the most highly impacted areas first.

Inquired with MSP regarding the Water Response Teams visiting zip code 48502. This is a business district; however 138 children are on Medicaid live in that area. Confirmed with GIS and MSP that the WRTs have canvassed the zip code area 48502, when the teams canvassed zip code area 48503 that completely surrounds the 48502 area. Map provided in Activity Log.

Corrections (MDOC)

We continue to fill resource requests and track/monitor all ground resources throughout the day and report the final assets in evening reports. Executive Team (MDOC) was briefed as follows:

1. The primary duty of our employees is to transport and support the (18) ten member Flint Water Resource Teams on the ground, going door to door providing water, filters and special individual needs. This team is made up primarily of Michigan National Guard troops and Michigan State Police staff.
2. Provide for the pickup and transportation of the water samples from the seven designated collection sites in Flint and deliver to the DEQ Laboratory daily.
3. Assist the Flint Food Bank to deliver/transport emergency food deliveries to ensure available warehouse space is available to receive additional emergency food items.
4. Provide pickup and delivery of water bottle testing kits from the warehouse to the American Red Cross so they can be assembled and transported back to the warehouse where they will be delivered to the citizens by the Water Resource Teams.
5. Provide management and organizational support to the main 80,000 square foot main warehouse located on Clio Road.
6. Provide prisoner work crew support inside the warehouse to load and unload, stack water deliveries and assist in garbage/debris management.
7. The weekend operational period requires an increase in the need for logistical support due to the notable increase in available volunteers. Specifically, the weekend force is expected to increase by over 300 persons. Each of these volunteers will be assigned as a Flint Water Resource Team and require transportation, supplies, law enforcement security oversight and lunch. Our staff are a primary source of transportation for Water Resource Teams and their participation is critical to the success of the mission.

We also had a water main break at DWH (Prison Hospital in Jackson). Bottled water is being brought in from the Regional Warehouse (6000 bottles). The situation was handled locally without incident.

All current resources will remain for tomorrow, January 23, 2106.

Education (MDE)

Michigan School for the Deaf:

1. Landlord's action plan added to MiCIMS.
2. Team of LARA and DEQ staff have mapped school building and LRC dorm building for water testing. They will be back 1/23 for collecting samples in those areas.
3. Testing in Stevens Hall dorm will be delayed until after faucets are changed and 3 new drinking fountains are installed. Drinking fountains are on order and probably will not be installed until next weekend, meaning testing in Stevens Hall is probably at least two weeks away.
4. Plumbers have begun swapping faucets in Stevens Hall and are planning to be finished by Sunday evening.
5. Genesee County Health Department (GCHD) to be at MSD blood testing students whose parents consent; February 8th.
6. MSD is polling staff to see if there is sufficient interest to have GCHD set up a blood testing clinic for all state and contracted staff.
7. Working with DHHS to have a health expert attend the February 9th parent meeting.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:

- Requested compiled list of residents who have agreed to participate as a monitoring site from GIS. This list was provided to George Krisztian and Mike Glasgow, City of Flint, WTP.
- Flint School of the Deaf testing has been rescheduled. Mapping and inspections were completed on the two school buildings today and sampling will commence tomorrow. The dormitory will be scheduled at a later date due to current construction of faucet replacements.
- Submitted request for lab sample forms to be printed in Spanish and distributed to all distribution points.
- Prioritized sample analysis at DEQ lab for Michigan Department of Agriculture and Rural Development samples relative to

residential samples.
- Requested Department of Corrections resource of sample pickup and transportation to extend through Friday, January 29.

Human Services (MDHS)

Discussing with DTMB, addition of Federal agencies to Flint Union street, and effects it may have on MDHHS day to day operations, including parking for clients.

Children Services Agency working on phased plan to ensure all foster care, CCI, etc. have needed clean water resources and their facilities are being tested.

Providing MDHHS cost information available to finance chief.

Worked with DTMB to provide 300 palm cards for our Chief Deputy Director.

CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

Updated the LARA Executive Team

Joe Madziar and Andy Neuman were up in Flint assisting DEQ with mapping of the Michigan School for the Deaf (MSD). They were able to complete the two school building. Construction to replace all of the fixtures in the dormitory at the school was in process today. Because of this Joe and Andy were unable to complete the mapping for the dormitory. Water testing will be completed at MSD tomorrow (Jan. 23).

Alesha Gensler, Joe, Andy and the DEQ had a conversation with MSD's principal and administrative manager regarding issues and concerns of the parents of students at the school. There is a lot of concern regarding showering due to the fact that a number of these students have medical issue that could result in water getting underneath the skin and being absorbed into the body (example: feeding tubes).

MSD is having a meeting with parents on Feb. 9 to address these issues. LARA has communicated these concerns with DHHS and MDE. DHHS is working to see if there are medical issues with bathing, given these skin openings. DHHS and MDE is also coordinating to see if there can be a medical person available for the parent meeting on Feb. 9.

Joe completed a materials list required to finish construction at Freeman Elementary School to replace the remaining 22 fixtures. After these materials are recieved, LARA will coordinate with the school to complete construction and then coordinate with DEQ to complete a re-testing of the water.

Military and Veterans Affairs (DMVA)

Commanders Situation Report (SITREP)

1. DTG: 221300012016

2. UNIT: TASK FORCE FLINT

3. POC: CPT Shuster, Stephen M. Cell: :mail: stephen.m.shuster.civ@mail.mil

4. PRESENT LOCATION: 1101 Beach St., Flint, MI 48502. Room G51.

5. SITUATION OVERVIEW: TF FLINT has Soldiers deployed to the Flint Water Crisis in support of DSCA Operations. In the last 24 hours, TF Flint conducted WRT operations with 18 teams and made 6,300 contacts throughout the City of Flint, MI. The Point of Distribution (POD) continued receiving, tracking, and issuing out water, filters, replacement filters, and water test kits and receiving water test samples from the citizens of Flint, MI.

6. OWN SITUATION DISPOSITION /STATUS: TASK FORCE FLINT currently has Soldiers deployed in support of the Flint Water Crisis.

a. . Soldiers conducting Mission Command operations out of Room G51, Genesee County EOC.

b. . Soldiers assigned to POD operations Breakdown as follows; Soldiers are assigned and divided to man (5) Pods. 1 Soldier is assigned to be the Supply NCO Soldiers are assigned to the Genesee County EOC Soldier is assigned as the Public Affairs NCOIC.

c. . ers assigned to WRT operations divided into Teams, operation out of the Genesee County EOC.

d. Fi) Soldiers assigned to warehouse operations at the AMR run Clio Rd. water resource distribution warehouse.

7. OPERATIONS: Next 24 consists of deploying 15 WRTs (180 PAX) with MSP and Genesee County Sheriff Department. PODs continue water/filter distributions throughout the 5 designated fire stations. Soldiers conduct warehouse operations at the AMR operated Clio Rd. water resource distribution warehouse. TF FLINT Mission Command conducts battle tracking and completes/issues OPORD 16-002 (OPERATION FLINT WATER RESPONSE).

8. PERSONNEL: Soldiers currently assigned to the Flint Water Crisis. Composition as follows: conducting Command and Control, conducting water distribution from the PODs, 180 conducting water distribution as WRTs, and conducting warehouse operations at the AMR operated Clio Rd. water resource distribution warehouse.

9. INTELLIGENCE / FORCE PROTECTION: The PODs have been experiencing 2-4 daily occurrences of above average aggravation from citizens. No force protection measures have been taken at this time. Genesee County Sheriff's Department and the Michigan State Police have been notified of said incidents and are offering assistance when available. WRTs receiving daily weather reports during their morning brief.

10. LOGISTICS: See below.

a. Accountability of units from the Clio Rd. water resource distribution warehouse is being addressed with the addition of a five (5) Soldier logistics element.

11. COMMUNICATIONS: No communications issues at this time.

P: 800 MHz radios issued to PODs and WRTs.
A: RRF cell phones alternate for WRTs.
C: Personal cell phone
E: Runner

12. NARRATIVE: Not used.

13. COMMANDER'S EVALUATION:
• Talking points from the state JIC CUB slides have been disseminated to all Soldiers ISO POD operations. In conjunction with the media talking points provided by the RSOI, all of the Soldiers are well prepared to handle the increased media coverage and presence at the fire stations.
• Test kits that are returned to the PODs are being picked up no less than every other day by Mark (517-420-3392).
• FEMA is scheduled to conduct daily inventories of the supplies at the PODs.
• CPT Betz, TF FLINT S4, took receipt of laundry bags from mobile 220730R January 2016. The bags are in the process of being distributed to the soldiers.
• Total of all items at POD as of COB 21 January 2016 currently being calculated.
• TF FLINT WRTs made 6,300 contacts on 20 January 2016. Since doubling the number of PDAs issued to the teams, resource distribution has increased dramatically. As of 1230 today, over 8,000 contacts have been made on 22 January 2016.

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids will participate in SEOC morning briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac.

NWS Detroit will begin providing morning SEOC brief and Activity Log posts effecting Tuesday, January 26th. Jim Maczko from NWS Grand Rapids will be the contact point for any changes in NWS Support and will also continue to update the Sit Rep Executive Summary as needed.

Participation in afternoon SEOC briefings is planned only if significant changes in the forecast occur.

Natural Resources (MDNR)

MDNR LED continues to support its QOL partners with staffing at the SEOC.

Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging (VAAA) continues to take calls from seniors and caregivers needing access to water and filters. VAAA is providing this information to the local EOC each afternoon for follow-up.

State Police (MSP)

MSP and GCSD supported National Guard staffed teams that were out today and there were 15 Red Cross teams. 6284 homes were visited today.

The MSP/National Guard teams are not currently tooled to conduct on-demand services and are singularly focused on reaching all areas of the City of Flint with our Water Response Team assets for phase 2 operations by Sunday, January 24th.

Further, we are not currently equipped to take in volunteers to work on our teams. All volunteers should be directed to the American Red Cross.

MSP SEOC received approval for MING to provide cyber trained personnel to support Michigan State Police, Michigan Cyber Command Center at the MC3 located on the 3rd Floor of State Police Headquarters beginning on 1/22/16 for 30 days with possibility of extension, or until mission complete. Mission is to coordinate, advise, and assist with cyber defense efforts related to the Flint water crisis. The MING personnel reported to MC3 today (1-22-16).

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

DTMB Mail Services has drivers with trucks assisting in transporting supplies to support point of distribution centers and Flint Water Resource Teams. Six (6) drivers on Friday, January 22 and three (3) drivers on Saturday, January 23.

Additional 30 tablets being configured for the Water Response Teams (151 tablets to date)
Provided an additional 500 credentialing badges for Water Response Teams (1165 credentials to date).
Procured 90 rolls of stretch wrap for the Clio Rd. Warehouse. 21 delivered tonight (1/22) and remaining delivered tomorrow (1/23).
Provided additional access cards for FEMA staff for parking and access to the Flint State Office Building.
Providing costs for DTMB resources to Financial Chief.

Transportation (MDOT)

MDOT is providing traffic measures at Fire Station #6 on Pierson Rd. and Fire Station #3 on Martin Luther King Blvd:
-4 portable changeable message boards (2 each site).
-100 grabber traffic cones (narrow reflective cones) (50 each site)

Incident Related Images

City of Flint Parcels Contacted

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Health and Human Services Brief

Dr. Nicole Lurie

FEMA-3375-EM-MI

David Samaniego
Federal Coordinating Officer

Captain Chris A. Kelenske
State Coordinating Officer

Incident Period: April 25, 2014 – Continuing

FEMA

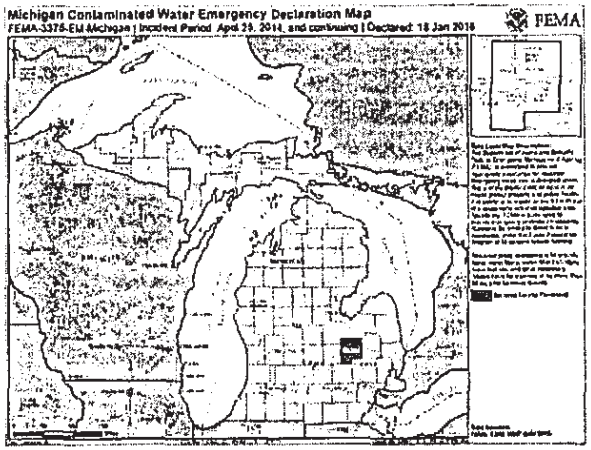
January 21, 2016

Overview

FEMA-3375-EM-MI

Event	City of Flint – Contaminated Water
Incident Period	April 25, 2014 and ongoing
Governor's Request	January 14, 2016
President's Declaration	January 16, 2016
Programs Authorized	Direct Federal Assistance, appropriate assistance to save lives and to protect property and public health and safety under Category B, emergency protective measures
FEMA-State Agreement and *Amendments*	In process; currently with the Governor's office

FEMA



FEMA

OFFICE OF CHIEF COUNSEL

Linda Pollack

FEMA

OFFICE OF CHIEF COUNSEL

- What is the FEMA assistance pursuant to EM-3375-MI?
  - Limited to Direct Federal Assistance (DFA)
  - Limited to 90 days from date of declaration (1/16/16).
  - Cost share: FEMA 75%; State 25%
  - No back reimbursement to State prior to Declaration for any State cost
  - Limited to: water, water filters, water filter cartridges, water test kits, (commodities) and other necessary related items.

FEMA

OFFICE OF CHIEF COUNSEL

- What is the meaning of the additional language "and other necessary related items?"
- It is not meant to expand the scope of this limited declaration.
- Will have to be decided on a case-by-case basis.

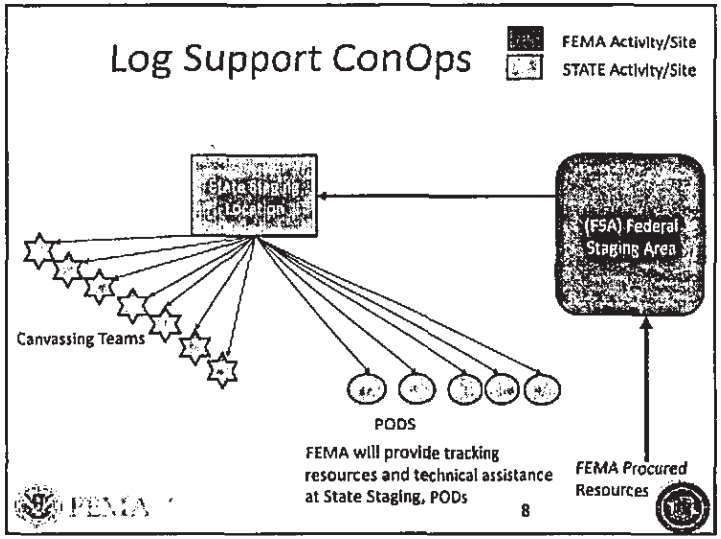
FEMA

Operations

Jason Gamble

FEMA

Log Support ConOps



FEMA

Operations/Logistics

- Identify State unmet resource needs:
  - Water (bottled)
  - Water filters (PUR & Brita)
  - Replacement Water Filter Cartridges
  - Water Test Kits
- Execute commodity distribution strategy
  - 8 trailers water delivered daily to the state staging area (115,200 liters).
  - Filters, Replacement Cartridges, Water Test Kits through State initiated resource requests.

FEMA

Operations/Logistics

- Work closely with the State to determine the required supply of filter cartridges to sustain the impacted community for one year.
- Coordinate with the State to assist in the development of a long term replacement cartridge strategy.
- Provide technical assistance for resource tracking and inventory management.

FEMA

Resource Requests

Req No	Date	Time	Description	Delivery Location	Requestor	Requestor Phone	Site POC	Site POC Phone	State Approving Official
1	1/18/2016	1333	100,000 Brita replacement Cartridges - UPC 022564124O1	4316 N Clio Rd, Flint, MI 48504	Wendy Galbreath	517-449-8966	Sharon Fitzgerald	989-992-2672	Chris A. Kolenski
2	1/18/2016	1338	460,000 liters of bottle water	4316 N Clio Rd, Flint, MI 48504	Wendy Galbreath	517-449-8966	Sharon Fitzgerald	989-992-2672	Chris A. Kolenski
3	1/18/2016	1300	Provide ongoing information & alternatives for manpower indicated in Emergency Declaration EM3379	State EOC	Wendy Galbreath	517-449-8966	Wendy Galbreath	517-449-8966	Tony Kolensky
4	1/19/2016	1200	Provide Technical Support for management of state acquired resources	State EOC	Wendy Galbreath	517-449-8966	Wendy Galbreath	517-449-8966	Tony Kolensky
5	1/19/2016	1800	8000 - 32 Cup and 8000 - 8 cup ZeroWater Pitchers	4316 N Clio Rd, Flint, MI 48504	Wendy Galbreath	517-449-8966	Sharon Fitzgerald	989-992-2672	Chris A. Kolenski
6	1/19/2016		30,000 - Brita Pitcher Model BAPF-100, Antimicrobial Stem 60,000	4316 N Clio Rd, Flint, MI 48504	Wendy Galbreath	517-449-8966	Sharon Fitzgerald	989-992-2672	Tony Kolensky
7	1/20/2016	1100	10,000 2 membrane Replacement Filters	4316 N Clio Rd, Flint, MI 48504	Wendy Galbreath	517-449-8966	Sharon Fitzgerald	989-992-2672	Tony Kolensky
8	1/20/2016	1830	60,000 PUR Replacement Cartridges	4316 N Clio Rd, Flint, MI 48504	Wendy Galbreath	517-393-4967	Sharon Fitzgerald	989-992-2672	Tony Kolensky

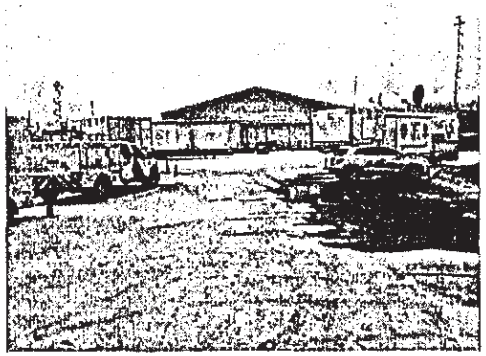
FEMA

Logistic Inventory Management

- State created an Inventory Task Force 1/19/16
- FEMA coordinating with State and American Red Cross and assisting with Inventory Management to: forecast resource needs; avoid inventory shortfalls.
- Goal at close of business 1-21-2016 is have an accurate baseline of resources by type and model.

FEMA

Selfridge Air National Guard Base Federal Staging Area



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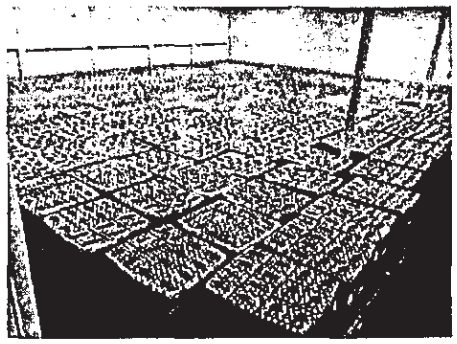
State Staging Area



FEMA

Voluntary Agency Coordination

Kathryn Halliday

FEMA

Voluntary Agency Coordination

- Ensure transparent communication between all levels of government and voluntary, faith-based and community organizations (*Local, State & National*)
- Provide technical assistance to support State and Local plans for volunteer & donations management
- Provide technical assistance to develop State and Local plans for long-term distribution of commodities and individual & *household support through voluntary agency partners*

FEMA

Voluntary Agency Coordination

- Voluntary Agencies are supporting:
  - Warehouse management
  - Volunteer Reception Center
  - Water Response Teams
  - Water test kit assembly
  - Volunteer feeding
  - Collection of in-kind and monetary donations
  - Public information & referral services

FEMA

Voluntary Agency Coordination

- Key Voluntary Agency Partners To-date:
  - *Michigan Voluntary Organizations Active in Disaster* (MI VOAD)
  - American Red Cross
  - United Way of Genesee County
  - Food Bank of Eastern Michigan
  - Michigan 2-1-1
  - Catholic Charities of Shiawassee and Genesee Counties
  - Local faith-based partners

FEMA

External Affairs

Cassie Ringsdorf

FEMA

External Affairs

- FEMA Messaging: Focused on Emergency Declaration, coordination with Federal family, and commodity numbers
- State is the face of the operation
- Congressional Coordination Calls: hosted 1 call with Federal Disaster Recovery Coordinator; 2 calls with Federal Coordinating Officer/State Coordinating Officer
- Conducted courtesy meetings with three directly impacted congressional offices
  - 2 current meeting requests: multi-agency roundtable in DC on Jan. 26; Sen. Peters briefing on Feb. 1

FEMA

Finance and Administration

Todd Tillung

FEMA

Finance and Admin

01/21/2016

Total Allocation		1,798,902
Total Available Commitments		70,027
Available Obligations	14,672	
Total Available Obligations	14,672	
Total Expenditures		0
Total Funds Available		1,714,292
TOTAL ADMINISTRATION OBLIGATIONS	14,672	
TOTAL OBLIGATIONS	14,672	
ADMINISTRATION PERCENTAGE	100%	

FEMA

I. Deployment Summary for Selection Criteria

a. Responder Status

Checking In	Deployed	On Rotation	On Medical	Checking Out	Checked Out	Demobilized*
9	53	0	0	1	0	2

FEMA

Planning

Deb Fulk

FEMA

Planning

- •Multiple Products
  - Daily – SitReps, FCO Report, Daily Summary Report
  - Weekly – Executive Summary
  - Briefing Book
  - Special Projects as needed
  - GIS
  - Infographic and chart development in support of measurable objectives
  - Maintenance of WebEOC ICS forms

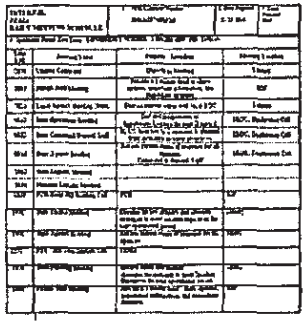
FEMA

Incident Summary

- On April 25, 2014, the City of Flint, Michigan switched from the Detroit water system to the Flint River as a water source. The harmful effects of untreated water caused leaching of lead damaging the city's water infrastructure and potential negative health impact to the citizens. On October 16, 2015, The City of Flint switched back to the Detroit water system.
- On January 5, 2016, the Governor declared a State of Emergency for the City of Flint within the County of Genesee. On January 12, 2016, the Governor requested Non-Stafford Act support with the request being approved and a Federal Disaster Recovery Coordinator appointed. On January 15, 2016, the Governor requested an Emergency Disaster and a Major Declaration for the City of Flint, Genesee County, Michigan.
- On January 16, 2016 an Emergency Declaration was declared authorizing appropriate assistance for required emergency measures, authorized under Title V of the Stafford Act, to save lives and to protect property and public health and safety, or to lessen or avert the threat of a catastrophe in the designated area. Specifically, to provide emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding.

FEMA

Operational Tempo



FEMA

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Wednesday, February 17, 2016 10:57 AM
To: MSP-FOIAProject
Subject: Records Request
Attachments: Re: Karegnondi Water Authority Meeting, February 17, 2016, 2 p.m., Lapeer County Council Chambers; Re: MSP Resource Request - Flint Water Response Teams; RE: MSP Resource Request - Flint Water Response Teams; Re: MSP Water Distribution Operation - AAR; RE: Protest in Flint ; RE: Rally Today at Capitol - Flint Water Crisis; RE: U of M Flint Campus Detail Update - Water Filter Distribution; RE: Water Safety & Minority Applicants; Revised: Volunteers needed for water resource teams in Flint; Situational Awareness: U of M Flint Campus Detail Updates - Water Filter Distribution; Trooper Staffing for Flint Water Emergency Situation ; Volunteers needed for water resource teams in Flint; 10/13/2015 Flint Water Update ; Cyber Threats Related to the Flint Water Crisis - SitRep; Cyber Threats Related to the Flint Water Crisis - SitRep-12-2016; Cyber Threats Related to the Flint Water Crisis; Drinking Water Crisis in Flint, Michigan, Prompts Federal Investigation - NBC News; Flint Water - EOC Activation; Flint Water Crisis-Command Structure; FLINT WATER DETAIL MOBILIZATION INFORMATION - URGENT - 12 HOUR NOTICE; FW: "Gathering" of Militia in Flint at 2 p.m. Sunday, January 24 "Standing with Flint"; FW: "Weekly Ann Arbor Protest: ArrestGovSnyder FlintWaterCrisis" ; FW: 10/13/2015 Flint Water Update ; FW: Arrest Snyder Event Today at 4:40 p.m., Flint City Hall UPDATE; FW: Arrest Snyder Event Today at 4:40 p.m., Flint City Hall UPDATE; FW: Coding for City of Flint Water Contamination incident; FW: Drinking Water Crisis in Flint, Michigan, Prompts Federal Investigation - NBC News; FW: Flint Water Detail; FW: Flint Water; FW: Governor Rick Snyder in Flint today ; FW: MSP Resource Request - Flint Water Response Teams; FW: NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday; FW: Protest in Flint ; FW: Protest in Flint ; FW: Publicly posted email - FLINT WATER; FW: Rally Today at Capitol - Flint Water Crisis; FW: U of M Flint Campus Detail Update - Water Filter Distribution; Fwd: MSP Water Distribution Operation - AAR; Fwd: Rally Today at Capitol - Flint Water Crisis; Fwd: U of M Flint Campus Detail Update - Water Filter Distribution; MSP Flint EOC SITREP; Re: Bay Co Water Issue - Resolved; RE: Coding for City of Flint Water Contamination incident; RE: Cyber Threats Related to the Flint Water Crisis - SitRep-10-2016; RE: Flint Water - EOC Activation; RE: Flint Water - EOC Activation; RE: Flint Water Informational e-mail

As requested.

Gene

Captain Gene Kapp
District Commander
Third District Headquarters
Michigan State Police
G-4495 Corunna Road
Flint, MI 48532
Office: (810) 733-9380
Fax: (810) 733-9399

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JOIN THE MSP

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Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Friday, February 05, 2016 5:18 PM
To: Sims, Shannon (MSP)
Cc: Kish, Thomas (MSP); Sipes, Stephen (MSP)
Subject: Re: Karegnondi Water Authority Meeting, February 17, 2016, 2 p.m., Lapeer County Council Chambers

Please keep it to a phone or in person conversation.

Gene

On Feb 5, 2016, at 5:03 PM, Sims, Shannon (MSP) <SimsS4@michigan.gov> wrote:

> Capt.
>
> I share the information with Chief Todd Alexander and Under Sheriff Rapson.
>
> Shannon
>
> ---
>
> **From:** Kapp, Gene (MSP)
> **Sent:** Friday, February 05, 2016 8:09 AM
> **To:** Sims, Shannon (MSP); Kish, Thomas (MSP); Sipes, Stephen (MSP)
> **Subject:** FW: Karegnondi Water Authority Meeting, February 17, 2016, 2 p.m., Lapeer County Council Chambers
>
> ---
>
> **From:** Taylor, Suzan (MSP)
> **Sent:** 2/5/2016 8:00 AM
> **To:** Kapp, Gene (MSP)
> **Cc:** Furnish, Nicole (MSP); Grant, Rebecca (MSP); Budde, Brian (MSP)
> **Subject:** Karegnondi Water Authority Meeting, February 17, 2016, 2 p.m., Lapeer County Council Chambers
>
> Captain Kapp,
>
> The attached information is being disseminated and shared : The Karegnondi Water Authority (KWA) is holding a public meeting on Wednesday, February 17, 2016 at 2 p.m. in the Lapeer County Council Chambers, 255 Clay Street, Lapeer, Michigan. The KWA notice indicates all citizens wishing to express opinions or make comments during the meeting are invited to attend. It appears there could be a large presence of Flint Citizens at the meeting.
>
> This information is being shared for situational awareness.
>
> Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

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Beckner, Jessina (MSP)

From: Sands, Thomas (MSP)
Sent: Wednesday, January 13, 2016 9:36 PM
To: Kelenske, Chris (MSP)
Cc: Sands, Thomas (MSP); Kapp, Gene (MSP)
Subject: Re: MSP Resource Request - Flint Water Response Teams

Approved.

Gene please move forward and keep me appraised of progress and needs.

Thanks.

Sent from my iPad

On Jan 13, 2016, at 9:10 PM, Kelenske, Chris (MSP) <KelenskeC@michigan.gov> wrote:

> I discussed with Matt Bolger and Mike Johnson and we are on the same page. The only thing that all need to be aware of is I anticipate ramping up the teams significantly as logistics can support. We will likely need to add a layer between the MSP WRT Commander and field commanders – that would probably be an ARC lead, A State Agency lead, Other volunteer lead, and a County lead so the WRT commander has good span of control. I am thinking we could get to the point where we have _ teams (best case scenario).
>
> The WRT commander can figure that out but I am good with this - MSP needs to coordinate all the teams sir.
>
> Chris
>
> ---
>
> **From:** Sands, Thomas (MSP)
> **Sent:** Wednesday, January 13, 2016 8:21 PM
> **To:** Kelenske, Chris (MSP)
> **Cc:** Kapp, Gene (MSP)
> **Subject:** Fwd: MSP Resource Request - Flint Water Response Teams
>
> Chris,
>
> I just want to make sure you are in the loop and support transferring these duties to FSB. I will approve with your support.
>
> Thanks.
>
> Tom
>
> Sent from my iPad
>
> Begin forwarded message:
>
> > **From:** MSP-EOC-MDSP <MSP-EOC-MDSP@michigan.gov>
> > **Date:** January 13, 2016 at 7:56:20 PM EST

To: "Kapp, Gene (MSP)" <KappG@michigan.gov>
Cc: "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Kelly, David (MSP)" <KellyD@michigan.gov>, "Bolger, Matt (MSP)" <BolgerM@michigan.gov>, "Shaw, Jim (MSP)" <ShawJ@michigan.gov>, "Sands, Thomas (MSP)" <SandsT@michigan.gov>
Subject: MSP Resource Request - Flint Water Response Teams

Capt. Kapp,

Per our discussion, the SEOC has requested MSP FSB coordinate and manage the Flint Water Response Teams for the City of Flint-Water Contamination / Shortage incident. The POC at the EOC is Ms. Michelle Kuzera, she will be able to assist with any questions or concerns. MSP FSB will be responsible for the following:

- Establish a Water Response Team Commander for all team operations.
- Coordinate and manage Water Response Team structure.
- Coordinate and manage Water Response Team resources.
- Coordinate walking routes with concentration in the most hazardous lead level areas.
- Coordinate logistics for Water Response Teams.
- Coordinate iPad distribution and tracking.
- Coordinate and integrate with state, county, and local personnel as well as volunteers assigned to work on Water Response Teams.
- Coordinate and manage team security with MSP and County personnel.
- Determine hours of operation based on assessment of area, hours of daylight, and any other safety information pertinent to operations.
- Coordinate with Sheriff's department resources.
- Staff each team with the appropriate number of MSP enlisted personnel for security purposes.
- Provide a daily report of all activities to include best practices and issues or concerns.
- Attend the 9:30 am and 4:30 pm SEOC briefings via conference call as well as any other conference calls necessary to complete the above mission.

In addition to the above Water Response Team objectives MSP FSB is still responsible for all previously assigned tasks and functions.

Please feel free to contact me if you have any questions regarding this assignment. Please forward the contact information of the commander you have identified for this mission as well as a schedule for staffing this position once it has been assigned and established.

Insp. Matt Bolger

F/Lt. Mike Johnson

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, January 14, 2016 5:13 AM
To: Sands, Thomas (MSP)
Subject: RE: MSP Resource Request - Flint Water Response Teams

Clear

Gene

From: Sands, Thomas (MSP)
Sent: 1/13/2016 9:35 PM
To: Kelenske, Chris (MSP)
Cc: Sands, Thomas (MSP); Kapp, Gene (MSP)
Subject: Re: MSP Resource Request - Flint Water Response Teams

Approved.

Gene please move forward and keep me appraised of progress and needs.

Thanks.

Sent from my iPad

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> **Sent:** Wednesday, January 13, 2016 8:21 PM
> **To:** Kelenske, Chris (MSP)
> **Cc:** Kapp, Gene (MSP)
> **Subject:** Fwd: MSP Resource Request - Flint Water Response Teams
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> Thanks.

Tom

Sent from my iPad

Begin forwarded message:

From: MSP-EOC-MDSP <MSP-EOC-MDSP@michigan.gov>
Date: January 13, 2016 at 7:56:20 PM EST
To: "Kapp, Gene (MSP)" <KappG@michigan.gov>
Cc: "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Kelly, David (MSP)" <KellyD@michigan.gov>, "Bolger, Matt (MSP)" <BolgerM@michigan.gov>, "Shaw, Jim (MSP)" <ShawJ@michigan.gov>, "Sands, Thomas (MSP)" <SandsT@michigan.gov>
Subject: MSP Resource Request - Flint Water Response Teams

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- Coordinate with Sheriff's department resources.
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Please feel free to contact me if you have any questions regarding this assignment. Please forward the contact information of the commander you have identified for this mission as well as a schedule for staffing this position once it has been assigned and established.

Insp. Matt Bolger

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Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 12, 2016 8:38 PM
To: Kapp, Gene (MSP)
Cc: Kish, Thomas (MSP); Kanicki, Bonnie (MSP)
Subject: Re: MSP Water Distribution Operation - AAR

Yes, I'm concerned about draining the commanders at the Flint Post (Tom, Paul and Amy) to staff the EOC. We still have a major policing operation that's a priority- and our commanders are neck deep in this. Can EMHSD provide staffing for the ops center?

Sent from my iPad

On Jan 12, 2016, at 7:07 PM, "Kapp, Gene (MSP)" <KappG@michigan.gov> wrote:

> Please advise if you have any requests from the SEOC. I have a 9am call tomorrow about funding for the possible duration.
>
> Gene
>
> ---
>
> **From:** Kish, Thomas (MSP)
> **Sent:** 1/12/2016 5:30 PM
> **To:** Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP)
> **Subject:** FW: MSP Water Distribution Operation - AAR
>
> Updates..
>
> ---
>
> **From:** Dehner, Amy (MSP)
> **Sent:** Tuesday, January 12, 2016 5:27 PM
> **To:** MSP-EOC-MDSP
> **Cc:** Pummill, Paul (MSP); Kish, Thomas (MSP); Sparks, Keith (MSP); Young, Patrick (MSP)
> **Subject:** MSP Water Distribution Operation - AAR
>
> I'm sure after action reports are probably being done within the SEOC, but for what it is worth, a quick snapshot of today's day one operations may be beneficial for the higher planning to put more boots on the ground in Flint in the coming days, so here it goes:
>
> Mission:
> teams DHHS employees), supported by marked MSP, and marked Sheriff units, and (2) 24' UHaul trucks, conducted water filter delivery operations within the 43rd precinct, beginning at apx 1030 HRS, and ending at 1700 HRS today. The target for today was 150 houses, however final data was not available at the time of publish.
>
> **Recommend to Sustain on 1-13-16:**
> -- Continued use of UHaul type trucks. They are low to the ground, easy to load and more important, to off-load. Easily maneuvered on city streets, especially given poor road conditions, and parked/disabled vehicles on city side streets. DTMB trucks are at a height that makes accessing cargo difficult, and puts volunteers at risk of injury clearing the 5' high box entry.

--iPads and in car mobile terminals. (8) iPads supplied by the City and used by DHHS, made real time data uploads possible and gave a more accurate depiction of ground operations. The ability to push GIS mapping material to troopers vehicles via email facilitated their abilities to make on the ground changes with routes, without having to coordinate through the EOC directly.

--Coordinated efforts with Deputies. A GCSO Lt and Captain on the ground and in the EOC were integral in helping us quickly put together a delivery system that was efficient, and allowed us to skip past obstacles they had already encountered in their previous day's work. In addition, it was GCSO that secured the UHaul trucks for us to use.

--Maintaining a large, central distribution point. This makes it easy to get trucks, vehicles, and supplies in and out very quickly.

As a side note, the delivery model used today was 1 UHaul truck, DHHS personnel, and marked police units per street, and we covered streets at a time. DHHS doubled up going door to door (this was an internal decision made by them). If we were using only law enforcement, we could reduce this number to volunteers per truck, but lower than that would slow down progress, more than would just result in people getting in each other's way, and would make transporting them difficult, not to mention clogging up the street with transport vehicles (which happened today). We used the Sheriff's bus to move volunteers instead of their SUVs because the number of vehicles ended up creating congestion issues on the streets we were delivering on.

Recommend to consider changing on 1-13-16:

--Use of DTMB box trucks (see above). Securing more UHaul type trucks would speed up loading and off-loading.

--We can sustain meals from the EOC for the 60 personnel involved today. More than that is going to require an outside source.

--Using less vehicles to transport volunteers. We used the GCSO bus today, and can continue that until Sunday, however a central transportation unit seems to work best at this point, not individual SUVs for each person team.

Sent from my iPad

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Monday, July 14, 2014 5:59 PM
To: Deasy, Thomas (MSP); Kanicki, Bonnie (MSP)
Cc: Sipes, Stephen (MSP); Young, Patrick (MSP)
Subject: RE: Protest in Flint

Clear thanks

Gene

From: Deasy, Thomas (MSP)
Sent: 7/14/2014 5:48 PM
To: Kanicki, Bonnie (MSP)
Cc: Kapp, Gene (MSP); Sipes, Stephen (MSP); Young, Patrick (MSP)
Subject: RE: Protest in Flint

Pat is reporting that the protest is done...the "crowd" is gone.

From: Kanicki, Bonnie (MSP)
Sent: Monday, July 14, 2014 4:14 PM
To: Deasy, Thomas (MSP)
Cc: Kapp, Gene (MSP); Sipes, Stephen (MSP)
Subject: Re: Protest in Flint

Ok Tom. Thanks.

Sent from my iPhone

On Jul 14, 2014, at 4:13 PM, "Deasy, Thomas (MSP)" <DeasyT@michigan.gov> wrote:

> Pat advises the crowd has grown to 70 or so, but still quiet. Chief Tolbert has joined the protestors and is mingling with the crowd, which includes Councilman Mays.
>
> ---
>
> **From:** Kanicki, Bonnie (MSP)
> **Sent:** Monday, July 14, 2014 3:07 PM
> **To:** Simon, David (MSP)
> **Cc:** Deasy, Thomas (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Cole, Brian (MSP); Banner, Shanon (MSP); Teddy, Jason (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Pennell, Ryan (MSP); Kish, Thomas (MSP); Krugielki, Mitchell (MSP); Mathews, Melvin (MSP); Kanicki, Bonnie (MSP); Maike, Aimee (MSP); Hawkins, Christopher (MSP)
> **Subject:** RE: Protest in Flint
>
> Thanks Dave. FYI for all: For the Flint event, the MIOC report
> ; they expect 100-200 may show up.
>
> ---
>
> **From:** Simon, David (MSP)
> **Sent:** Monday, July 14, 2014 2:58 PM
> **To:** Kanicki, Bonnie (MSP)
> **Subject:** RE: Protest in Flint

If necessary, we can call our 6p SCP cars in early-

From: Kanicki, Bonnie (MSP)
Sent: Monday, July 14, 2014 2:54 PM
To: Kapp, Gene (MSP); Sipes, Stephen (MSP); Operations, Lts, Lieutenants (MSP)
Cc: Teddy, Jason (MSP); Simon, David (MSP); Mathews, Melvin (MSP); Kish, Thomas (MSP); Krugielki, Mitchell (MSP); Pennell, Ryan (MSP); Deasy, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Carter, Jerry (MSP); Kaiser, David (MSP); Rampy, David (MSP); Richard, Patrick (MSP); Rice, Matthew (MSP); Jenkins, Marvin (MSP); Cole, Brian (MSP); Banner, Shanon (MSP); Bolger, Matt (MSP); Caldwell, Mike A. (MSP); Kelenske, Chris (MSP); Ellis, James (MSP); Bowman, Kyle (MSP); Kluytman, Julie (MSP); Kanicki, Bonnie (MSP)
Subject: Protest in Flint

Capt. Kapp: in anticipation of the planned protest at City Hall in Flint today at 4:00pm coordinated by a city councilman originally scheduled to protest high water bills and now including our pursuit/crash incident, please be advised between 3:00pm – 6:00pm we have available from the Flint Post:

3:00pm – 4:00pm:
4:00pm – 6:00pm:

The Tri-City post is available for support, if need be:

Days/till 4:00pm:
2:00pm -12:00am:

In the event the 4:00pm Vassar protest is conducted without incident, the West Branch and Lapeer Posts) cars can be diverted to assist MSP Flint, if necessary, as well.

Lt. Mardella Horhn, MSP Ops, advised she will request information from the MIOC if available via F/Lt. Jim Ellis, acting MIOC commander.

Insp. Bonnie Kanicki
Assistant District Commander
Third District Headquarters
Michigan State Police
4495 Corunna Road
Flint, Michigan 48532
(810) 733-9380

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, January 14, 2016 9:11 AM
To: Budde, Brian (MSP)
Subject: RE: Rally Today at Capitol - Flint Water Crisis

Thank you Brian great information

Gene

From: Budde, Brian (MSP)
Sent: Thursday, January 14, 2016 9:01 AM
To: Kelly, David (MSP); Bolger, Matt (MSP); Gasper, Joe (MSP); O'Neill, Stephen (MSP); Boucher, Brody (MSP); Kapp, Gene (MSP); Kelenske, Chris (MSP); Nevin, Michael (MSP); Kluytman, Julie (MSP); Ames, Corey (MSP); Lass, James (MSP); Operations, Lts, Lieutenants (MSP); Taylor, Suzan (MSP)
Subject: Fwd: Rally Today at Capitol - Flint Water Crisis

Please see the information below reference the water issue in flint.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY."

Sent from my iPhone

Begin forwarded message:

> **Subject: Rally Today at Capitol - Flint Water Crisis**
>
> Good Morning,
>
> This morning the organizer indicated he has a head count of about 150 people coming from Flint, there are two groups caravanning to the Capitol. One group leaving around 9:30 and another around 10:00. He did not indicate how many, if any were coming from Detroit, Benton Harbor, Ecorse, or Allen Park. They do mention that "other brethren from across the state are meeting us!" . It appears this group wants to have a peaceful protest to express their opinions on the water crisis in Flint.

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I will continue to monitor open source for any threats or suspicious postings. So far I haven't seen any evidence of counter protestors or any groups with a counter-view.

Thanks,

Sue

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Beckner, Jessina (MSP)

From: Operations, Lts, Lieutenants (MSP)
Sent: Saturday, October 03, 2015 5:14 PM
To: Pennell, Ryan (MSP); Kish, Thomas (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP); Young, Patrick (MSP); Pummill, Paul (MSP)
Subject: RE: U of M Flint Campus Detail Update - Water Filter Distribution

Operations is clear, thank you for all of the updates.

Spl/Lt. Mardella Horhn
Intelligence Operations Division

From: Pennell, Ryan (MSP)
Sent: Saturday, October 03, 2015 5:06 PM
To: Kish, Thomas (MSP); Operations, Lts, Lieutenants (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP); Young, Patrick (MSP); Pummill, Paul (MSP)
Subject: Fwd: U of M Flint Campus Detail Update - Water Filter Distribution

5pm Update:

* This will be the final update as U of M Chief Hall has cleared all MSP Units from the detail.
* The organizers have approximately 100 people left in line and will finish the line before closing.
* There will be approximately 1,000 filters remaining.
* There are no protestors at the scene.
* No reported issues or concerns.
* Again, all MSP units are clear the scene and enroute back to their respective posts.

4pm Update:

* 2,100 filters remain.
* Approximately 80 people in line to receive a filter.
* No protestors at the scene.
* No reported issues or concerns.
* Organizers are stating they will shut down at 5pm as planned.

3pm Update:

* Activity has increased slightly. There are 200 people in line to receive a filter
* There are 3,000 filters remaining.
* No protestors at the scene.
* No reported issues or concerns.

1pm Update:

* 600 filters have been handed out.
* No protestors at the scene.
* No reported issues or concerns.
* Approximately 20 people in line to receive a filter.
* Next update will be at 3pm unless there is a significant change or operational need to report sooner.

Noon Update:

* Restrictions on the order in which filters are being handed out have been lifted. Anyone living in a zip code that is affected, and showing proof, will be given a filter as they arrive.
* No protestors at the scene.
* No reported issues or concerns.
* Approximately 20 people in line to receive a filter.

11am Update:

* No protestors at the scene.
* No reported issues or concerns.
* 30 people in line to receive filters.

10am Update:

* Doors are open for filter distribution with everything running smoothly.
* No protestors at the scene.
* Approximately 200 people in line.
* No reported issues or concerns.
* Media is on scene; Channels 12 and 5

The water filter distribution to affected city of Flint residents is expected to start at 10am this morning on the University of Michigan, Flint Campus. No additional filters arrived throughout the night and there are only approximately 5000 filters to hand out.

9am:

* MSP personnel are on scene to assist and currently in a briefing with U of M Chief Ray Hall

* There are no protesters on scene.

* There are 5 people in line to receive a filter.

* There are no reported issues or concerns.

Thank you,

Ryan

Lt. Ryan Pennell

Assistant Post Commander

Michigan State Police

Flint Post #35

G-4481 Corunna Road

Flint, MI 48532

Office: (810) 732-1111

Fax: (810) 732-5306

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY"

Sent from my iPad

Beckner, Jessina (MSP)

From: Colonel Etue <MichStatePolice@govsubscriptions.michigan.gov>
Sent: Tuesday, January 12, 2016 4:39 PM
To: Kapp, Gene (MSP)
Subject: Revised: Volunteers needed for water resource teams in Flint

Note: Dates are January 14 and January 15.

The department is soliciting volunteers from within the department, both enlisted and civilian, to join water resource teams working to hand out bottled water, water filters, replacement cartridges, and water testing kits at homes in the city of Flint. This effort is part of the state's response to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

Teams are being assembled for shifts on Thursday, January 14 and Friday, January 15. Volunteers will begin their assignment in Flint at 9 a.m. and end by 4 p.m. Volunteers can be available for one or both days. Lunch will be provided.

Employees chosen for this assignment are considered to be working on-duty; this assignment would be considered their scheduled work day. Overtime or compensatory time is not authorized for this assignment.

Transportation will be provided using state vehicles; mileage reimbursement for personal vehicles is not authorized. Volunteers should dress for working outdoors and wear foot attire appropriate for walking.

Interested employees should obtain the approval of their supervisor. ***Supervisors must forward the names of approved volunteers and their email addresses through the chain of command to bureau with the date(s) available by 1 p.m. tomorrow, Wednesday, January 13.***

Confirmation of selected employees, along with additional logistical details, will be made via email by 5 p.m. on Wednesday, January 13.

For questions, please contact Insp. Scott Marier at 517-373-7761.

This email was sent to kappg@michigan.gov using GovDelivery, on behalf of: Michigan State Police · 333 S. Grand Ave · P.O. Box 30634 · Lansing, MI 48933

Beckner, Jessina (MSP)

From: Operations, Lts, Lieutenants (MSP)
Sent: Saturday, October 03, 2015 5:37 PM
To: Operations, Lts, Lieutenants (MSP)
Subject: Situational Awareness: U of M Flint Campus Detail Updates - Water Filter Distribution

The below updates were provided by Lt. Ryan Pennell of the Flint Post.

5pm Update:

* This will be the final update as U of M Chief Hall has cleared all MSP Units from the detail.
* The organizers have approximately 100 people left in line and will finish the line before closing.
* There will be approximately 1,000 filters remaining.
* There are no protestors at the scene.
* No reported issues or concerns.
* Again, all MSP units are clear the scene and enroute back to their respective posts.

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Thank you,

Ryan

Lt. Ryan Pennell
Assistant Post Commander
Michigan State Police
Flint Post #35
G-4481 Corunna Road
Flint, MI 48532
Office: (810) 732-1111

Fax: (810) 732-5306

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through EXCELLENCE,
INTEGRITY and COURTESY"

Bcc: 3rd District Command 1; Executive Council 1; MIOC Leadership Team 1; Flint Post

Spl/Lt. Mardella Horhn
Intelligence Operations Division
Michigan Department of State Police
333 South Grand Ave
Lansing, MI 48909
Tx: 517-241-8000
Fax: 517-241-6815

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JOIN THE MSP

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 12, 2016 12:44 PM
To: Sims, Shannon (MSP); Sims, Shannon (MSP); Mapes, Todd (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP)
Subject: Trooper Staffing for Flint Water Emergency Situation

Importance: High

Commanders;

Ref the state of emergency response to the Flint water crisis – additional MSP resources are being requested. Currently the Flint Post is supplying a squad of troopers for security and traffic control for the water/filter distribution trucks that have been deployed in the neighborhood.

Effective Saturday, January 16th and continuing through Friday January 22- additional Third District troopers will be utilized to supplement the Flint post for this operation.

I am requesting each from Lapeer, Caro and Tri-City to augment a squad from Flint consisting of a

The time frame of this request is January 16th and tentatively through January 22. (may end sooner or may go longer)

This will require a am arrival at the Flint operations center and curtail aroun on the above listed dates.

Lt. Amy Dehner is the POC for this project and she can be reached at cell She can provide you with further reporting details and requirements of this assignment.

Note: Please staff with ON-DUTY personnel. If overtime is needed for staffing or end of shift hold overs, this will come from YOUR POST overtime line – with reimbursement down the road (hopefully!)- so do your best to staff with personnel working already.

SCP (Flint and Saginaw) overtime CAN NOT BE USED for this operation.

Lt. Dehner has PCA/INDEX for tracking purpose (not overtime) of those assigned – she can provide you with further on time accounting.

By noon on Thursday, January 14, please send the name of your r to Lt. Dehner with a cc to me.

Thanks.

Steve

Inspector Stephen Sipes
Michigan State Police
Assistant District Commander
Third District Headquarters
G-4495 Corunna Rd.,
Flint, MI 48532

TX: 810-733-9380
Fax: 810-733-9399

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Beckner, Jessina (MSP)

From: Colonel Etue <MichStatePolice@govsubscriptions.michigan.gov>
Sent: Tuesday, January 12, 2016 4:25 PM
To: Kapp, Gene (MSP)
Subject: Volunteers needed for water resource teams in Flint

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Volunteers will begin their assignment in Flint at 9 a.m. and end by 4 p.m. Volunteers can be available for one or both days. Lunch will be provided.

Employees chosen for this assignment are considered to be working on-duty; this assignment would be considered their scheduled work day. Overtime or compensatory time is not authorized for this assignment.

Transportation will be provided using state vehicles; mileage reimbursement for personal vehicles is not authorized. Volunteers should dress for working outdoors and wear foot attire appropriate for walking.

Interested employees should obtain the approval of their supervisor. **Supervisors must forward the names of approved volunteers and their email addresses through the chain of command to bureau with the date(s) available by 1p.m. tomorrow, Wednesday, January 13.**

Confirmation of selected employees, along with additional logistical details, will be made via email by 5 p.m. on Wednesday, January 13.

For questions, please contact Insp. Scott Marier at 517-373-7761.

This email was sent to kappg@michigan.gov using GovDelivery, on behalf of: Michigan State Police 333 S Grand Ave - P O Box 30634 - Lansing, MI 48933

Beckner, Jessina (MSP)

From: Kelenske, Chris (MSP)
Sent: Wednesday, October 14, 2015 5:23 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Sands, Thomas (MSP); Smith, Paul (GOV)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Katarsky, Anthony (MSP)
Subject: 10/13/2015 Flint Water Update

FYSA - The below is from the 3 p.m. Conference Call yesterday with MDHHS and Genesee County Health Department on the Flint Water issue.

GCHD Update:

Central Point of Communication/Coordination

- The United Way held a meeting with community partners today and the GCHD announced it would be acting as the communication hub.
- GCHD is working with the United Way to create a dissemination list for updates.
- The School Board President has been joining the meetings at the United Way and discussions with contacts at private and charter schools are occurring to supply them with filters.
- GCHD advised that they will proceed with a daily briefing at 4:00PM.

Filter Tracking System

- GCHD and Kris Schoenow (MDHHS) are working to expand the cloud-based database to include all needed information so that one database can be used to track filter distribution.
- It is important that the database track the types of filters provided since replacement filters need to be distributed to these families in a couple of months.
- The database will be used to cross reference the list of kids with elevated blood levels to ensure these households receive filters.

MDHHS Update:

Protocol for Identifying and Prioritizing Children that Require Testing and Case Management

- 151 children from all Flint zip codes have been identified with previous blood lead levels of 5 or over since April, 2014.
- 85% of the children are Hurley patients. 92% of the children receive Medicaid.
- 75 of the children need venous draws; 76 need venous retesting.
- Eden Wells, Rashmi Travis, Nancy Peeler, Toni LaRocco (GCHD) and Dr. Gary Johnson (GCHD) will work together to develop the testing and case management protocols.
- Possible completion date of protocol by October 14th.
- U of M Flint, and McLaren Health are interested in assisting with capillary lead testing. Public health students can also assist as needed.
- Training may be needed on the protocols and data reporting.
- There was discussion about parental requests to test older children. The risk based protocol will be customized given the situation.
- The environmental assessment protocol is currently available on the MDHHS website.

Funding

- Still awaiting approval of the supplemental funding request.

Communication

- There was discussion about communication/engagement with providers.

- Geralyn is working on a list of providers and partners list.
- She will work with Hilda on the dissemination of information to the appropriate groups and the community.
- The new lead toolkit has been completed and was sent to Mark today via links.
- An FAQ document has been created and is awaiting approval. An infographic also is in development.
    - Once approved, both the infographic and FAQ will be sent to Mark and posted to the site.

NEXT STEPS/ACTION ITEMS

- Completion of the testing and case management protocol
- Continue daily state-local update calls
- Send FAQ to Mark Valacak once it has been approved by MDHHS Communications

Completion of changes to the filter distribution database.

Chris

Beckner, Jessina (MSP)

From: Grant, Rebecca (MSP)
Sent: Saturday, February 13, 2016 12:12 PM
To: Etue, Kriste (MSP); Behen, David (DTMB); Pauley, Suzanne (DTMB); Christensen, Chris (DTMB); Kopacsi, Christian (DTMB); Kelly, David (MSP); Gasper, Joe (MSP); Stone, Michael (DMVA); Swanson, Eric (DTMB); Davenport, Rodney (DTMB); Sweeney, Matthew (DTMB); Gelisse, Ashley (DTMB); Stibitz, Brom (DTMB); michael.j.yokie.mil@mail.mil; Cruz, Richard (MSP); Ellis, James (MSP); Cook, Danny (MSP); jamar.w.williams.mil@mail.mil; Budde, Brian (MSP); McPherson, Victoria (DTMB); Herbert Ward (herbert.e.ward.mil@mail.mil); Guy, Daniel Edward (Dan) Maj USAF 110 MSG (US) (daniel.e.guy.mil@mail.mil); Reasner, Richard (DTMB); Arnold, Richard (MSP); Sands, Thomas (MSP); Gorski, Gary (MSP); Sible, Shawn (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Bolger, Matt (MSP); Poupard, Jay (MSP); Hunt, Lizabeth (MSP); 'Vangordon, Jeffrey T'; Grant, Rebecca (MSP); Taylor, Suzan (MSP); Eddy, David (MSP); Reed, David J SGT USARMY NG MIARNG (US); Bansemer, Ryan R CW2 USARMY NG MIARNG (US); Vannortwick, Daniel M MSgt USAF (US)
Subject: Cyber Threats Related to the Flint Water Crisis - SitRep

All,

No additional information of note is available at this time. Should an incident or potential issue arise, we will notify you as soon as possible. Any non-urgent matters which may arise after this email is sent will be disseminated in the next SitRep.

Thank you,

Rebecca Grant, CICA
Senior Intelligence Analyst
Gangs and Organized Crime
Intelligence Operations Division
Michigan State Police
333 S. Grand Ave., Lansing, MI 48906
TX: (517) 335-4366
FX: (517) 335-5163
E-mail: grantr@michigan.gov

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From:	Taylor, Suzan (MSP)
Sent:	Monday, February 15, 2016 4:45 PM
To:	Michigan Cyber Command Center (MC3); Etue, Kriste (MSP); Behen, David (DTMB); Pauley, Suzanne (DTMB); Christensen, Chris (DTMB); Kopacsi, Christian (DTMB); Kelly, David (MSP); Gasper, Joe (MSP); Stone, Michael (DMVA); Swanson, Eric (DTMB); Davenport, Rodney (DTMB); Sweeney, Matthew (DTMB); Gelisse, Ashley (DTMB); Stibitz, Brom (DTMB); michael.j.yokie.mil@mail.mil; Cruz, Richard (MSP); Ellis, James (MSP); Cook, Danny (MSP); jamar.w.williams.mil@mail.mil; Budde, Brian (MSP); McPherson, Victoria (DTMB); Herbert Ward (herbert.e.ward.mil@mail.mil); Guy, Daniel Edward (Dan) Maj USAF 110 MSG (US) (daniel.e.guy.mil@mail.mil); Reasner, Richard (DTMB); Arnold, Richard (MSP); Sands, Thomas (MSP); Gorski, Gary (MSP); Sible, Shawn (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Bolger, Matt (MSP); Poupard, Jay (MSP); Hunt, Lizabeth (MSP); 'Vangordon, Jeffrey T'; Grant, Rebecca (MSP); Eddy, David (MSP); Reed, David J SGT USARMY NG MIARNG (US); Bansemer, Ryan R CW2 USARMY NG MIARNG (US); Vannortwick, Daniel M MSgt USAF (US)
Subject:	*Cyber Threats Related to the Flint Water Crisis - SitRep-12-2016*
Attachments:	Cyber Threats Releated to the Flint Water Crisis SitRep-12-2016.pdf

All,

Attached is the latest version of the SitRep. All updated content is in RED.

Thank you,

Sue Taylor

Michigan Cyber Command Center (MC3)
Michigan State Police
333 S. Grand Ave.
P.O. Box 30634
Lansing, MI 48909
1-877-MI-CYBER

(U) CYBER ATTACKS RELATED TO STATE OF MICHIGAN, CITY OF FLINT, AND OTHERS

Cybersecurity Threat Level 2 – Medium (Yellow)

(U) EXECUTIVE SUMMARY

(U//FOUO) The Michigan Intelligence Operations Center (MIOC) and the Michigan Cyber Command Center (MC3) received information warning that the State of Michigan, Governor Snyder, the City of Flint, City of Flint Mayor Weaver, and other private individuals and entities are at an increased risk of cyber-attacks. In addition to doxing, the act of gathering and publishing individuals' personal information without permission, threat actors have attempted to compromise government servers, workstations, and email accounts. The Department of Technology Management & Budget (DTMB), MC3, and MIOC are working together to identify, mitigate, and remediate actions taken against state infrastructure.

(U) INVESTIGATIVE UPDATES

- 02/10/2016

- 02/07/2016

- 02/05/2016

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- 01/30/2016

- 01/29/2016

- 01/28/2016

- 1/27/2016

- 01/26/2016

- 01/25/2016 – 01/26/2016

- 01/25/2016

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- **01/22/2016**

- **01/21/2016**

- **01/16/2016**

(U//FOUO) To help reduce the risk of exposure and targeting by malicious actors, it is suggested the following considerations be implemented:

- Change passwords regularly (use a passphrase with 15 characters or more)
- Be wary of suspicious phone calls or emails from unknown individuals/organizations
- Be cautious when clicking on links or attachments contained in emails
- Search yourself online so you are aware of what information is publically available
- Set up a Google alert for your name so you are alerted when information has been posted about you online
- Use privacy settings on social media accounts
- Limit personal postings on media sites and consider comments being made
- Do not list law enforcement employment on your social media accounts
- Monitor personal credit and banking activity
- Update hardware and software applications continually

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- 02/15/2016

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- 02/15/2016

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- 02/12/2016

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- **02/10/2016**

- **02/06/2016**

- **02/05/2016**

  - Democratic presidential candidate Hillary Clinton will be in Flint on February 7, 2016 to "see the crisis with lead-contaminated water firsthand and to urge the U.S. Senate to approve $600 million in aid." Details of the visit are currently unavailable. Numerous news articles written about her visit

    http://www.freep.com/story/news/politics/2016/02/04/hillary-clinton-heading-flint-sunday/79850680/

- **02/03/2016**
  - A democratic presidential debate between Bernie Sanders and Hillary Clinton is scheduled to take place on March 6, 2016 in Flint. The specific time and location are currently undetermined. Numerous news articles written about the upcoming debate

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- **02/01/2016**

  Up posted a YouTube video titled "Anonymous Resistance - #OpFlint." This video is similar to the one posted on January 31, 2016, by Anonyous RedCult. Additional content stated that cyber attacks would occur against the Department of Human Services if children were removed from their homes due to unpaid water bills. It also called on "crackas, cyber warriors, anarchists, and black blockers" to take action. A copy of the video and transcript are included below.

Greetings dissidents of the world. *We are Anonymous. We are the resistance* The Flint Water Crisis has drawn the attention of Anonymous Anonymous would first like to pay respect to the victims of this deliberate poisoning. We will not rest until the families of the murdered people and lead poisoned children get justice. The victims of unspecified ills and rashes. We will support you and magnify your voice. For Michigan Governor Rick Snyder your failed cost cutting measures has caused the death of the people you have been charged with the responsibility of protecting. The decent and responsible next action from you would be to step down from office. This isn't what you have chosen to do. Instead you are allowing the people of Flint to be further terrorized by the system you set up. You gave the power of Flint's government to an emergency manager.

Darnell Early rejected using Flint River water in 2012 after meeting with the EPA. Yet you overrode his decision You used the contaminated river water and deteriorated plumbing. You also decided to save another $100 per day by not adding the critical *chemicals to keep from further degrading the aging infrastructure* City and State workers have been provided clean drinking water for quite some time now. Yes, these deaths and lifelong illnesses are squarely are on your hands. The people of Flint are still being mailed bills for poisonous water. Further you threaten them with condemnation of their homes, removal of their children and placement of those children in a state agency that you also govern. We will not stand idly by while you murder, poison, and terrorize our brothers and sisters in Flint Michigan

This is a call to all hacktivists, activists, trolls, protestors, marchers, agents, phishers, crackas, cyber warriors, anarchists, and black blockers. Those who work in this corruption can speak through us Anonymously as well. *All people of humanity should know that* Michigan has the largest reserve of fresh water on earth. If this can happen in Michigan it can most assuredly happen where you live. We ask that you use your skills, talents, and time to help bring justice to our fallen and injured family in Flint. Cyber attacks are *already underway.*

In the event that children are taken from their homes because of failure to pay for poisonous water there will be concentrated cyber attacks on Michigan State Department of Human Services, Governor Snyder, any and all government websites, Brian Larkin, Howard Croft, Natasha Henderson, and Dayne Walling, you also have found yourselves targets of Anonymous. Protestors should peacefully occupy the water department, 1101 Saginaw Street, Flint, Michigan.

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Don't let your neighbors pay for poisonous water. Protest at the Governor's mansion, protest the EPA in all states. They are allowing the poisonous water to still flow and further victimization of people who live in and visit Flint. Rick Snyder, you operate outside the law as do your officers and city officials You have turned your state into a third world We will do whatever it takes to bring you to justice.

State officials of Michigan and city officials of Flint your days of lawlessness are at an end. Environmental Protection Agency this has been a long time coming. And to all of you who violate the people it is far too late to expect us. We are Anonymous, we are the resistance, united as one, divided by zero, we do not forgive, we do not forget, we stand with your victims. Operation poisoned H2O engaged.

- **01/31/2016**

posted a YouTube video focusing on the water issues in Flint. In this video the actor states "Cyber attacks are already under way. In the event that children are taken from their home because of failure to pay for poisonous water there will be concentrated cyber attacks on Governor Snyder, government websites, Brian Larkin, Howard Croft, Natesha Henderson, and Dayne Walling." The video urges protesters to peacefully occupy the Flint water department. A full transcript of the video is below.

#OpPoisonedH20

Greetings citizens of the world we are Anonymous The Flint water crisis has drawn the attention of Anonymous. Anonymous would first like to pay respect to this deliberate poisoning. We will not rest until the families of the murdered people and lead poisoned children get justice. The victims have been specified (garbled). We will support you and magnify your voice.

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For Michigan Governor Rick Snyder your failed cost cutting measures have caused the death of your people you are charged with the responsibility to protect. The decent and responsible next action from you would be to step down from office. This isn't what you have chosen to do. Instead you are allowing the people of Flint to be further terrorized by the system you set up. You gave the power of Flint's government to an emergency manager. Darnell Earley rejected using Flint River water in 2012 after meeting with the EPA. Yet you overrode his decision.

You used the contaminated river water and the deteriorated plumbing You also decided to save another $100 per day by not adding the critical chemicals to keep from further degrading the aging infrastructure. City and State workers have been provided clean drinking water for quite some time now. Yes, these debts and lifelong illnesses squarely are on your hands. The people of Flint are still being mailed bills for poisonous water.

Further you threaten them with condemnation of their homes, removal of their children and placement of those children in a state agency that you govern We will not stand idly by while you murder, poison, and terrorize our brothers and sisters in Flint Michigan. This is a call to all hacktivists, activists, trolls, protestors, marchers, agents, vishers, those who work in this corruption can speak through us Anonymously as well All people of humanity should know that Michigan has the largest reserve of fresh water on earth. If this can happen in Michigan it can most assuredly happen where you live. We ask that you use your skills, talents, and time to help bring justice to our fallen and injured family in Flint.

Cyber attacks are already under way. In the event that children are taken from their home because of failure to pay for poisonous water there will be concentrated cyber attacks on Governor Snyder, government websites, Brian Larkin, Howard Croft, Natasha Henderson, and Dayne Walling you should do the right thing as well. Protestors should peacefully occupy the water department, 1101 Saginaw Street, Flint, Michigan. Don't let your neighbors pay for poisonous water. Protest at the Governor's mansion protest the EPA in all states. They are allowing the poisonous water to still grown and further victimization of people who live in and visit Flint. Governor Rick Snyder, State of Michigan, City of Flint, US Environmental Protection Agency, we are Anonymous united as one, divided by zero, we do not forgive we do not forget, expect us.

- **01/30/2016**

It's not just you! http://michigan.org looks down from here.

- **01/29/2016**
  - NYTimes.com published an article titled "Michigan Gave State Employees Purified Water as It Denied Crisis, Emails Show." That displayed a number of state employee's full name and signatures. The release of this information may put these employees at greater risk for phishing attempts. Note: This PDF can be found in various locations online.

  - "Wanted" posters were posted on poles around the southeast Michigan region. These posters urge citizens to arrest Governor Snyder. MLive highlighted images of these posters.

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- **01/27/2016**
  - International Business Times published an article titled, "Flint Water Crisis: Anonymous Hacks Michigan Website, Online Hacking Collective Says." In the article, Anonymous claims to have launched a cyber-attack against the State of Michigan's official website in an apparent act of revenge for the City of Flint's water crisis.

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- Rachel Maddow of MSNBC will host her television show from Holmes School located at 6602 Oxley Dr., Flint, MI. Guests of Ms. Maddow include Flint Mayor Karen Weaver, U.S. Senator Debbie Stabenow, Dr. Mona Hanna-Allisha of Hurley Medical Center, and more. The event is scheduled to take place at 7 p.m EST.
  is unknown how the show selects its audience members,

- **01/25/2016**

; published a video via the YouTube channel, TruthSec Official, on behalf of the group Anonymous using the hashtag #OpYouDrinkThat. The video stated the following:

Greetings fellow citizens of the United States of America, to all of our supporters and followers, and a special hello to Governor Richard Snyder of Michigan This is anonymous We've been watching what has been going on in Flint Michigan Gov Snyder and the fact that nothing is being done by you, Mayor of Michigan Dayne Allen Walling, or any of their staff in an attempt to fix this current state of emergency with the drinking water supply is unacceptable, and needless to say we are not happy.

Until you, Gov. Snyder decide to change this attrocitiy that you have started we will be doxing not only you but your entire family and the families of all the government workers of Flint. This will involve but is not limited to, Darnell F Earley, Howard D Croft, Dayne Allen Walling, and Dr. Edward J Kurtz, just to name a few.

We would like to explain to you that normally we do not involve families in matters like this, but this is a different case entirely. Where as you're going about and poisoning children daily we will have no remorse this time, and will not hold any documents back

Everything will be released about you Mr. Snyder, your wife, and your children's . The same goes for all who worked directly under Mr. Walling who resigned And We hope you decide to fix this now, before it is too late. This will be our last warning. We are Anonymous, We are Legion, We do not Forgive, We do not Forget, You should have expected us Mr. Snyder.

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- **01/24/2016**

- **01/23/2016**

- **01/22/2016**

published a video via the YouTube channel "TruthSec Official" on behalf of the group Anonymous titled, "A Message To Gov. Richard Dale Snyder." The video content is on the following page.

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In March 2014, Flint government officials made the decision to switch Flint's water source from the DWDS to the Karegnondi Water Authority The purpose of the Authority is to provide and distribute raw water to the region which they did using the Flint River as their source. Immediately upon the switch, the residents of Flint noticed a difference in the taste, smell, and color. How did your staff and you not notice the difference?

Did it ever occur to you when General Motors decided to close their doors to Flint's public water source and invest in a private company for their water supply, that this water may not be safe for drinking? After all, if it wasn't good enough to manufacture cars with, how was ingesting it safe or beneficial to one's health?

Ask yourself this Governor. If the water running from your faucet, that your children Jeff, Melissa, and Kelsey use to brush their teeth with, or that your wife Sue bathes in was yellow, polluted, and lead infused, would you be okay with it? The physical appearance of the water itself is off putting When residents questioned it, they were assured by Flint public officials that the levels of TTHM in the water were safe for human consumption All false

Only after Virginia Tech conducted a study on the harmful agents in Flint's river water supply was the truth revealed. In addition to increased levels of TTHM in the water, there was up to three times the levels of lead in Flint water than what is approved for human consumption in the United States. As a first world country, we are living in third world conditions. Our innocent children have had to pay for your uninformed and illegitimate decision to sell poisoned water and play russian roulette with their health.

We need to focus on this immediately A state of emergency was declared yet nothing was done. The majority of people in Flint, reside in low income neighborhoods. They are being forced to live off of bottled water for cooking, cleaning, showering, and everything else The children in Flint have already been exposed to lead poisoning Along with you, the elected city officials are failing to acknowledge the crumbling infrastructure they have created. Someone has to be held accountable, including you Governor. To save a couple pennies in your budget, you sacrificed not only innocent lives but the faith of the community.

You have lost all credibility and will be remembered as a man who traded a basic human right for profit. You poisoned our children knowingly and capitalized on this Your nonchalant approach and inaction to the apparent genocide you have help create in the city of Flint, has dictated your position in this matter. Governor, it's time you suffer the consequences of your bad decision.You will be made an example of

On behalf of the entire community, we are demanding your resignation in concurrence with making the switch back to the Detroit Water System. We are demanding clean, free water

We are Legion. We do not forgive, we do not forget. Expect us, Governor. The world is watching.

- **01/20/2016**

  ɔ published a video via YouTube by Anonymous titled "#OpFlint." The video stated:

  Greetings Citizens of the world,

  We are Anonymous.

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For over a year now the citizens of Flint, Michigan have been subjected to drinking tap water filled with lead and other poisons.

Over 3000 children residing in flint have been diagnosed with lead poisoning andother contaminated water illnesses

This issue went unreported by the mainstream media for entirely too long.

A resident of Flint, Michigan and activist by the name of "@C1tyOfFl1nt" has worked for countless hours, weeks, and years to bring awareness to the water crisis in flint.

And now that OpFlint is in the media and people are aware, we must remind the city officials of flint that we do not forget and we do not forgive

The crimes committed by Governor Snyder as well as other city officials will not go unpunished

The city of Flint deserved to be informed and made aware of the problem with the town drinking water.

The fact that Governor Snyder stayed silent while the children of flint were poisoned says a lot about his character.

It is safe to assume that children may already be doomed to die due to this. It says a lot about how Snyder and those who answered to him on this matter feel about the citizens of Flint.

It's clear to us that Governor Snyder needs to be reminded that he is a servant for the very same people he has poisoned and made sick Or perhaps he never forgot. Perhaps corruption is at play here. In that case, he is now going to simly be shown the error of his evil ways.

We feel that there currently exists enough evidence to arrest Governor Snyder for either voluntary or involuntary manslaughter, and that a full scale investigation into the Flint Water crisis and a criminal trial will yield the information that will send governor Snyder to prison

We encourage the city of Flint to be vocal and demand that Governor Snyder face criminal charges. Anonymous will stand beside you.

We will amplify your voice where the mainstream media will surely fail you, as it has in the past.

We will also join you in calling bullshit on any spin that the corporate media is prepared to put on this, as they have on other past crises that affect the welfare of the common people in this country-most notably the poor and people of color. Governor Snyder and his cronies have brought pain and suffering, and possible death to the people of Flint.

They have also clearly displayed contempt for the children of flint. Certainly they have displayed no remorse or guilt.

But it all stops now.

Because what Governor Snyder will soon learn is what we do not forgive We do not forget. The people responsible for this crises will be held accountable. Every wrong doing will be rectified

The city of Flint deserved better, governor. Instead they got a murderer.

One again justice will arrive in the form of a pale mask.

We are Legion.

We are the citizens of #OpFlint.

Governor Snyder, did you really not expect us?

- **01/19/2016**

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- 01/16/2016

(U) The MIOC and MC3 are requesting in any information related to "The Seven Signs of Terrorism" to include cyber activity:

- Surveillance
- Elicitation
- Tests of Security
- Acquiring Supplies
- Suspicious Person(s) Out of Place
- Dry Runs
- Deploying Assets

(U) HOMELAND SECURITY STANDING INFORMATION NEEDS

(U//FOUO) This bulletin corresponds to HSEC-1 and HSEC-8.

(U) ADMINISTRATIVE NOTE

(U) Send additional questions or concerns to mc3@michigan.gov and/or MIOC@michigan.gov.

(U) The Michigan Intelligence Operations Center (MIOC) and Michigan Cyber Command Center (MC3) prepared this joint product. Contact the MIOC by phone at 517-241-8000, by fax at 517-335-5163, or by email at MIOC@michigan.gov for additional information.

(U) Contact the Michigan Cyber Command Center (MC3) by phone at 1-877-MI-CYBER by fax at 517-335-5163, or email at mc3@michigan.gov for additional information.

DISSEMINATION DATE: February 15, 2016

MSP Command
MIOC Command
A-Team
DTMB
Michigan National Guard

A-101

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Beckner, Jessina (MSP)

From: Michigan Cyber Command Center (MC3)
Sent: Thursday, February 11, 2016 3:53 PM
To: Etue, Kriste (MSP); Behen, David (DTMB); Pauley, Suzanne (DTMB); Christensen, Chris (DTMB); Kopacsi, Christian (DTMB); Kelly, David (MSP); Gasper, Joe (MSP); Stone, Michael (DMVA); Swanson, Eric (DTMB); Davenport, Rodney (DTMB); Sweeney, Matthew (DTMB); Gelisse, Ashley (DTMB); Stibitz, Brom (DTMB); michael.j.yokie.mil@mail.mil; Cruz, Richard (MSP); Ellis, James (MSP); Cook, Danny (MSP); jamar.w.williams.mil@mail.mil; Budde, Brian (MSP); McPherson, Victoria (DTMB); Herbert Ward (herbert.e.ward.mil@mail.mil); Guy, Daniel Edward (Dan) Maj USAF 110 MSG (US) (daniel.e.guy.mil@mail.mil); Reasner, Richard (DTMB); Arnold, Richard (MSP); Sands, Thomas (MSP); Gorski, Gary (MSP); Sible, Shawn (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Bolger, Matt (MSP); Poupard, Jay (MSP); Hunt, Lizabeth (MSP); 'Vangordon, Jeffrey T'; Grant, Rebecca (MSP); Taylor, Suzan (MSP); Eddy, David (MSP); Reed, David J SGT USARMY NG MIARNG (US); Bansemer, Ryan R CW2 USARMY NG MIARNG (US); Vannortwick, Daniel M MSgt USAF (US)
Subject: Cyber Threats Related to the Flint Water Crisis

All,

No additional information of note is available at this time. Should an incident or potential issue arise, we will notify you as soon as possible. Any non-urgent matters which may arise after this email is sent will be disseminated in the next SitRep.

Thank you,

Michigan Cyber Command Center (MC3)
Michigan State Police
333 S. Grand Ave.
P.O. Box 30634
Lansing, MI 48909
1-877-MI-CYBER

Beckner, Jessina (MSP)

From:	Etue, Kriste (MSP)
Sent:	Thursday, January 07, 2016 7:10 AM
To:	*Kelenske, Chris (MSP); Gorski, Gary (MSP); Sands, Thomas (MSP); Kapp, Gene (MSP)*
Subject:	Drinking Water Crisis in Flint, Michigan, Prompts Federal Investigation - NBC News

FYI.

http://www.nbcnews.com/nightly-news/video/drinking-water-crisis-in-flint--michigan--prompts-federal-investigation-597142595942

Sent from my iPhone

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Monday, January 11, 2016 10:46 AM
To: Sipes, Stephen (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
Subject: Flint Water - EOC Activation

Inspector,

Just a heads up on activities downtown. The EOC is located in the basement of the county building. They are generally running administrative type hours from 8:00 am until 7:00 pm. The 14's and myself will begin a rotation for MSP downtown starting tomorrow with Lt. Pummill and myself on Wednesday. Lt. Young will also be assigned in a uniform capacity in the coming days. We are tracking OT hours for any personnel downtown.

I've been in touch with Lt. Draves a few times this morning reference the Governor's visit. As of now there are no protesters, and the likelihood of having any is unlikely given the parking and weather conditions today. I will be down at the EOC starting at noon. We will keep you updated.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Wednesday, January 13, 2016 9:14 PM
To: MSP-EOC-MDSP
Cc: Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sipes, Stephen (MSP); Kapp, Gene (MSP)
Subject: Flint Water Crisis-Command Structure

Starting with operations tomorrow, F/Lt Tom Kish-Flint Post will be the Water Distribution Commander.

Lt. Amy Dehner Flint Post will be the EOC MSP Safety Officer

Additional Information forthcoming.

Beckner, Jessina (MSP)

From: Dehner, Amy (MSP)
Sent: Wednesday, January 13, 2016 8:26 PM
To: Easlick, Anthony (MSP); Hutchinson, James (MSP); Hessling, Austin (MSP); Martin, Aaron (MSP); Gooch, John (MSP); Gooch, John (MSP); Poyhonen, Brian (MSP); Dhooghe, Thomas (MSP); Lutz, Richard J. (MSP); Swales, Mark (MSP); Cairnduff, Bryan (MSP); Stickel, Daniel (MSP); Kramer, Steven (MSP); Brown, Angelo (MSP); Richter, Daniel (MSP); Faucette, John A. (MSP); Zook, Duane (MSP); Jones, Richard (MSP)
Cc: Kish, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sparks, Keith (MSP); Mapes, Todd (MSP); Adams, Scott (MSP); Pennell, Ryan (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP)
Subject: FLINT WATER DETAIL MOBILIZATION INFORMATION - URGENT - 12 HOUR NOTICE
Attachments: How to UNZIP.html; SecureZIP Attachments.zip

Importance: High

All,

In continuing State of Emergency water filter distribution operations in the City of Flint, you have been tasked to support security operations tomorrow for MSP volunteers, Thursday January 14, 2016. Please ensure those under your command have been notified about their report time and location. Below is operational assembly information that is critical for you to read as this is very short notice :

MISSION:
Providing water filter escort/traffic control/security for 60+ MSP volunteers (broken into 3 distribution teams) who will be distributing water filters door to door tomorrow in the City of Flint. The majority of your operations will be conducted from your patrol car, on city streets. This mission is being sustained in coordinated support with deputies from the Genesee County Sheriff's Office, who are also supplying marked patrol units.

TIME:
0730 HRS Briefing
1700 HRS Release to home post assignment

LOCATION:
Genesee County Administration Building (Directly across from Flint City Hall)
Emergency Operations Center (EOC)
1105 Beach Street
Basement Level

PARKING:
Parking is available on Saginaw Street directly in front of the county building (east side), or in the adjacent church parking lot on Beach Street

NOTABLE EQUIPMENT REQUIREMENTS:

High visibility vest (in vehicle)
Garrison cap and/or department issued cold weather headgear

RADIO CHANNELS:

MEALS:
Lunch will be provided at noon at the EOC

GROUND OPERATION OIC(s):
Tpr. Rick Jones – Security Group One
Sgt. Duane Zook

EOC SITE SAFETY OFFICER:
Lt. Amy Dehner

OTHER INFORMATION:
This is a high-visibility event for the public and media as well. Please expect members of Executive Council to attend and participate, and/or possibly want to ride along with you in your patrol car.

SECURITY GROUP ONE:

Tpr. Gooch
Tpr. Poyhonen
Tpr. Lutz
Tpr. Easlick
Tpr. Cairnduff
Tpr. Stickel
Tpr. Kramer
Tpr. Brown

SECURITY GROUP TWO:
Tpr. Martin
Tpr. Hessling
Tpr. Dhooge
Tpr. Hutchinson
Tpr. Swales
Tpr. Richter
Tpr. Faucette

Any questions regarding the information contained in this email can be directed to me via cellphone at

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Sunday, January 17, 2016 7:14 PM
To: Sipes, Stephen (MSP)
Subject: FW: "Gathering" of Militia in Flint at 2 p.m. Sunday, January 24 "Standing with Flint"

From: Budde, Brian (MSP)
Sent: 1/17/2016 6:40 PM
To: Kapp, Gene (MSP); Kish, Thomas (MSP); Bolger, Matt (MSP); Kelly, David (MSP); Kelenske, Chris (MSP); Gasper, Joe (MSP); Operations, Lts, Lieutenants (MSP); Bempong, Akosua (MSP); Nevin, Michael (MSP); Kluytman, Julie (MSP); Ames, Corey (MSP); DSEMIIC
Cc: Batchelor Daniel R.; shannon.snider@ic.fbi.gov; Zambeck Nicolas
Subject: Fwd: "Gathering" of Militia in Flint at 2 p.m. Sunday, January 24 "Standing with Flint"

The below event has just been identified for January 24 in Flint.

This is for situational awareness and not for release. The MIOC will continue to search this event and provided updates throughout the week leading up to the event.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY."

Sent from my iPhone

Begin forwarded message:

> **Subject: "Gathering" of Militia in Flint at 2 p.m. Sunday, January 24 "Standing with Flint"**
>
> . This one is hosted by '
> The location is 1099 Saginaw Street, Flint. *I tried to Google that location to determine the significance of the address but couldn't* identify it as a commercial or city facility or park, etc.
>
> The description of the event is as follows:
>
> We the People of the County of Genesee and of the State of Michigan, stand united to say to this government "ENOUGH IS ENOUGH", there have been lives lost and, along with families being ruined from illnesses. We demand that those responsible are held accountable.
>
> To help our effort, The are requesting a show of support on Sunday, January 24, 2016 from

Patriots and Patriot groups across the land as a united front, standing with all citizens of the City of Flint, MI. We ask . and all other like groups to wear your uniforms and insignia to this event. All others are welcome to join us as well! We ask that you only wear side arms and not long rifles, this is not about our 2nd Amendment, this is about the infringement on the good people of Flint. . God Bless the Republic,

On behalf of the

They are asking participants to bring water for the citizens of Flint. plans to have two U-Hauls of water to distribute.

I'll continue to monitor the event and provide updates.

Thanks,

Sue

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Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, February 04, 2016 7:30 AM
To: Sipes, Stephen (MSP); Kish, Thomas (MSP); Furnish, Nicole (MSP)
Subject: FW: "Weekly Ann Arbor Protest: ArrestGovSnyder FlintWaterCrisis"
Attachments: Protesters_ 'Arrest Rick Snyder! Make him drink the water!' _ MLive_2-4-2016.pdf

FYI

Nicole please advise if you are getting these from Sue.

Gene

From: Taylor, Suzan (MSP)
Sent: Thursday, February 04, 2016 7:27 AM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Sands, Thomas (MSP); Arnold, Richard (MSP); Sible, Shawn (MSP); Gasper, Joe (MSP); Kapp, Gene (MSP); Kelenske, Chris (MSP); Bolger, Matt (MSP); Budde, Brian (MSP); Kelly, David (MSP)
Cc: Goldblatt, Kelley (MSP); Grant, Rebecca (MSP); Kluytman, Julie (MSP); Ames, Corey (MSP); Nevin, Michael (MSP)
Subject: "Weekly Ann Arbor Protest: ArrestGovSnyder FlintWaterCrisis"

Good Morning,

The first "Weekly Ann Arbor Protest: ArrestGovSnyder FlintWaterCrisis" was held last night in front of Governor Snyder's residence at [redacted], it is reported that over 80 individuals turned out for the demonstration. Participants loudly chanted, carried posters, and wrote messages on the sidewalk in front of the residence. The event description indicates the group will continue to protest on Wednesdays between 5:30 p.m. - 6:30 p.m. in front of Governor Snyder's residence in Ann Arbor.

The next protest will be held on Wednesday, **February 10 between 5:30 p.m. – 6:30 p.m.** also in front of Governor Snyder's residence in Ann Arbor. Currently 45 individuals have RSVP'd they plan to attend.

This is for situational awareness only.

Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

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Report suspicious activity Website: www.michigan.gov/michtip Email: MIOC@michigan.gov TIP Line: 855-MICHTIP (642-4847)

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Protesters: 'Arrest Rick Snyder! Make him drink the water!'

By Ryan Stanton | ryanstanton@mlive.com
Email the author | Follow on Twitter
on February 03, 2016 at 9 10 PM, updated February 03, 2016 at 11:33 PM

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It's hard out here for a governor.

Facing continued pressure to resign over the Flint water crisis, Michigan Gov. Rick Snyder has been **publicly heckled** while trying to dine out in Ann Arbor, he's been the subject of criticisms written in chalk on downtown sidewalks, his face is on wanted posters plastered around multiple cities, and then there's the protests.

Dozens of protesters demonstrated once again Wednesday night outside the embattled governor's personal condo in downtown Ann Arbor.

Protest organizer Jan BenDor of Michigan Rising said they're planning to continue holding weekly protests outside the Main Street loft condo the governor and his wife moved into this past year. The Snyders had been living in a gated community just outside the city before deciding to make the move downtown.

"We're just hoping to keep this situation in the public eye," BenDor said of the Flint water crisis. "Often even the worst tragedies just disappear after a week or so of concern, and this is a long-term horrible thing that has happened in our state. So, we want to make sure everybody keeps helping with this."

FLINT WATER

Meijer offers $500,000 towards relief efforts in Flint water crisis

Protesters: 'Arrest Rick Snyder! Make him drink the water!'

MDHHS begins investigation into rash reports in Flint's water crisis

Free iPhone app shows Flint residents water distribution sites in city

UM-Flint's enrollment dropped 3 percent after water crisis went national

All Stories

The condo's window blinds were closed Wednesday night, and it wasn't clear that anybody was home, but protesters still chanted loudly.

"Arrest Rick Snyder! Make him drink the water!" they yelled as they marched along Main Street.

"Jail the nerd!" they chanted in unison multiple times.

"No more procrastination! We want incarceration!"

The protesters didn't channel all of their energy into anger and frustration toward the governor, though.

They also handed out fliers informing passersby how they can help the residents of Flint, with suggested charities to support.

"We're encouraging people to donate to the **FlintKids.com** website for the long-term health care of the poisoned children," BenDor said. "And we are also encouraging donations to some other agencies that are doing uniquely good work."

The flier also directs people to a CrowdRise page for a charity for Flint residents called **Crossing Water.**

Ann Arbor resident Susan Fecteau was among those protesting. She's also behind the anti-Snyder sidewalk chalk messages seen around downtown.

"You enjoying your clean water up there, Rick?" read one of the messages written on the sidewalk right outside the governor's window Wednesday night.

Fecteau said she's been out chalking just about every day for weeks now and she's been watched and photographed. She's not sure who's doing it, but somebody has been wiping away her messages after she leaves, but she keeps going back.

She said Wednesday's protest was about making sure people are fully aware of what has happened in Flint.

She said people need to take back their government.

"People need to to get educated about it, and understand that when we vote guys in like this, this is what happens, this is the result," she said.

"And I've been stunned as I've been talking to people. I'm surprised people still don't know what has happened. People don't understand about the emergency manager law. They don't understand about FOIA and that he's FOIA-proof."

Not everyone was happy with the protest, though.

Paula Porter, an employee of the Four Directions store on the ground level under the governor's condo, came out and confronted the protesters. She questioned whether what they were doing was constructive or effective.

"I'm on their side, but I'd prefer they go to Flint," she said. "I've lived in Flint. Go spend time in Flint, get things done."

Porter said she doesn't think the governor is going to care much about what protesters outside his condo have to say.

A city police officer was on the scene at one point responding to complaints that people were stuffing fliers into one or more mail slots.

Dave Murray, a spokesman for the governor, said in response to the protest that Snyder is focused on the people of Flint, not politics.

"He's making sure Flint residents are getting the assistance they need as we move forward, addressing issues related to health, education and infrastructure," he said.

"Today the governor discussed his $30 million proposal to bring relief to Flint residents who have been paying for water they cannot use to drink or cook with. This is on top of the $28 million our partners in the Legislature approved last week to provide immediate relief and the $9 million approved in October.

"People across our state, from both sides of the aisle, are coming together to help the people of Flint."

Ryan Stanton covers the city beat for The Ann Arbor News. Reach him at ***ryanstanton@mlive.com.***

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Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, October 15, 2015 7:39 AM
To: Kish, Thomas (MSP); Sipes, Stephen (MSP)
Subject: FW: 10/13/2015 Flint Water Update

FYI

From: Kelenske, Chris (MSP)
Sent: Wednesday, October 14, 2015 5:23 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Sands, Thomas (MSP); Smith, Paul (GOV)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Katarsky, Anthony (MSP)
Subject: 10/13/2015 Flint Water Update

FYSA - The below is from the 3 p.m. Conference Call yesterday with MDHHS and Genesee County Health Department on the Flint Water issue.

GCHD Update:

Central Point of Communication/Coordination

- The United Way held a meeting with community partners today and the GCHD announced it would be acting as the communication hub.
- GCHD is working with the United Way to create a dissemination list for updates.
- The School Board President has been joining the meetings at the United Way and discussions with contacts at private and charter schools are occurring to supply them with filters.
- GCHD advised that they will proceed with a daily briefing at 4:00PM.

Filter Tracking System

- GCHD and Kris Schoenow (MDHHS) are working to expand the cloud-based database to include all needed information so that one database can be used to track filter distribution.
- It is important that the database track the types of filters provided since replacement filters need to be distributed to these families in a couple of months.
- The database will be used to cross reference the list of kids with elevated blood levels to ensure these households receive filters.

MDHHS Update:

Protocol for Identifying and Prioritizing Children that Require Testing and Case Management

- 151 children from all Flint zip codes have been identified with previous blood lead levels of 5 or over since April, 2014.
- 85% of the children are Hurley patients. 92% of the children receive Medicaid.
- 75 of the children need venous draws; 76 need venous retesting.
- Eden Wells, Rashmi Travis, Nancy Peeler, Toni LaRocco (GCHD) and Dr. Gary Johnson (GCHD) will work together to develop the testing and case management protocols.
- Possible completion date of protocol by October 14th.
- U of M Flint, and McLaren Health are interested in assisting with capillary lead testing. Public health students can also assist as needed.
- Training may be needed on the protocols and data reporting.
- There was discussion about parental requests to test older children. The risk based protocol will be customized given the situation.
- The environmental assessment protocol is currently available on the MDHHS website.

Funding

- Still awaiting approval of the supplemental funding request.

Communication

- There was discussion about communication/engagement with providers.
- Geralyn is working on a list of providers and partners list.
- She will work with Hilda on the dissemination of information to the appropriate groups and the community.
- The new lead toolkit has been completed and was sent to Mark today via links.
- An FAQ document has been created and is awaiting approval. An infographic also is in development.
    - Once approved, both the infographic and FAQ will be sent to Mark and posted to the site.

NEXT STEPS/ACTION ITEMS

- Completion of the testing and case management protocol
- Continue daily state-local update calls
- Send FAQ to Mark Valacak once it has been approved by MDHHS Communications

Completion of changes to the filter distribution database.

Chris

Beckner, Jessina (MSP)

From: Budde, Brian (MSP)
Sent: Friday, January 08, 2016 9:37 AM
To: Kelly, David (MSP); Bolger, Matt (MSP); Kapp, Gene (MSP); Gasper, Joe (MSP); Kelenske, Chris (MSP); Boucher, Brody (MSP)
Cc: Nevin, Michael (MSP); Kluytman, Julie (MDOS); Ames, Corey (MSP)
Subject: FW: Arrest Snyder Event Today at 4:40 p.m., Flint City Hall UPDATE
Attachments:

Good Morning,

In reviewing The MIOC has prepared the below information for situational awareness and public safety concerns.

Participants of this rally will meet up at Flint City Hall to discuss why arresting the Governor is "the only action that is appropriate." The group plans to move from Flint City Hall to a nearby overpass and display light boards with the message "Flint Arrest Snyder." One individual will be dressed as Snyder in a black/white stripe prison jumpsuit with the number 66247 (see attached photo). The number is significant to them as it is meant to signify Snyder is "the Devil 24/7."

This rally is described as a nonviolent action intended to support the community affected by the tainted water. No guns or weapons are welcome. No drugs or alcohol are welcome. This is to be a family friendly event working toward the health of the community.

At this time there are no known credible threats. Unfortunately, this issue has received a large amount of negative media exposure. Cher has "tweeted" the Governor should be executed over the Flint water issue and filmmaker Michael Moore has started a petition asking the U.S. Attorney General to prosecute and arrest Snyder and called for a thorough FBI investigation over his handling of the Flint water crisis. Rachel Maddow, MSNBC, reported the responsibility for the tragedy falls to Governor Snyder. They have emailed Maddow inviting her to attend the rally. All of this media exposure creates the potential for attendance by groups with divergent views or lone wolf individuals who seek to engage in destruction of property, assault, or other types of crimes which may potentially result in incidents at, or associated with the event.

The MIOC will continue to monitor open source today for any threats and provide updates as any new information or suspicious activity connected to the event is located.

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Friday, January 08, 2016 2:05 PM
To: Kish, Thomas (MSP); Sipes, Stephen (MSP)
Subject: FW: Arrest Snyder Event Today at 4:40 p.m., Flint City Hall UPDATE
Attachments:

FYI

From: Budde, Brian (MSP)
Sent: Friday, January 08, 2016 9:37 AM
To: Kelly, David (MSP); Bolger, Matt (MSP); Kapp, Gene (MSP); Gasper, Joe (MSP); Kelenske, Chris (MSP); Boucher, Brody (MSP)
Cc: Nevin, Michael (MSP); Kluytman, Julie (MSP); Ames, Corey (MSP)
Subject: FW: Arrest Snyder Event Today at 4:40 p.m., Flint City Hall UPDATE

Good Morning,

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Participants of this rally will meet up at Flint City Hall to discuss why arresting the Governor is "the only action that is appropriate." The group plans to move from Flint City Hall to a nearby overpass and display light boards with the message "Flint Arrest Snyder." One individual will be dressed as Snyder in a black/white stripe prison jumpsuit with the number 66247 (see attached photo). The number is significant to them as it is meant to signify Snyder is "the Devil 24/7."

This rally is described as a nonviolent action intended to support the community affected by the tainted water. No guns or weapons are welcome. No drugs or alcohol are welcome. This is to be a family friendly event working toward the health of the community.

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The MIOC will continue to monitor open source today for any threats and provide updates as any new information or suspicious activity connected to the event is located.

Beckner, Jessina (MSP)

From: MSP-EOC-MDSP
Sent: Saturday, January 09, 2016 11:05 AM
To: Kapp, Gene (MSP)
Subject: FW: Coding for City of Flint Water Contamination incident

Captain,

The Index and PCA for this project are below. Please use this for any overtime or travel costs. Any costs incurred on straight time will come out of normal post operations.

Matt

From: Burger, Penelope (MSP)
Sent: Wednesday, January 06, 2016 1:18 PM
To: MSP-EMHSD-Division
Cc: MSP-SEOCOPSC; MSP-seocfgc; MSP-seoclgc
Subject: Coding for City of Flint Water Contamination incident

Good Afternoon:

For any **overtime hours** spent working in the SEOC with the City of Flint Water Contamination/Shortage event, please use the following coding:

Index 28900 with PCA 28670

Any **non-payroll** costs (travel, SEOC meals during activation, etc.) should be coded to:

Index 28900 with PCA 28671.

These codes are not yet active in DCDS but will be by the end of the week. Please let me know if you have any questions.

Thanks,
Penny

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police
Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, January 07, 2016 7:17 AM
To: Sipes, Stephen (MSP); Kish, Thomas (MSP)
Subject: FW: Drinking Water Crisis in Flint, Michigan, Prompts Federal Investigation - NBC News

Gene

From: Etue, Kriste (MSP)
Sent: 1/7/2016 7:09 AM
To: Kelenske, Chris (MSP); Gorski, Gary (MSP); Sands, Thomas (MSP); Kapp, Gene (MSP)
Subject: Drinking Water Crisis in Flint, Michigan, Prompts Federal Investigation - NBC News

FYI.

http://www.nbcnews.com/nightly-news/video/drinking-water-crisis-in-flint--michigan--prompts-federal-investigation-597142595942

Sent from my iPhone

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Wednesday, January 13, 2016 4:46 PM
To: Lee, Nichole (MSP); Sims, Robbin (MSP)
Subject: FW: Flint Water Detail
Attachments: Copy of Copy of Flint Water Detail (2).xlsx

Importance: High

From: Artibee, Sally (MSP)
Sent: Wednesday, January 13, 2016 4:12 PM
To: Sands, Thomas (MSP); Shaw, Jim (MSP); Stolicker, Christopher (MSP); Kolbas, Adam (MSP); Cline, Gloria (MSP); Carter, Jerry (MSP); Keck, Frank R. (MSP); Darling, Michele (MSP); Risner, Tamara (MSP); Moots, James (MSP); Cox, Bradley (MSP); Zarate, Michael (MSP); Gettel, Gina (MSP); Young, Eric (MSP); Smith, Victoria (MSP); Barber, Andrea (MSP); Rodgers, Jeffrey (MSP); Vaughn, Thomas (MSP); Hart, Matthew (MSP); Huovinen, Jeff (MSP); Donahue, Neil (MSP); Roti, Patrick (MSP); Ducker, Kenneth (MSP); Rider, Stefanie (MSP); Aho, Michael (MSP); Buzanowski, Brandon (MSP); Libstaff, Derrick (MSP); Dawson, William (MSP); Hop, Travis (MSP); Viverette, Ed (MSP)
Cc: Boyd, Patrick (MSP); Brown, Michael (MSP); Caldwell, Mike A. (MSP); Card, John (MSP); Dirlam, Thomas (MSP); Hahn, Mike (MSP); Halpin, John E. (MSP); Henke, Cameron (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP); McGaffigan, Kevin (MSP); Menna, Philip (MSP); O'Neill, Stephen (MSP); Roesler, David W. (MSP); Sailer, George P. (MSP); Sipes, Stephen (MSP); Wolf, James (MSP); Yesh, Monica (MSP)
Subject: Flint Water Detail
Importance: *High*

Attached is a list containing the names of those approved to participate in the Flint Water detail. In order to minimize travel time, location of the volunteers was considered.

Attire: Appropriate attire for the weather conditions. Jeans are allowable. MSP uniforms including fatigue uniforms are prohibited. Military Surplus attire or attire that could be mistaken as that of the National Guard shall not be worn.

All individuals assigned to work as the Water Response Team in Flint shall report to the Genesee County EOC by 9 am on Thursday and/or Friday.

Location:
Genesee County Administration Building
1101 Beach St
Flint, MI 48502
In the basement or level "G" if someone used the elevator
Parking is available at Trinity Church, on the corner of Beach and Eighth. It is two blocks southeast of the Admin Building.

Lunch will be served at the EOC, Genesee County Admin. Building.

Each enforcement member should bring their assigned radio.

Contact: Insp. Scott Marier 517-373-7761

Sally Artibee, Senior Executive Management Assistant

to Lt. Col. W. Thomas Sands, Deputy Director
Michigan State Police
333 S. Grand Avenue
P.O. Box 30634
Lansing, MI 48909-0634
artibees@michigan.gov
Telephone: 517-241-0235

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Flint Water Detail

Thursday January 14 *email* *Friday, January 15* *email*

FSB

LTC Sands-FSB HQ	sandst@michigan.gov	Tpr. Matt Hart (Marshall Post)	hartm@michigan.gov
Insp. Jim Shaw-FSB HQ	shawj@michigan.gov	Tpr. Jeff Huovinen (Mt. Pleasant)	huovinenj@michigan.gov
Capt. Chris Stolicker-SID	stolickerc@michigan.gov	D/Tpr. Victoria Smith (Second Dist)	smithv14@michigan.gov
D/Lt. Adam Kolbas-Second Dist	kolbasa@michigan.gov	D/Sgt. Neil Donahue (Second Dist)	donahuen@michigan.gov
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D/Tpr. Eric Young-Second Dist	younge4@michigan.gov		
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Tpr. Tom Vaughn-Second Dist.	vaughnt@michigan.gov		

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Lt. Charles Black, CVED	blackC@michigan.gov	Inv. Natalie Johnson, CVED	johnsonN12@michigan.gov
Simone Wilson, CVED	wilsonS1@michigan.gov	Sgt. Kevin Hogan, CVED	hogank@michigan.gov
Ofcr. Douglas Dawdy, CVED	dawdyD1@michigan.gov	Insp. Pat Morris-CVED	morrisp6@michigan.gov
Ofcr. Edward Bohner, CVED	bohnerE@michigan.gov	Julie Kluytman, IOD	kluytmanj@michigan.gov
		Ofcr. Brian Kirk, CVED	kirkB@michigan.gov

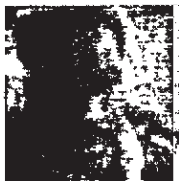
Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Wednesday, February 03, 2016 8:43 AM
To: Kish, Thomas (MSP); Dehner, Amy (MSP); Young, Patrick (MSP); Furnish, Nicole (MSP)
Cc: Sipes, Stephen (MSP)
Subject: FW: Governor Rick Snyder in Flint today

As an FYI

From: Taylor, Suzan (MSP)
Sent: Wednesday, February 03, 2016 7:51 AM
Subject: Governor Rick Snyder in Flint today

ɔ. I'm wondering if the information is accurate?



Quincy Murphy
1 hr ·

Governor Rick Snyder will be in Flint today at 10:00 a.m. located at fire station #1 on fifth st next to the police station with the concern pastors to announce forgiveness of citizens paying there water bills.

Quincy Murphy has appeared before the Board of Canvassers with petitions to recall Governor Snyder. During his first appearance last week the language was rejected. Murphy plans to appear again at the meeting February 8, 2016, with new recall petition language. In the meantime, Murphy has suffered two incidents where an older white male has shot at his home twice in one day. He did report these incidents to the police.

I don't view Murphy as a threat but he may be a target. I do expect Murphy to attend the 10 a.m. announcement.

This information is being shared with you for situational awareness. If you have any questions please don't hesitate to contact me.

Beckner, Jessina (MSP)

From: Roach, Billie Jo (MSP)
Sent: Monday, October 05, 2015 4:36 PM
To: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP); Kish, Thomas (MSP); Pennell, Ryan (MSP)
Subject: FW: Flint Water
Attachments: FLINT WATER MEETING CTOBER 5 2015.pdf

Hello All, just wanted to keep you in the loop. Will advise as I learn more. Thanks, BJ

Subject: Flint Water

Hello, I attended meetings today at Genesee Co DHHS and Genesee Co Untied Way ref the continuing problem with Flint's water. The first meeting consisted of DHHS, GCCARD, Dept. of Human Services, Genesee CO Health Dept., Commission on Aging, EM Jen Boyer, and a few other county depts. The distribution of filters was the main topic of conversation. I learned that so far 20,000 Britta filters were purchased from Home Depot with the million dollars the state provided. The filters are in Flint and will be housed at the GCCARD warehouse awaiting distribution. Genesee Co Public Health Dept is taking the lead on public messaging/press releases. Overall, a fairly productive meeting. Everyone from this meeting headed over to the next meeting at the United Way in Flint. Reps from the United Way ran the meeting which also included reps from the school district, public housing, and one rep, Sean Kammer, Asst to the City Administrator at the City of Flint. Unfortunately, Sean left early and requested he be emailed the information. Once again, a fairly productive meeting with distribution being the main topic of conversation, the use of volunteer groups to help install filters for elderly clients, school distribution, and public education/messaging. Much was worked out for distribution with it starting with priority groups. Attached is a summary of the meeting. Today, 1800 filters were being distributed to Flint Public Housing incl Section 8 housing with the agreement their building maintenance will install the filters for those who can not. Other priority groups should start in the morning. It was also requested the UPC codes be blacked out so returns could not be made to Home Depot. Zero Water is providing filtered cups for after school activities and athletes. All classrooms will get filtering units with a 24 cup capacity. There are talks of filters for all drinking fountains. For those who can not attach a regular filter to their faucet, ZeroWater filtered pitchers are going to be supplied. United Way ordered some today and may be in this week. Under sink filters will not be purchased due to cost and potential installment issues. Britta pitchers do not meet lead standards so they will not be used.

Jen Boyer has reached out to volunteer groups (CERT, VDF) for help with installments of filters for elderly or special needs people. There are also talks by the City fo Flint water dept. of connecting outdoor spickets so people can go fill jugs for free. This may be decided by the end of the week. This water is good being it isn't going through any distribution pipes. There were talks of paying UAW plumbers ,etc to help with installs but I voiced my concerns ref that so hopefully that does not happen. Talks of military trucks (Camels) were brought up for water distribution for possibly the next week while the city works on getting their outdoor spickets figured out but I believe that has to be authorized by the Governor.

Genesee Co Public Health Dept is taking the PIO lead with help from the PIO from the United Way, Tom Wickersham. Tom is a PIO for Gm and volunteers for the United Way. 211 will be used as well as some websites to advise of distribution points and as well as education. Right now 4 points will be used :2 DHHS offices, and 2 GCCARD locations. The Genesee County Community Action Resource Department **(GCCARD)** is an organization of individuals whose overall goal is to eliminate barriers and level the playing field for the poor, seniors, children and the hard to serve population of Flint and Genesee County. These opportunities may include pre-school training through our Head Start department for the young; receiving additional and/or job training in order to find a permanent job; seeking and finding

of adequate housing if displaced; receiving of nutritional meals delivered on a daily basis, or receiving home improvement repairs when necessary.

Lt. BJ Roach
Third District Coordinator
Michigan State Police-Emergency Management and Homeland Security Division
6296 Dixie Hwy.
P.O. Box 608
Bridgeport, MI 48722
Ofc: 989-777-0650

Fax: 989-777-3571

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Water Filter Distribution

Funding Availability
$100,000 - CS Mott Foundation
$225,000 - private funding and grant requests to UWGC
$1,000,000 - from DHHS for filter purchase
$250,000 - from Community Foundation (not public yet)

Filters

- 1,500 were distributed through Concerned Pastors - Harvey has list
- 4,000 given to Health Department will be distributing to special populations, started Saturday. There are 1,000 left. Working with Hurley to distribute through Healthy Start programs. IT will be taking spreadsheet to see who has already received this.
- Do not get Brita pitchers - they are not lead compliant
- 2,500 pitchers will be purchased by UWGC today

Public Housing is automatically going to get filters dropped today. Call Frank Woods to ask questions.

- Howard - 96 units
- Aldridge - 93 units
- River Park - 188 units
- Atherton - 192 units
- Scattered Sites - 68 units
- Garland - 40 units
- Forrest Park - 19 units
- Richert Manor - 132 units
- KMS - 159 units
- Centerview - 90 units
- Mince - 110 units

20,000 units through DHHS - housed at GCCARD

- Can be given to all residents
- 1,800 will be sent to Housing commission (section 8) today
- Veterans - there is a community department for veterans, these filters would secure through GCCARD.
- Health Dept needs some for their WIC department and wellness clinic and kidney dialysis centers. DHHS will supply filters to health dept to fill this need.
- Senior Citizens - Meals on Wheels - 653 households, will be distributed through GCCARD filters
- Family Service agency - 800 seniors are helped through this program, GCCARD will reach out and make sure there is not a duplication with Meals on Wheels. This group of residents a special plan will be put together for install through seniors homes.

- Senior Resident Communities - can we give filters to these housing facilities and can their maintenance person install. Health Dept will get those contacts to GCCARD.
- 20,000 vouchers will be distributed through case workers - vouchers will be received at DHHS today.
- DHHS clients will be able to receive their filters from either office as early as tomorrow. GCCARD will be available in those lobbies as well for non clients.
- Home Depot can deliver for FREE water filters to site

5,000 donated to UWGC from Zero Filter for after school and UWGC is purchasing one picture for every classroom at cost from Zero Filter to Flint Community Schools - we are also looking at purchasing one filter for every faucet, those filters are $250 each. UWGC will order today and they should be delivered by Wednesday.

City of Flint Water Dept - we have asked city to allow residents to come to the City of Flint Water plant and fill jugs of water. City of Flint plans to have a plan put together by week end.

UWGC has requested the state to appoint a full time emergency person to convene these meetings.

October 3, 2015 Distribution
Lead Agency - Genesee County Health Department
Distribution Site - University of Michigan-Flint Recreation Center
Requirements

- Live within zip codes 48501-48507
- Currently pregnant, breastfeeding or formula feeding an infant
- Have a child between the ages of 0-5

One filter will be given per household
Filter name and model being given - Pur Ult Vert Mount Water Filter System
Quantity of filters being given - 4,000
Contact - Tamara Brickey

2-1-1 will be phone number for residents to call
Site can be setup within 24 hours.
Distributions Points
Information that can be shared to public
Eligibility for filters - open distribution within zip codes
Questions - health specific (ex. can my child take a bath, how do I install filter, filter type or intake type, (filters will be faucet and pitchers only)

Central Website -

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Wednesday, January 13, 2016 9:26 PM
To: Kish, Thomas (MSP); Sipes, Stephen (MSP)
Subject: FW: MSP Resource Request - Flint Water Response Teams

Tom Steve

FYI

Gene

From: Kelenske, Chris (MSP)
Sent: 1/13/2016 9:10 PM
To: Sands, Thomas (MSP)
Cc: Kapp, Gene (MSP)
Subject: RE: MSP Resource Request - Flint Water Response Teams

I discussed with Matt Bolger and Mike Johnson and we are on the same page. The only thing that all need to be aware of is I anticipate ramping up the teams significantly as logistics can support. We will likely need to add a layer between the MSP WRT Commander and field commanders – that would probably be an ARC lead, A State Agency lead, Other volunteer lead, and a County lead so the WRT commander has good span of control. I am thinking we could get to the point where we have teams (best case scenario).

The WRT commander can figure that out but I am good with this - MSP needs to coordinate all the teams sir.

Chris

From: Sands, Thomas (MSP)
Sent: Wednesday, January 13, 2016 8:21 PM
To: Kelenske, Chris (MSP)
Cc: Kapp, Gene (MSP)
Subject: Fwd: MSP Resource Request - Flint Water Response Teams

Chris,

I just want to make sure you are in the loop and support transferring these duties to FSB. I will approve with your support.

Thanks.

Tom

Sent from my iPad

Begin forwarded message:

> **From:** MSP-EOC-MDSP <MSP-EOC-MDSP@michigan.gov>
> **Date:** January 13, 2016 at 7:56:20 PM EST
> **To:** "Kapp, Gene (MSP)" <KappG@michigan.gov>

Cc: "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Kelly, David (MSP)" <KellyD@michigan.gov>, "Bolger, Matt (MSP)" <BolgerM@michigan.gov>, "Shaw, Jim (MSP)" <ShawJ@michigan.gov>, "Sands, Thomas (MSP)" <SandsT@michigan.gov>
Subject: MSP Resource Request - Flint Water Response Teams

Capt. Kapp,

Per our discussion, the SEOC has requested MSP FSB coordinate and manage the Flint Water Response Teams for the City of Flint-Water Contamination / Shortage incident. The POC at the EOC is Ms. Michelle Kuzera, she will be able to assist with any questions or concerns. MSP FSB will be responsible for the following:

- Establish a Water Response Team Commander for all team operations.
- Coordinate and manage Water Response Team structure.
- Coordinate and manage Water Response Team resources.
- Coordinate walking routes with concentration in the most hazardous lead level areas.
- Coordinate logistics for Water Response Teams.
- Coordinate iPad distribution and tracking.
- Coordinate and integrate with state, county, and local personnel as well as volunteers assigned to work on Water Response Teams.
- Coordinate and manage team security with MSP and County personnel.
- Determine hours of operation based on assessment of area, hours of daylight, and any other safety information pertinent to operations.
- Coordinate with Sheriff's department resources.
- Staff each team with the appropriate number of MSP enlisted personnel for security purposes.
- Provide a daily report of all activities to include best practices and issues or concerns.
- Attend the 9:30 am and 4:30 pm SEOC briefings via conference call as well as any other conference calls necessary to complete the above mission.

In addition to the above Water Response Team objectives MSP FSB is still responsible for all previously assigned tasks and functions.

Please feel free to contact me if you have any questions regarding this assignment. Please forward the contact information of the commander you have identified for this mission as well as a schedule for staffing this position once it has been assigned and established.

Insp. Matt Bolger

F/Lt. Mike Johnson

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 19, 2016 3:27 PM
To: Kapp, Gene (MSP)
Subject: FW: NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday

BAM!

From: gongwerreports@gongwer.com [mailto:gongwerreports@gongwer.com]
Sent: Tuesday, January 19, 2016 3:18 PM
To: Michigan_State_Employees_updates@gongwer.com
Subject: NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday

Tuesday, January 19, 2016, 03:17 PM

$28M Flint Supplemental Expected In House Approps Wednesday

A $28 million supplemental to fund various Flint needs as it continues to work through its ongoing water crisis is expected to be taken up in the House Appropriations Committee on Wednesday.

Budget Director John Roberts formally submitted today the requested supplemental to the chairs of the House and Senate Appropriations committees.

The supplemental would provide funding for various initiatives, according to information obtained by Gongwer News Service. In total, the supplemental is $28.03 million with $22.63 million from the General Fund.

It would provide:

- $935,000 in General Fund dollars for hiring nine additional school nurses and two Early On service coordinators, a psychologist and a health professional to coordinate the provision of wrap around services. The funds would also provide fresh fruit and vegetables to the Genesee Intermediate School District;
- $5.79 million from the General Fund for an infrastructure integrity study to assess the status of the Flint water system and additional lab and testing costs in the Department of Environmental Quality. The funds would also assist the city in paying for corrosion control procedures for one year and potentially help with utility issues and water system needs;
- $17.2 million ($2.85 million in federal, $2.55 million in state restricted revenues and $11.8 million in General Fund revenues) to help with purchasing of bottled water, water filters and replacement cartridges; Department of Health and Human Services field operations costs; epidemiological analysts and case management of those with elevated lead blood levels; nutrition support; support for child and adolescent health centers; assessment of potential links to other diseases; food inspections and crisis counseling;

- $2 million in General Fund for emergency efforts related to the water system, specifically purchasing and replacing plumbing fixtures in schools, child care and adult foster care centers, nursing homes, dialysis centers and surgery centers in the city;
- $2 million in General Fund dollars to address immediate needs, including paying for the National Guard's role in providing support for three months; and
- $100,000 in General Fund dollars for the Flint Water Interagency Coordinating Committee.

It was also indicated this would be the first of multiple supplemental appropriations to address the ongoing crisis in Flint.

Gongwer News Service will have more on this story in Tuesday's Michigan Report.

Please send all correspondence to gongwer@gongwer.com This mailbox is not regularly monitored.

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Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Monday, July 14, 2014 2:57 PM
To: Sands, Thomas (MSP)
Subject: FW: Protest in Flint

Sir as an FYI

We will not be present during this protest but will be available to respond if it becomes necessary.

Gene

From: Kanicki, Bonnie (MSP)
Sent: Monday, July 14, 2014 2:54 PM
To: Kapp, Gene (MSP); Sipes, Stephen (MSP); Operations, Lts, Lieutenants (MSP)
Cc: Teddy, Jason (MSP); Simon, David (MSP); Mathews, Melvin (MSP); Kish, Thomas (MSP); Krugielki, Mitchell (MSP); Pennell, Ryan (MSP); Deasy, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Carter, Jerry (MSP); Kaiser, David (MSP); Rampy, David (MSP); Richard, Patrick (MSP); Rice, Matthew (MSP); Jenkins, Marvin (MSP); Cole, Brian (MSP); Banner, Shanon (MSP); Bolger, Matt (MSP); Caldwell, Mike A. (MSP); Kelenske, Chris (MSP); Ellis, James (MSP); Bowman, Kyle (MSP); Kluytman, Julie (MSP); Kanicki, Bonnie (MSP)
Subject: Protest in Flint

Capt. Kapp: in anticipation of the planned protest at City Hall in Flint today at 4:00pm coordinated by a city councilman originally scheduled to protest high water bills and now including our pursuit/crash incident, please be advised between 3:00pm – 6:00pm we have available from the Flint Post:

3:00pm – 4:00pm:
4:00pm – 6:00pm:

The Tri-City post is available for support, if need be:

Days/till 4:00pm:
2:00pm -12:00am:

In the event the 4:00pm Vassar protest is conducted without incident, the West Branch and Lapeer Posts ı cars can be diverted to assist MSP Flint, if necessary, as well.

Lt. Mardella Horhn, MSP Ops, advised she will request information from the MIOC if available via F/Lt. Jim Ellis, acting MIOC commander.

Insp. Bonnie Kanicki
Assistant District Commander
Third District Headquarters
Michigan State Police
4495 Corunna Road
Flint, Michigan 48532
(810) 733-9380

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Monday, July 14, 2014 4:04 PM
To: Sands, Thomas (MSP)
Subject: FW: Protest in Flint

FYI

Pat Young took a peek around the building and advises he counts 37 protestors and a cameraman. All appears to be calm.

From: Kanicki, Bonnie (MSP)
Sent: Monday, July 14, 2014 2:54 PM
To: Kapp, Gene (MSP); Sipes, Stephen (MSP); Operations, Lts, Lieutenants (MSP)
Cc: Teddy, Jason (MSP); Simon, David (MSP); Mathews, Melvin (MSP); Kish, Thomas (MSP); Krugielki, Mitchell (MSP); Pennell, Ryan (MSP); Deasy, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Carter, Jerry (MSP); Kaiser, David (MSP); Rampy, David (MSP); Richard, Patrick (MSP); Rice, Matthew (MSP); Jenkins, Marvin (MSP); Cole, Brian (MSP); Banner, Shanon (MSP); Bolger, Matt (MSP); Caldwell, Mike A. (MSP); Kelenske, Chris (MSP); Ellis, James (MSP); Bowman, Kyle (MSP); Kluytman, Julie (MSP); Kanicki, Bonnie (MSP)
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Lt. Mardella Horhn, MSP Ops, advised she will request information from the MIOC if available via F/Lt. Jim Ellis, acting MIOC commander.

Insp. Bonnie Kanicki
Assistant District Commander
Third District Headquarters
Michigan State Police
4495 Corunna Road
Flint, Michigan 48532
(810) 733-9380

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, February 04, 2016 3:10 PM
To: Sipes, Stephen (MSP)
Subject: FW: Publicly posted email - FLINT WATER
Attachments: Wurfel-to-Hollins-Email-Legionnaires_Published_2-4-2016.pdf

All:

For your situational awareness. An email has been posted publically purporting to show that Harvey Hollins, a principal advisor to Governor Snyder, was aware of an uptick in Legionnaires disease in Genesee County and that a county health official was attributing the cases directly to the Flint River as the source of drinking water in Flint.

http://www.progressmichigan.org/2016/02/38933/

Thelen, Mary Beth (DEQ)

From:	Wurfel, Brad (DEQ)
Sent:	Friday, March 13, 2015 6:49 PM
To:	Hollins, Harvey (GOV)
Cc:	Wyant, Dan (DEQ)
Subject:	Part II
Attachments:	FOIA Request Flint Water.doc
Importance:	High

OK D-

This is the second issue I mentioned earlier today.
In December, our staff became peripherally aware that the hospitals in Genesee were seeing an uptick in Legionnaires cases.

Legionnaires is a water-borne illness. It essentially is a type of pneumonia caused by a bacteria. It is treated with antibiotics. Untreated, it can be deadly. It most often manifests in nursing homes and assisted living facilities, because the transmission is through water vapor getting into lungs – via air conditioners, vaporizers or low-flow shower heads that produce a lot of misting. You can drink water with this bacteria in it and not get sick – it has to enter the lungs in vapor.

I don't have any details on the cases, but here is what I understand to this point:

- More than 40 cases reported since last April. That's a significant uptick – more than all the cases in the last five years or more combined.
- April / May is usually the start of Legionnaires season – it proliferates in warmer months – but April also is the point at which the city switched to the Flint River as a source.
- County Health Departments are supposed to perform epidemiological tracebacks on all confirmed cases of this disease, to locate the source and address it. Genesee County Health had not done this work as of November. At a January meeting with area hospitals, MDCH, DEQ and others, Nick Lyon reportedly directed the county health folks, in terms not uncertain, to get this done as a priority. As I'm sitting here today, it still is not done to my knowledge.
- My counterparts at MDCH informed me today that they cannot step in unless they are invited or unless the outbreak is multi-county. They've not been invited until, I believe, today. That may be in part because of the email string and letter I've enclosed here, which was unknown to MDCH until I shared it over to them.

The email thread below is best read bottom-to-top, and read prior to reading the enclosed FOIA to the city.

Essentially, Jim Henry with Genesee County Health is putting up the flare. He's made the leap formally in his email that the uptick in cases is directly attributable to the river as a drinking water source – this is beyond irresponsible, given that is his department that has failed to do the necessary traceback work to provide any conclusive evidence of where the outbreak is sourced, and it also flies in the face of the very thing a drinking water system is designed to do.

DEQ did not receive this FOIA, which appears designed to buttress his position in the email -- that sections of the water delivery system may be harboring this bacteria. We think it would be highly unlikely that anything would be found around the plant, where the water is treated. Most often, this bacteria forms at the building / residential point in the system. Legionnaires is NOT among the 90 water contaminants screened in the Safe Drinking Water Act, but in the absence of action by county health, our staff are now considering taking samples from various points in the system and working with DCH's lab to test for it, if for no other reason than to rule it out.

Regardless, the accusation is serious and the nature of the communication leaves me thinking we would be advantaged to bring together all the agencies asap to share what information we have and develop a response / screening strategy before the weather gets warm again.

I realize these are long emails. Thanks for your patience.
b

Brad Wurfel
Communications Director
Michigan Department of Environmental Quality
517-284-6713

From: Shekter Smith, Liane (DEQ)
Sent: Thursday, March 12, 2015 8:41 AM
To: Wurfel, Brad (DEQ); Sygo, Jim (DEQ); Howes, Sarah (DEQ)
Cc: Shaler, Karen (DEQ); Benzie, Richard (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ)
Subject: FW: Information Request and Documentation
Importance: High

The district received this late Tuesday.

Steve Busch has indicated that the district has not received a meeting request from Jim Henry or the Genesee County Health Department as indicated in his email below.

The FOIA is specifically directed to the City of Flint not the DEQ.

While the change in source may have created water quality conditions that could provide additional organic nutrient source to support legionella growth, there is no evidence or confirmation of legionella coming directly from the Water Treatment Plant or in the community water supply distribution system at this time.

Seems like the next step is to communicate with DCH and possibly develop a joint strategy/response. Not sure who in Exec wants to take the lead on this. Steve Busch and Mike Prysby will continue to be lead for us on this. They have been in contact with DCH recently but only to learn that little progress has been made in identifying a source or sources for the illnesses.

EMAIL FROM DEQ TO HENRY SENT THIS AFTERNOON:

Mr. Henry,

The January 27, 2015, FOIA request you provided was directed to the City of Flint, not the DEQ. The DEQ has no record of a FOIA request from your office for such information. It is our understanding that the City has responded to your FOIA request, has helped you adequately redefine your request within the City's scope of public record to address such ambiguities as "any additional areas of concern", and provided you with additional information beyond the scope of your request.

The DEQ fully recognizes the public health threat posed to individuals that contract Legionnaires' Disease with the understanding that the disease is not contracted by ingestion of potable water and therefore not regulated under the federal Safe Drinking Water Act. Your email below claims that you have explicitly explained the situation to our Department. However, since contacting our office early last October to indicate a rise in cases, we have not received any further information regarding your epidemiological investigation into this matter.

Further, conclusions that legionella is coming from the public water system without the presentation of any substantiating evidence from your epidemiologic investigation appears premature and prejudice toward that end.

It is highly unlikely that legionella would be present in treated water coming from the City of Flint water treatment plant given the treatment plant's use of ozone along with complete treatment and chlorine disinfect contact time to comply with federal surface water treatment rules for potable water. Detections of total coliform or heterotrophic bacteria in the City's public water distribution system indicate an environment where bacterial growth may be supported. However, there is no direct correlation that can be made to the presence of legionella. While total organic carbon levels in potable water may serve as a food source for bacteria growth in private plumbing system, water temperatures in the City's distribution system are below legionella growth range, and chlorine residual levels would also limit such growth.

Our office agrees that water main breaks, water leaks, and system repairs are possible vectors for legionella to enter the public water system. These should be investigated as part of your epidemiology. DEQ staff can be made available to assist GCHD and the City regarding such matters, but to date no request by GCHD for any such meeting has been received, let alone declined as alleged in your email.

If GCHD is seeking assistance to complete its epidemiological investigation regarding this matter, such resource requests should be directed to the Michigan Department of Community Health. Our Office agrees that a multi-agency partnership would be beneficial to move forward and develop a unified response. In that respect, if our Office can be of any further assistance you may contact me directly.

Stephen Busch, P.E.
Lansing and Jackson District Supervisor
Office of Drinking Water and Municipal Assistance
MDEQ
517-643-2314

From: "Henry, James" <jhenry@gchd.us>
Date: March 10, 2015 at 6:40:17 PM EDT
To: Howard Croft <hcroft@cityofflint.com>, "Mike Prysby (DEQ)" <prysbym@michigan.gov>, Elizabeth Murphy <emurphy@cityofflint.com>, "Natasha Henderson" <nhenderson@cityofflint.com>, Jerry Ambrose <gambrose49@gmail.com>, Dayne Walling <dwalling@cityofflint.com>
Cc: "Valacak, Mark" <MVALACAK@gchd.us>, "Cupal, Suzanne" <scupal@gchd.us>, "Hasan, Shurooq" <shasan@gchd.us>, "Childs, Bonnie" <BCHILDS@gchd.us>, "Hallwood, Dawn" <dhallwood@gchd.us>, "Johnson, M.D., Gary" <GJOHNSON@gchd.us>
Subject: Information Request and Documentation

Hello everyone,

The Genesee County Health Department has made several written and verbal requests for specific information since October, 2014, including a Freedom of Information Act Request on January 27, 2015. The information still has not been received and the city's lack of cooperation continues to prevent my office from performing our responsibilities.

The Genesee County Health Department has the responsibility to conduct illness investigations and consider all potential sources, this is not optional. In 2014, Genesee County experienced a significant increase of confirmed Legionella illnesses relative to previous years. Legionella can be a deadly, waterborne disease that typically affects the respiratory system.

The increase of the illnesses closely corresponds with the timeframe of the switch to Flint River water. The majority of the cases reside or have an association with the city. Also, McLaren Hospital identified and mitigated Legionella in their water system. This is rather glaring information and it needs to be looked into now, prior to the warmer summer months when Legionella is at its peak and we are potentially faced with a crisis.

This situation has been explicitly explained to MDEQ and many of the city's officials. I want to make sure, in writing that there are no misunderstandings regarding this significant and urgent public health issue. The Trihalomethane issues "pale in comparison" to the potential public health risks of Legionella.

I am submitting the attached FOIA request again and requesting that the legal obligations of the request are met. If the information is not available, please let me know. In the past, I have requested to meet with the water plant staff and MDEQ regarding Legionella concerns. I did not receive a response from the water plant staff and MDEQ declined. I think it is in the best interest for all stakeholders that we meet and discuss the issues.

Respectfully,

Jim

Jim Henry
Jim Henry RS, MBA
Environmental Health Supervisor
Genesee County Health Department www.gchd.us
630 S. Saginaw St., Suite 4
Flint, MI 48502-1540
Phone (810) 257-3618 Fax (810) 257-3125
E-mail jhenry@gchd.us

Genesee County Health Department

Mark Valacak, M.P.H., Health Officer
Gary K. Johnson, M.D., M.P.H., Medical Director

January 27, 2015

FOIA Coordinator, City of Flint
1101 S. Saginaw Street, 3rd floor
Flint, MI 48502

RE: Flint Water Plant Information Request

Dear FOIA Coordinator,

Under provisions of the Michigan Freedom of Information Act (MCLA 15.231 et seq; MSA 4.1801 (1) et seq) please provide copies of the following:

Provide specific water testing locations and laboratory results within the City of Flint public water system for Coliform, E-coli, Heterotrophic Bacteria and Trihalomethanes from January 1, 2010 to January 27, 2015. Provide any additional water testing that has been conducted for identifying potential public health risks. Include any available mapping of the water testing areas.

Provide a map delineating the boundaries of the City of Flint water distribution system. Include any changes to the boundaries, along with corresponding dates from January 1, 2014 to January 27, 2015.

Provide a map or list of locations, detailing dead ends, pooling, low pressure and any additional areas of concern within the City of Flint water distribution system. Include any modifications to the water distribution system addressing concerns, along with corresponding dates from January 1, 2014 to January 27, 2015.

If you determine that any of the requested information is exempt from disclosure, please detail what is being withheld and cite the exemption under FOIA. I anticipate the request being filled within five working days of receipt of this letter, as provided under FOIA. Please contact me at (810) 257-3618 if there are fees associated to comply with this request.

Sincerely,

Jim Henry

Jim Henry
Environmental Health Supervisor
Genesee County Health Department
630 S. Saginaw Street
Flint, MI 48502

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, January 14, 2016 9:13 AM
To: Kish, Thomas (MSP)
Cc: Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP); Pennell, Ryan (MSP); Dehner, Amy (MSP)
Subject: FW: Rally Today at Capitol - Flint Water Crisis

Tom

Please review the following as an awareness.

From: Budde, Brian (MSP)
Sent: Thursday, January 14, 2016 9:01 AM

Subject: Fwd: Rally Today at Capitol - Flint Water Crisis

Subject: Rally Today at Capitol - Flint Water Crisis

This morning the organizer indicated he has a head count of about 150 people coming from Flint, there are two groups caravanning to the Capitol. One group leaving around 9:30 and another around 10:00. He did not indicate how many, if any were coming from Detroit, Benton Harbor, Ecorse, or Allen Park. They do mention that "other brethren from across the state are meeting us!"

. It appears this group wants to have a peaceful protest to express their opinions on the water crisis in Flint.

An another note, as I mentioned yesterday '

Also there is plenty of negative response to the Governor's comment yesterday at the Auto Show: ""Why the delay in calling FEMA?" for help with the Flint water crisis was the first question for Snyder before he began his journey around the auto show floor. "I'm here at the auto show today," he replied. "It's great to be at the North American International Auto Show. What a great way to showcase Detroit and Michigan." People are posting photographs of an envelope with Attorney Jeffrey Feiger's address as their response.

I will continue to monitor open source for any threats or suspicious postings. So far I haven't seen any evidence of counter protestors or any groups with a counter-view.

Thanks,

RETAIN THIS IMAGE
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Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Saturday, October 03, 2015 5:15 PM
To: Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
Subject: FW: U of M Flint Campus Detail Update - Water Filter Distribution

1,000 filters left over. I wonder how many of the picked up filters will be sold on ebay, Craigslist and pawned?
Sent from my Windows Phone

From: Pennell, Ryan (MSP)
Sent: 10/3/2015 5:06 PM
To: Kish, Thomas (MSP); Operations, Lts, Lieutenants (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP); Young, Patrick (MSP); Pummill, Paul (MSP)
Subject: Fwd: U of M Flint Campus Detail Update - Water Filter Distribution

5pm Update:

* This will be the final update as U of M Chief Hall has cleared all MSP Units from the detail.
* The organizers have approximately 100 people left in line and will finish the line before closing.
* There will be approximately 1,000 filters remaining.
* There are no protestors at the scene.
* No reported issues or concerns.
* Again, all MSP units are clear the scene and enroute back to their respective posts.

4pm Update:

* 2,100 filters remain.
* Approximately 80 people in line to receive a filter.
* No protestors at the scene.
* No reported issues or concerns.
* Organizers are stating they will shut down at 5pm as planned.

3pm Update:

* Activity has increased slightly. There are 200 people in line to receive a filter
* There are 3,000 filters remaining.
* No protestors at the scene.
* No reported issues or concerns.

1pm Update:

* 600 filters have been handed out.
* No protestors at the scene.

* No reported issues or concerns.
* Approximately 20 people in line to receive a filter.
* Next update will be at 3pm unless there is a significant change or operational need to report sooner.

Noon Update:
* Restrictions on the order in which filters are being handed out have been lifted. Anyone living in a zip code that is affected, and showing proof, will be given a filter as they arrive.
* No protestors at the scene.
* No reported issues or concerns.
* Approximately 20 people in line to receive a filter.

11am Update:
* No protestors at the scene.
* No reported issues or concerns.
* 30 people in line to receive filters.

10am Update:
* Doors are open for filter distribution with everything running smoothly.
* No protestors at the scene.
* Approximately 200 people in line.
* No reported issues or concerns.
* Media is on scene; Channels 12 and 5

The water filter distribution to affected city of Flint residents is expected to start at 10am this morning on the University of Michigan, Flint Campus. No additional filters arrived throughout the night and there are only approximately 5000 filters to hand out.

9am:

* MSP personnel are on scene to assist and currently in a briefing with U of M Chief Ray Hall

* There are no protesters on scene.

* There are 5 people in line to receive a filter.

* There are no reported issues or concerns.

Thank you,

Ryan

Lt. Ryan Pennell
Assistant Post Commander
Michigan State Police
Flint Post #35
G-4481 Corunna Road
Flint, MI 48532
Office: (810) 732-1111
Fax: (810) 732-5306

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY"

Sent from my iPad

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 12, 2016 9:32 PM
To: Kapp, Gene (MSP)
Subject: Fwd: MSP Water Distribution Operation - AAR

Sent from my iPad

Begin forwarded message:

> **From:** "Kish, Thomas (MSP)" <KishT@michigan.gov>
> **Date:** January 12, 2016 at 9:09:45 PM EST
> **To:** "Sipes, Stephen (MSP)" <SipesS@michigan.gov>
> **Subject: Re: MSP Water Distribution Operation - AAR**
>
> Excellent catch boss. I couldn't agree more.
>
> On Jan 12, 2016, at 8:37 PM, "Sipes, Stephen (MSP)" <SipesS@michigan.gov> wrote:
>
> > Yes, I'm concerned about draining the commanders at the Flint Post (Tom, Paul and Amy) to staff the EOC. We still have a major policing operation that's a priority- and our commanders are neck deep in this. Can EMHSD provide staffing for the ops center?
> >
> > Sent from my iPad
> >
> > On Jan 12, 2016, at 7:07 PM, "Kapp, Gene (MSP)" <KappG@michigan.gov> wrote:
> >
> > > Please advise if you have any requests from the SEOC. I have a 9am call tomorrow about funding for the possible duration.
> > >
> > > Gene
> > >
> > > ---
> > >
> > > **From:** Kish, Thomas (MSP)
> > > **Sent:** 1/12/2016 5:30 PM
> > > **To:** Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP)
> > > **Subject:** FW: MSP Water Distribution Operation - AAR
> > >
> > > Updates..
> > >
> > > ---
> > >
> > > **From:** Dehner, Amy (MSP)
> > > **Sent:** Tuesday, January 12, 2016 5:27 PM
> > > **To:** MSP-EOC-MDSP
> > > **Cc:** Pummill, Paul (MSP); Kish, Thomas (MSP); Sparks, Keith (MSP); Young, Patrick (MSP)
> > > **Subject:** MSP Water Distribution Operation - AAR

I'm sure after action reports are probably being done within the SEOC, but for what it is worth, a quick snapshot of today's day one operations may be beneficial for the higher planning to put more boots on the ground in Flint in the coming days, so here it goes:

Mission:
-' teams (40 DHHS employees), supported by marked MSP, and marked Sheriff units, and (2) 24' UHaul trucks, conducted water nater delivery operations within the 43rd precinct, beginning at apx 1030 HRS, and ending at 1700 HRS today. The target for today was 150 houses, however final data was not available at the time of publish.

Recommend to Sustain on 1-13-16:
-- Continued use of UHaul type trucks. They are low to the ground, easy to load and more important, to off-load. Easily maneuvered on city streets, especially given poor road conditions, and parked/disabled vehicles on city side streets. DTMB trucks are at a height that makes accessing cargo difficult, and puts volunteers at risk of injury clearing the 5' high box entry.

--iPads and in car mobile terminals. (8) iPads supplied by the City and used by DHHS, made real time data uploads possible and gave a more accurate depiction of ground operations. The ability to push GIS mapping material to troopers vehicles via email facilitated their abilities to make on the ground changes with routes, without having to coordinate through the EOC directly.

--Coordinated efforts with Deputies. A GCSO Lt and Captain on the ground and in the EOC were integral in helping us quickly put together a delivery system that was efficient, and allowed us to skip past obstacles they had already encountered in their previous day's work. In addition, it was GCSO that secured the UHaul trucks for us to use.

--Maintaining a large, central distribution point. This makes it easy to get trucks, vehicles, and supplies in and out very quickly.

As a side note, the delivery model used today was 1 UHaul truck, 20 DHHS personnel, and (2) marked police units per street, and we covered 2 streets at a time. DHHS doubled up going door to door (this was an internal decision made by them). If we were using only law enforcement, we could reduce this number to 10 volunteers per truck, but lower than that would slow down progress, more than 20 would just result in people getting in each other's way, and would make transporting them difficult, not to mention clogging up the street with transport vehicles (which happened today). We used the Sheriff's bus to move volunteers instead of their SUVs because the number of vehicles ended up creating congestion issues on the streets we were delivering on.

Recommend to consider changing on 1-13-16:

--Use of DTMB box trucks (see above). Securing more UHaul type trucks would speed up loading and off-loading.

--We can sustain meals from the EOC for the 60 personnel involved today. More than that is going to require an outside source.

--Using less vehicles to transport volunteers. We used the GCSO bus today, and can continue that until Sunday, however a central transportation unit seems to work best at this point, not individual SUVs for each 4 person team.

Sent from my iPad

Beckner, Jessina (MSP)

From: Budde, Brian (MSP)
Sent: Thursday, January 14, 2016 9:01 AM
To: Kelly, David (MSP); Bolger, Matt (MSP); Gasper, Joe (MSP); O'Neill, Stephen (MSP); Boucher, Brody (MSP); Kapp, Gene (MSP); Kelenske, Chris (MSP); Nevin, Michael (MSP); Kluytman, Julie (MDOS); Ames, Corey (MSP); Lass, James (MSP); Operations, Lts, Lieutenants (MSP); Taylor, Suzan (MSP)
Subject: Fwd: Rally Today at Capitol - Flint Water Crisis

Please see the information below reference the water issue in flint.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY."

Sent from my iPhone

Begin forwarded message:

> **Subject: Rally Today at Capitol - Flint Water Crisis**
>
> Good Morning,
>
> This morning the organizer indicated he has a head count of about 150 people coming from Flint, there are two groups caravanning to the Capitol. One group leaving around 9:30 and another around 10:00. He did not indicate how many, if any were coming from Detroit, Benton Harbor, Ecorse, or Allen Park. They do mention that "other brethren from across the state are meeting us!"
>
> e. It appears this group wants to have a peaceful protest to express their opinions on the water crisis in Flint.

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I will continue to monitor open source for any threats or suspicious postings. So far I haven't seen any evidence of counter protestors or any groups with a counter-view.

Thanks,

Sue

Beckner, Jessina (MSP)

From: Pennell, Ryan (MSP)
Sent: Saturday, October 03, 2015 5:06 PM
To: Kish, Thomas (MSP); Operations, Lts, Lieutenants (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP); Young, Patrick (MSP); Pummill, Paul (MSP)
Subject: Fwd: U of M Flint Campus Detail Update - Water Filter Distribution

5pm Update:

* This will be the final update as U of M Chief Hall has cleared all MSP Units from the detail.
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* There are no reported issues or concerns.

Thank you,

Ryan

Lt. Ryan Pennell
Assistant Post Commander
Michigan State Police
Flint Post #35
G-4481 Corunna Road
Flint, MI 48532
Office: (810) 732-1111
Fax: (810) 732-5306

"A PROUD tradition of SERVICE
through EXCELLENCE,
INTEGRITY and COURTESY"

Sent from my iPad

Beckner, Jessina (MSP)

From: Pummill, Paul (MSP)
Sent: Saturday, January 16, 2016 7:03 PM
To: Dehner, Amy (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP)
Cc: Young, Patrick (MSP); Kish, Thomas (MSP); Sparks, Keith (MSP)
Subject: MSP Flint EOC SITREP
Attachments: MSP Flint EOC SITREP 1900 HRS January 16 2016.docx

Attached, please find the SITREP for the Flint Water Crisis.

Lt. Paul M. Pummill
Assistant Post Commander
Shiawassee Operations
Michigan State Police – Flint Post
G4481 Corunna Road
Flint, Michigan 48532
Office: (810) 732-1111

A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/16/2016 1900 HRS

Prepared by Lt. Paul Pummill

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Public Service Commission, Michigan Army National Guard

ACTIVITY SUMMARY:

- MSP/DHHS/GCSO Distribution teams (75 personnel/11 Teams/11 vehicles) conducted in 1 -4 Wards
- 22 iPad are in use today. All returned.
- 10 vehicles loaded and ready for tomorrow distribution start.
- 62 Volunteers participated today. The expected volunteers for tomorrow 114. At present, we have sufficient trooper and deputies scheduled to meet these anticipated numbers.
- ARC teams distributed 1532 kits.
- Sgt. Sparks assessed the water storage location reference security.

SAFETY ASSESSMENT:

In the distribution areas there is light now and windy. The streets in the area have icy spots. National weather service reports are monitored hourly.

NEXT ANTICIPATED SITREP PUBLISH TIME:

0900 HRS 01/17/2016 by Lt. Pat Young

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Monday, August 11, 2014 5:56 PM
To: Kanicki, Bonnie (MSP)
Subject: Re: Bay Co Water Issue - Resolved

Thanks

Captain Gene Kapp
Third District Commander
Michigan State Police
4495 Corunna Road
Flint, Michigan 48532
(810) 733-9380

On Aug 11, 2014, at 3:52 PM, "Kanicki, Bonnie (MSP)" <KanickiB@michigan.gov> wrote:

> FYI
>
> ---
>
> **From:** Roach, Billie Jo (MSP)
> **Sent:** Monday, August 11, 2014 5:26 PM
> **To:** Kelenske, Chris (MSP)
> **Cc:** Johnson, Michael (MSP); Katarsky, Anthony (MSP); Leix, Ron (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP); Simon, David (MSP)
> **Subject:** Re: contact
>
> The valve has been shut off. Water pressures and levels are now being monitored. This may take another hour or two to be sure.
>
> Sent from my iPhone
>
> On Aug 11, 2014, at 4:39 PM, "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov> wrote:
>
> > Please let me know when everything is confirmed....I do not want to go to the Governor if it is a 36" pipe after telling them it was a 24" pipe and then find out it is a 48" pipe.
> >
> > ---
> >
> > **From:** Johnson, Michael (MSP)
> > **Sent:** Monday, August 11, 2014 3:46 PM
> > **To:** Roach, Billie Jo (MSP)
> > **Cc:** Kelenske, Chris (MSP); Katarsky, Anthony (MSP); Leix, Ron (MSP)
> > **Subject:** RE: contact
> >
> > Thank you, please advise when it is contained and they are fully operational.

From: Roach, Billie Jo (MSP)
Sent: Monday, August 11, 2014 3:45 PM
To: Johnson, Michael (MSP)
Subject: Re: contact

Now being told it's a 36" pipe and they are still trying to isolate it

Sent from my iPhone

On Aug 11, 2014, at 3:02 PM, "Johnson, Michael (MSP)" <JohnsonM45@michigan.gov> wrote:

> No, they can just say the local state of emergency is over, and it expires in 7 days anyway, but there is no formal paperwork.
>
> **From:** Roach, Billie Jo (MSP)
> **Sent:** Monday, August 11, 2014 2:59 PM
> **To:** Johnson, Michael (MSP)
> **Subject:** Re: contact
>
> Does any paperwork need to be done to rescind the declaration ?
>
> Sent from my iPhone
>
> On Aug 11, 2014, at 1:00 PM, "Johnson, Michael (MSP)" <JohnsonM45@michigan.gov> wrote:
>
> > Sounds good, thanks
> >
> > **From:** Roach, Billie Jo (MSP)
> > **Sent:** Monday, August 11, 2014 1:00 PM
> > **To:** Johnson, Michael (MSP)
> > **Subject:** Re: contact
> >
> > Meeting is about to start will update afterwards
> >
> > Sent from my iPhone
> >
> > On Aug 11, 2014, at 12:43 PM, "Johnson, Michael (MSP)" <JohnsonM45@michigan.gov> wrote:
> >
> > > Basically, there are a lot of contractors out there to contact.
> > >
> > > **From:** Roach, Billie Jo (MSP)
> > > **Sent:** Monday, August 11, 2014 12:42 PM
> > > **To:** Johnson, Michael (MSP)
> > > **Subject:** Re: contact
> > >
> > > It's one of those days. I will let u know how the mtg goes. What did capt say?

Sent from my iPhone

On Aug 11, 2014, at 12:40 PM,
"Johnson, Michael (MSP)"
<JohnsonM45@michigan.gov> wrote:

> My contact was not in
> either
>
> F/Lt. Michael Johnson
> State and Local Support
> Section Commander
> Emergency
> Management and
> Homeland Security
> Division
> Michigan State Police
> 4000 Collins Rd.
> Lansing, MI 48910
> TX: (517)-333-5048
>
> "A PROUD tradition of
> SERVICE through
> EXCELLENCE,
> INTEGRITY, and
> COURTESY"

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Saturday, January 09, 2016 11:31 AM
To: MSP-EOC-MDSP; Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kish, Thomas (MSP)
Subject: RE: Coding for City of Flint Water Contamination incident

Clear

Tom Kish will close the loop with you shortly.

Gene

From: MSP-EOC-MDSP
Sent: 1/9/2016 11:05 AM
To: Kapp, Gene (MSP)
Subject: FW: Coding for City of Flint Water Contamination incident

Captain,

The Index and PCA for this project are below. Please use this for any overtime or travel costs. Any costs incurred on straight time will come out of normal post operations.

Matt

From: Burger, Penelope (MSP)
Sent: Wednesday, January 06, 2016 1:18 PM
To: MSP-EMHSD-Division
Cc: MSP-SEOCOPSC; MSP-seocfgc; MSP-seoclgc
Subject: Coding for City of Flint Water Contamination incident

Good Afternoon:

For any **overtime hours** spent working in the SEOC with the City of Flint Water Contamination/Shortage event, please use the following coding:

Index 28900 with PCA 28670

Any **non-payroll** costs (travel, SEOC meals during activation, etc.) should be coded to:

Index 28900 with PCA 28671.

These codes are not yet active in DCDS but will be by the end of the week. Please let me know if you have any questions.

Thanks,
Penny

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police

Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046

RETAIN THIS IMAGE
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Beckner, Jessina (MSP)

From: Taylor, Suzan (MSP)
Sent: Wednesday, February 10, 2016 4:55 PM
To: Michigan Cyber Command Center (MC3); Etue, Kriste (MSP); Behen, David (DTMB); Pauley, Suzanne (DTMB); Christensen, Chris (DTMB); Kopacsi, Christian (DTMB); Kelly, David (MSP); Gasper, Joe (MSP); Stone, Michael (DMVA); Swanson, Eric (DTMB); Davenport, Rodney (DTMB); Sweeney, Matthew (DTMB); Gelisse, Ashley (DTMB); Stibitz, Brom (DTMB); michael.j.yokie.mil@mail.mil; Cruz, Richard (MSP); Ellis, James (MSP); Cook, Danny (MSP); jamar.w.williams.mil@mail.mil; Budde, Brian (MSP); McPherson, Victoria (DTMB); Herbert Ward (herbert.e.ward.mil@mail.mil); Guy, Daniel Edward (Dan) Maj USAF 110 MSG (US) (daniel.e.guy.mil@mail.mil); Reasner, Richard (DTMB); Arnold, Richard (MSP); Sands, Thomas (MSP); Gorski, Gary (MSP); Sible, Shawn (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Bolger, Matt (MSP); Poupard, Jay (MSP); Hunt, Lizabeth (MSP); 'Vangordon, Jeffrey T'; Grant, Rebecca (MSP); Eddy, David (MSP); Reed, David J SGT USARMY NG MIARNG (US); Bansemer, Ryan R CW2 USARMY NG MIARNG (US); Vannortwick, Daniel M MSgt USAF (US); Thelen, Luke (MSP)
Subject: RE: Cyber Threats Related to the Flint Water Crisis - SitRep-10-2016
Attachments: Cyber Threats Releated to the Flint Water Crisis SitRep-10-2016.pdf; SYMC_300397 Anonymous Launches #OpPoisonedH2O and #OpH2O.pdf

All,

Attached is the latest version of the SitRep. All updated content is in RED.

Also attached is the latest MATI report from Symantec (DTMB's security vendor)

Thank you,

Suzan Taylor

Michigan Cyber Command Center (MC3)
Michigan State Police
333 S. Grand Ave.
P.O. Box 30634
Lansing, MI 48909
1-877-MI-CYBER

UNCLASSIFIED//FOR OFFICIAL USE ONLY

(U) CYBER ATTACKS RELATED TO STATE OF MICHIGAN, CITY OF FLINT, AND OTHERS

Cybersecurity Threat Level 2 – Medium (Yellow)

(U) EXECUTIVE SUMMARY

(U//FOUO) The Michigan Intelligence Operations Center (MIOC) and the Michigan Cyber Command Center (MC3) received information warning that the State of Michigan, Governor Snyder, the City of Flint, City of Flint Mayor Weaver, and other private individuals and entities are at an increased risk of cyber-attacks. In addition to doxing, the act of gathering and publishing individuals' personal information without permission, threat actors have attempted to compromise government servers, workstations, and email accounts. The Department of Technology Management & Budget (DTMB), MC3, and MIOC are working together to identify, mitigate, and remediate actions taken against state infrastructure.

(U) INVESTIGATIVE UPDATES

- 02/10/2016

- 02/07/2016

- 02/05/2016

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- 01/30/2016

- 01/29/2016

- 01/28/2016

- 1/27/2016

- 01/26/2016

- 01/25/2016 – 01/26/2016

- 01/25/2016

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- 01/22/2016
- 01/21/2016
- 01/16/2016

(U//FOUO) To help reduce the risk of exposure and targeting by malicious actors, it is suggested the following considerations be implemented:

- Change passwords regularly (use a passphrase with 15 characters or more)
- Be wary of suspicious phone calls or emails from unknown individuals/organizations
- Be cautious when clicking on links or attachments contained in emails
- Search yourself online so you are aware of what information is publically available
- Set up a Google alert for your name so you are alerted when information has been posted about you online
- Use privacy settings on social media accounts
- Limit personal postings on media sites and consider comments being made
- Do not list law enforcement employment on your social media accounts
- Monitor personal credit and banking activity
- Update hardware and software applications continually

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- 02/10/2016

- 02/06/2016

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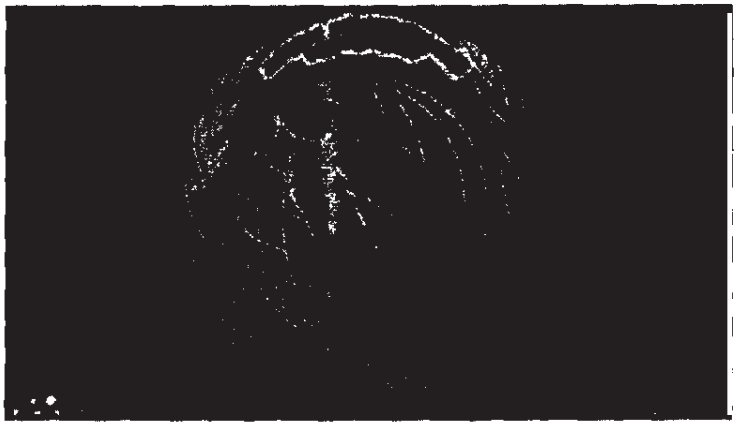
- **02/05/2016**

  - Democratic presidential candidate Hillary Clinton will be in Flint on February 7, 2016 to "see the crisis with lead-contaminated water firsthand and to urge the U.S. Senate to approve $600 million in aid." Details of the visit are currently unavailable. Numerous news articles written about her visit.
    http://www.freep.com/story/news/politics/2016/02/04/hillary-clinton-heading-flint-sunday/79850680/

- **02/03/2016**
  - A democratic presidential debate between Bernie Sanders and Hillary Clinton is scheduled to take place on March 6, 2016 in Flint. The specific time and location are currently undetermined. Numerous news articles written about the upcoming debate

- **02/01/2016**

  posted a YouTube video titled "Anonymous Resistance - #OpFlint." This video is similar to the one posted on January 31, 2016, by Anonyous RedCult. Additional content stated that cyber attacks would occur against the Department of Human Services if children were removed from their homes due to unpaid water bills. It also called on "crackas, cyber warriors, anarchists, and black blockers" to take action. A copy of the video and transcript are included below.



Greetings dissidents of the world. We are Anonymous. We are the resistance The Flint Water Crisis has drawn the attention of Anonymous. Anonymous would first like to pay respect to the victims of this deliberate poisoning. We will not rest until the families of the murdered people and lead poisoned children get justice. The victims of unspecified ills and rashes. We will support you and magnify your voice. For Michigan Governor Rick Snyder your failed cost cutting measures has caused the death of the people you have been charged with the responsibility of protecting. The decent and responsible next action from you would be to step down from office. This isn't what you have chosen to do. Instead you are allowing the people of Flint to be further terrorized by the system you set up. You gave the power of Flint's government to an emergency manager.

Darnell Early rejected using Flint River water in 2012 after meeting with the EPA. Yet you overrode his decision. You used the contaminated river water and deteriorated plumbing. You also decided to save another $100 per day by not adding the critical

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Information may be exempt from public release under the United States Freedom of Information Act (5 U.S.C. 551 et seq.) and the Michigan Freedom of Information Act (15 231 et seq).

chemicals to keep from further degrading the aging infrastructure. City and State workers have been provided clean drinking water for quite some time now. Yes, these deaths and lifelong illnesses are squarely are on your hands. The people of Flint are still being mailed bills for poisonous water. Further you threaten them with condemnation of their homes, removal of their children and placement of those children in a state agency that you also govern. We will not stand idly by while you murder, poison, and terrorize our brothers and sisters in Flint Michigan.

This is a call to all hacktivists, activists, trolls, protestors, marchers, agents, phishers, crackas, cyber warriors, anarchists, and black blockers. Those who work in this corruption can speak through us Anonymously as well. All people of humanity should know that Michigan has the largest reserve of fresh water on earth If this can happen in Michigan it can most assuredly happen where you live. We ask that you use your skills, talents, and time to help bring justice to our fallen and injured family in Flint. Cyber attacks are already underway.

In the event that children are taken from their homes because of failure to pay for poisonous water there will be concentrated cyber attacks on Michigan State Department of Human Services, Governor Snyder, any and all government websites, Brian Larkin, Howard Croft, Natasha Henderson, and Dayne Walling, you also have found yourselves targets of Anonymous. Protestors should peacefully occupy the water department, 1101 Saginaw Street, Flint, Michigan.

Don't let your neighbors pay for poisonous water. Protest at the Governor's mansion, protest the EPA in all states. They are allowing the poisonous water to still flow and further victimization of people who live in and visit Flint. Rick Snyder, you operate outside the law as do your officers and city officials You have turned your state into a third world. We will do whatever it takes to bring you to justice.

State officials of Michigan and city officials of Flint your days of lawlessness are at an end. Environmental Protection Agency this has been a long time coming. And to all of you who violate the people it is far too late to expect us. We are Anonymous, we are the resistance, united as one, divided by zero, we do not forgive, we do not forget, we stand with your victims. Operation poisoned H2O engaged.

- **01/31/2016**

The governor is dispatching his fixer and confidant, Rich Baird, to Flint to help coordinate the state response and to reassure the city's elected leaders of direct

posted a YouTube video focusing on the water issues in Flint. In this video the actor states "Cyber attacks are already under way. In the event that children are taken from their home because of failure to pay for poisonous water there will be concentrated cyber attacks on Governor Snyder, government websites, Brian Larkin, Howard Croft, Natesha Henderson, and Dayne Walling." The video urges protesters to peacefully occupy the Flint water department. A full transcript of the video is below.

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#OpPoisonedH20

Greetings citizens of the world we are Anonymous The Flint water crisis has drawn the attention of Anonymous. Anonymous would first like to pay respect to this deliberate poisoning We will not rest until the families of the murdered people and lead poisoned children get justice The victims have been specified (garbled). We will support you and magnify your voice.

For Michigan Governor Rick Snyder your failed cost cutting measures have caused the death of your people you are charged with the responsibility to protect The decent and responsible next action from you would be to step down from office. This isn't what you have chosen to do. Instead you are allowing the people of Flint to be further terrorized by the system you set up. You gave the power of Flint's government to an emergency manager. Darnell Earley rejected using Flint River water in 2012 after meeting with the EPA. Yet you overrode his decision.

You used the contaminated river water and the deteriorated plumbing. You also decided to save another $100 per day by not adding the critical chemicals to keep from further degrading the aging infrastructure. City and State workers have been provided clean drinking water for quite some time now. Yes, these debts and lifelong illnesses squarely are on your hands. The people of Flint are still being mailed bills for poisonous water.

Further you threaten them with condemnation of their homes, removal of their children and placement of those children in a state agency that you govern We will not stand idly by while you murder, poison, and terrorize our brothers and sisters in Flint Michigan. This is a call to all hacktivists, activists, trolls, protestors, marchers, agents, vishers, those who work in this corruption can speak through us Anonymously as well All people of humanity should know that Michigan has the largest reserve of fresh water on earth. If this can happen in Michigan it can most assuredly happen where you live. We ask that you use your skills, talents, and time to help bring justice to our fallen and injured family in Flint.

Cyber attacks are already under way. In the event that children are taken from their home because of failure to pay for poisonous water there will be concentrated cyber attacks on Governor Snyder, government websites, Brian Larkin, Howard Croft, Natasha Henderson, and Dayne Walling you should do the right thing as well. Protestors should peacefully occupy the water department, 1101 Saginaw Street, Flint, Michigan. Don't let your neighbors pay for poisonous water. Protest at the Governor's mansion protest the EPA in all states. They are allowing the poisonous water to still grown and further victimization of people who live in and visit Flint. Governor Rick Snyder, State of Michigan, City of Flint, US Environmental Protection Agency, we are Anonymous united as one, divided by zero, we do not forgive we do not forget, expect us.

- **01/30/2016**

ı posted two tweets shortly after 7:00 a.m.

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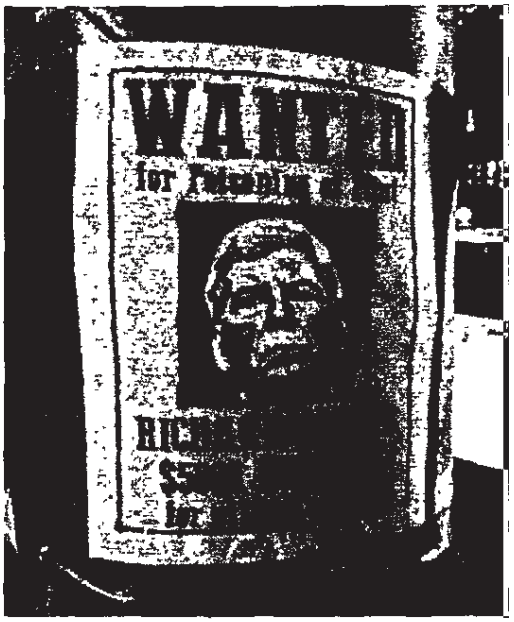
It's not just you! http://michigan.org looks down from here.

- **01/29/2016**
  - NYTimes.com published an article titled "Michigan Gave State Employees Purified Water as It Denied Crisis, Emails Show." That displayed a number of state employee's full name and signatures. The release of this information may put these employees at greater risk for phishing attempts. Note: This PDF can be found in various locations online.

  - "Wanted" posters were posted on poles around the southeast Michigan region. These posters urge citizens to arrest Governor Snyder. MLive highlighted images of these posters.



- **01/27/2016**
  - International Business Times published an article titled, "Flint Water Crisis: Anonymous Hacks Michigan Website, Online Hacking Collective Says." In the article, Anonymous claims to have launched a cyber-attack against the State of Michigan's official website in an apparent act of revenge for the City of Flint's water crisis. http://www.ibtimes.com/flint-water-crisis-update-anonymous-hacks-michigan-website-online-hacking-collective-2283247

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- Michigan Information and Research Service (MIRS) posted an article pertaining to Anonymous members attacking Michigan.gov. This article also mentioned an MLive report discussing the healthcare partner incident currently under investigation by MC3.
- Rachel Maddow of MSNBC will host her television show from Holmes School located at 6602 Oxley Dr., Flint, MI. Guests of Ms. Maddow include Flint Mayor Karen Weaver, U.S. Senator Debbie Stabenow, Dr. Mona Hanna-Allisha of Hurley Medical Center, and more. The event is scheduled to take place at 7 p.m EST. It is unknown how the show selects its audience members.

- **01/25/2016**

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published a video via the YouTube channel, TruthSec Official, on behalf of the group Anonymous using the hashtag #OpYouDrinkThat. The video stated the following:

Greetings fellow citizens of the United States of America, to all of our supporters and followers, and a special hello to Governor Richard Snyder of Michigan. This is anonymous We've been watching what has been going on in Flint Michigan Gov. Snyder and the fact that nothing is being done by you, Mayor of Michigan Dayne Allen Walling, or any of their staff in an attempt to fix this current state of emergency with the drinking water supply is unacceptable, and needless to say we are not happy.

Until you, Gov. Snyder decide to change this attrocity that you have started we will be doxing not only you but your entire family and the families of all the government workers of Flint. This will involve but is not limited to, Darnell F Earley, Howard D Croft, Dayne Allen Walling, and Dr. Edward J Kurtz, just to name a few.

We would like to explain to you that normally we do not involve families in matters like this, but this is a different case entirely. Where as you're going about and poisoning children daily we will have no remorse this time, and will not hold any documents back.

Everything will be released about you Mr. Snyder, your wife, and your children's . The same goes for all who worked directly under Mr. Walling who resigned And We hope you decide to fix this now, before it is too late. This will be our last warning. We are Anonymous, We are Legion, We do not Forgive, We do not Forget, You should have expected us Mr. Snyder.

- **01/24/2016**

- **01/23/2016**

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- **01/22/2016**

published a video via the YouTube channel "TruthSec Official" on behalf of the group Anonymous titled, "A Message To Gov. Richard Dale Snyder." The video content is on the following page.

In March 2014, Flint government officials made the decision to switch Flint's water source from the DWDS to the Karegnondi Water Authority. The purpose of the Authority is to provide and distribute raw water to the region which they did using the Flint River as their source. Immediately upon the switch, the residents of Flint noticed a difference in the taste, smell, and color. How did your staff and you not notice the difference?

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Did it ever occur to you when General Motors decided to close their doors to Flint's public water source and invest in a private company for their water supply, that this water may not be safe for drinking? After all, if it wasn't good enough to manufacture cars with, how was ingesting it safe or beneficial to one's health?

Ask yourself this Governor. If the water running from your faucet, that your children Jeff, Melissa, and Kelsey use to brush their teeth with, or that your wife Sue bathes in was yellow, polluted, and lead infused, would you be okay with it? The physical appearance of the water itself is off putting. When residents questioned it, they were assured by Flint public officials that the levels of TTHM in the water were safe for human consumption. All false.

Only after Virginia Tech conducted a study on the harmful agents in Flint's river water supply was the truth revealed. In addition to increased levels of TTHM in the water, there was up to three times the levels of lead in Flint water than what is approved for human consumption in the United States. As a first world country, we are living in third world conditions. Our innocent children have had to pay for your uninformed and illegitimate decision to sell poisoned water and play russian roulette with their health.

We need to focus on this immediately. A state of emergency was declared yet nothing was done. The majority of people in Flint, reside in low income neighborhoods. They are being forced to live off of bottled water for cooking, cleaning, showering, and everything else. The children in Flint have already been exposed to lead poisoning Along with you, the elected city officials are failing to acknowledge the crumbling infrastructure they have created. Someone has to be held accountable, including you Governor. To save a couple pennies in your budget, you sacrificed not only innocent lives but the faith of the community.

You have lost all credibility and will be remembered as a man who traded a basic human right for profit You poisoned our children knowingly and capitalized on this. Your nonchalant approach and inaction to the apparent genocide you have help create in the city of Flint, has dictated your position in this matter. Governor, it's time you suffer the consequences of your bad decision.You will be made an example of

On behalf of the entire community, we are demanding your resignation in concurrence with making the switch back to the Detroit Water System We are demanding clean, free water.

We are Legion. We do not forgive, we do not forget. Expect us, Governor. The world is watching

- **01/20/2016**

published a video via YouTube by Anonymous titled "#OpFlint." The video stated:

Greetings Citizens of the world,

We are Anonymous.

For over a year now the citizens of Flint, Michigan have been subjected to drinking tap water filled with lead and other poisons.

Over 3000 children residing in flint have been diagnosed with lead poisoning andother contaminated water illnesses.

This issue went unreported by the mainstream media for entirely too long.

A resident of Flint, Michigan and activist by the name of "@C1tyOfFl1nt" has worked for countless hours, weeks, and years to bring awareness to the water crisis in flint.

And now that OpFlint is in the media and people are aware, we must remind the city officials of flint that we do not forget and we do not forgive.

The crimes committed by Governor Snyder as well as other city officials will not go unpunished.

The city of Flint deserved to be informed and made aware of the problem with the town drinking water.

The fact that Governor Snyder stayed silent while the children of flint were poisoned says a lot about his character.

It is safe to assume that children may already be doomed to die due to this It says a lot about how Snyder and those who answered to him on this matter feel about the citizens of Flint

It's clear to us that Governor Snyder needs to be reminded that he is a servant for the very same people he has poisoned and made sick. Or perhaps he never forgot. Perhaps corruption is at play here. In that case, he is now going to simly be shown the error of his evil ways.

We feel that there currently exists enough evidence to arrest Governor Snyder for either voluntary or involuntary manslaughter, and that a full scale investigation into the Flint Water crisis and a criminal trial will yield the information that will send governor Snyder to prison

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We encourage the city of Flint to be vocal and demand that Governor Snyder face criminal charges. Anonymous will *stand beside you.*

We will amplify your voice where the mainstream media will surely fail you, as it has in the past.

We will also join you in calling bullshit on any spin that the corporate media is prepared to put on this, as they have on other past crises that affect the welfare of the common people in this country-most notably the poor and people of color. Governor Snyder and his cronies have brought pain and suffering, and possible death to the people of Flint.

They have also clearly displayed contempt for the children of flint. Certainly they have displayed no remorse or guilt.

But it all stops now.

Because what Governor Snyder will soon learn is what we do not forgive We do not forget. The people responsible for this crises will be held accountable. Every wrong doing will be rectified.

The city of Flint deserved better, governor Instead they got a murderer.

One again justice will arrive in the form of a pale mask.

We are Legion.

We are the citizens of #OpFlint.

Governor Snyder, did you really not expect us?

- **01/19/2016**

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ıajor
ːaking
ng.
, if this

- **01/16/2016**

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(U//FOUO) DTMB, MC3, and MIOC are working together to identify and respond to threats against state infrastructure and employees.

(U) The MIOC and MC3 are requesting in any information related to "The Seven Signs of Terrorism" to include cyber activity:

- Surveillance
- Elicitation
- Tests of Security
- Acquiring Supplies
- Suspicious Person(s) Out of Place
- Dry Runs
- Deploying Assets

(U) HOMELAND SECURITY STANDING INFORMATION NEEDS

(U//FOUO) This bulletin corresponds to HSEC-1 and HSEC-8.

(U) ADMINISTRATIVE NOTE

(U) Send additional questions or concerns to mc3@michigan.gov and/or MIOC@michigan.gov.

(U) The Michigan Intelligence Operations Center (MIOC) and Michigan Cyber Command Center (MC3) prepared this joint product. Contact the MIOC by phone at 517-241-8000, by fax at 517-335-5163, or by email at MIOC@michigan.gov for additional information.

(U) Contact the Michigan Cyber Command Center (MC3) by phone at 1-877-MI-CYBER by fax at 517-335-5163, or email at mc3@michigan.gov for additional information.

DISSEMINATION DATE: February 7, 2016

MSP Command
MIOC Command
A-Team
DTMB
Michigan National Guard

A-101
A-102
A-119

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Information may be exempt from public release under the United States Freedom of Information Act (5 U.S.C 551 et seq.) and the Michigan Freedom of Information Act (15.231 et seq).

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Monday, January 11, 2016 11:01 AM
To: Kish, Thomas (MSP); Sipes, Stephen (MSP)
Cc: Kanicki, Bonnie (MSP)
Subject: RE: Flint Water - EOC Activation

Tom

Don't hesitate to put Sgts. In there if you need instead of Lts.

Gene.

Captain Gene Kapp
District Commander
Third District Headquarters
Michigan State Police
G-4495 Corunna Road
Flint, MI 48532
Office: (810) 733-9380
Fax: (810) 733-9399

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

From: Kish, Thomas (MSP)
Sent: Monday, January 11, 2016 10:46 AM
To: Sipes, Stephen (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
Subject: Flint Water - EOC Activation

Inspector,

Just a heads up on activities downtown. The EOC is located in the basement of the county building. They are generally running administrative type hours from 8:00 am until 7:00 pm. The 14's and myself will begin a rotation for MSP downtown starting tomorrow with Lt. Pummill and myself on Wednesday. Lt. Young will also be assigned in a uniform capacity in the coming days. We are tracking OT hours for any personnel downtown.

I've been in touch with Lt. Draves a few times this morning reference the Governor's visit. As of now there are no protesters, and the likelihood of having any is unlikely given the parking and weather conditions today. I will be down at the EOC starting at noon. We will keep you updated.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd

Flint, MI 48532
(810)732-1111

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Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Monday, January 11, 2016 11:01 AM
To: Kapp, Gene (MSP)
Subject: RE: Flint Water - EOC Activation

Clear.

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To: Kish, Thomas (MSP); Sipes, Stephen (MSP)
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Subject: RE: Flint Water - EOC Activation

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F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

Beckner, Jessina (MSP)

From: Shaw, Jim (MSP)
Sent: Thursday, January 14, 2016 6:38 PM
To: Kapp, Gene (MSP)
Subject: RE: Flint Water Informational e-mail

Thanks Capt....let me know if I can assist in anyway.

Was in Flint today and your staff are incredible. I'm off tomorrow to burn some time but will be checking e-mails and available if you need anything.

Jim

Insp. Jim Shaw
Field Services Bureau
Michigan State Police
333 S. Grand Ave
P.O. Box 30634
Lansing, MI 48909
Office: (517) 241-0915

Shawj@michigan.gov

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

From: Kapp, Gene (MSP)
Sent: Thursday, January 14, 2016 10:38 AM
To: Luty, Christopher (MSP); Mapes, Todd (MSP); Sims, Shannon (MSP); Simon, David (MSP); Jenkins, Marvin (MSP); Richard, Patrick (MSP)
Cc: Kish, Thomas (MSP); Yesh, Monica (MSP); O'Neill, Stephen (MSP); McGaffigan, Kevin (MSP); Kelenske, Chris (MSP); Sands, Thomas (MSP); Shaw, Jim (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Lee, Nichole (MSP); Sims, Robbin (MSP); Kaiser, David (MSP); Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Bolger, Matt (MSP)
Subject: Flint Water Informational e-mail

Good Morning

I am sending this as an informational e-mail.

Currently, the Flint Post and 3rd HST are fulfilling the SEOC - requests for personnel and coordination command to the Flint Water Situation. With over 125 volunteers scheduled today and tomorrow, troopers are providing security to volunteer teams handing out water and filters, street-by-street and house-by-house.

Today we have the following enlisted numbers in place:

F/Lt. assigned to the Joint Information Center (JIC) has and continues to work with local and national media, for MSP, and other agencies.
. F/Lt. as the Water Response Team Commander.

t. as the logistics – Distribution Coordinator.
Sgt as the EOC – Safety Officer.
ts. As Ground Operation Coordinators.
Troopers providing security to the teams.

There are many assignments that fall under this portion of the overall operation and the Response Commander reports to command within the EOC.

I will send these out periodically as there may be a request to up our commitment based on the number of volunteers and supply of filters over the next weeks.

Thank you
Gene

Captain Gene Kapp
District Commander
Third District Headquarters
Michigan State Police
G-4495 Corunna Road
Flint, MI 48532
Office: (810) 733-9380
Fax: (810) 733-9399

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Wednesday, February 17, 2016 10:55 AM
To: MSP-FOIAProject
Subject: FW: Emailing: Flint residents should not have to pay for water they cannot drink , Afternoon SITREP Flint EOC 1 20 16, Assistance to the City of Flint, Brooks Patterson Bill Ballenger say Flint water crisis 'vastly overstated', Flint area leased facil
Attachments: "Flint residents should not have to pay for water they cannot drink"; Afternoon SITREP / Flint EOC 1/20/16; Assistance to the City of Flint; Brooks Patterson, Bill Ballenger say Flint water crisis 'vastly overstated'; Flint area leased facilities; Flint EOC - Afternoon SITREP; Flint EOC - SITREP; Flint Project Code; Flint Water - EOC Activation; Flint water.; Flint Water Crisis-Command Structure; FLINT WATER DETAIL MOBILIZATION INFORMATION - URGENT - 12 HOUR NOTICE; FLINT WATER DETAIL MOBILIZATION; Flint Water Detail; Flint water emergency EOC SITREP; Flint Water Emergency SitRep ; Flint Water emergency SitRep; Flint Water Emergency-Genesee County EOC; Flint Water Informational e-mail; FW: "Gathering" of Militia in Flint at 2 p.m. Sunday, January 24 "Standing with Flint"; FW: "Weekly Ann Arbor Protest: ArrestGovSnyder FlintWaterCrisis" ; FW: Afternoon SITREP / Flint EOC 1/20/16; FW: Arrest Snyder Event Today at 4:40 p.m., Flint City Hall UPDATE; FW: Coding for City of Flint Water Contamination incident; FW: Drinking Water Crisis in Flint, Michigan, Prompts Federal Investigation - NBC News; FW: First Trinity Church - Flint Water Rally; FW: Flint water emergency EOC SITREP; FW: Flint Water March; FW: Flint Water OIC for Friday 1/22; FW: FPD Response for water related issues; FW: Info for Flint troopers; FW: Karegnondi Water Authority Meeting, February 17, 2016, 2 p.m., Lapeer County Council Chambers; FW: MSP Flint EOC SITREP; FW: MSP Resource Request - Flint Water Response Teams; FW: MSP Troopers for Water Emergency; FW: MSP Water Distribution Operation - AAR; FW: NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday; FW: Publicly posted email - FLINT WATER; FW: Rachel Maddow - Flint Town Hall Meeting 1-27-2016; FW: Rally Today at Capitol - Flint Water Crisis; FW: Revised: Volunteers needed for water resource teams in Flint; FW: Standing with Flint Event at Flint City Hall Today, 2 p.m. ; FW: Trooper Staffing for Flint Water Emergency Situation ; FW: Troopers for water delivery in Flint; Fwd: Cyber Intel - Flint Water Issue; Fwd: Flint protest; Fwd: Flint Water emergency SitRep; Fwd: Flint Water Emergency-Genesee County EOC; Fwd: FPD Response for water related issues; Fwd: MSP Water Distribution Operation - AAR; Fwd: Staffing for Flint Emergency Water Situation; Fwd: Standing with Flint Event at Flint City Hall Today, 2 p.m. ; Fwd: Water Emergency EOC Operations and Procedure; Fwd: Water resources distributed map with zones; Genesee County EOC - MSP State Security Officer SITREP 1410 HRS; Index/PCA for Sergeants/Troopers for Flint Water Emergency; MSP Flint EOC SITREP ; MSP Flint EOC SITREP; NEWS UPDATE--$28M Flint Supplemental Clears Senate Committee; NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday; NEWS UPDATE--Contrite Snyder Says He Will Release Emails On Flint; NEWS UPDATE--Flint Supplemental Clears Senate; NEWS UPDATE--Flint Supplemental Heads To Snyder; NEWS UPDATE--House Appropriations OKs Flint Supplemental; NEWS UPDATE--House Sends Flint Water Supplemental To Senate; NEWS UPDATE--Obama Grants Emergency Declaration For Flint; NEWS UPDATE--Senate OKs $30M For Flint Water Bills; NEWS UPDATE--Snyder Activates National Guard To Aid Flint Water Response; NEWS UPDATE--Snyder Creates New Joint State-Flint Group On Water Crisis; NEWS UPDATE--Task Force Makes Suggestions On Flint Water, Legionnaires' Outbreak; NEWS UPDATE--Two Additional Class Action Lawsuits Filed On Flint Water Crisis; NEWS UPDATE--Wyant Resigns In Wake Of Flint Water Crisis; Out of Office: Coding for City of Flint Water Contamination incident;

Attachments: personnel coordination-Flint water; Re: Clinton Flint Visit Detail - Summary; RE: Coding for City of Flint Water Contamination incident; RE: Cyber Intel - Flint Water Issue; RE: DEQ testing in Flint; RE: Flint area leased facilities; Re: Flint Project Code; RE: Flint protest; Re: Flint Water - EOC Activation; RE: FLINT WATER DETAIL MOBILIZATION; RE: Flint Water Emergency-Genesee County EOC; RE: Flint Water OIC for Friday 1/22; RE: GCVM Militia Rally - City of Flint, Flint City Hall,- Sunday January 24, 2016, 2 p.m.; RE: Index/PCA for Sergeants/Troopers for Flint Water Emergency; Re: Karegnondi Water Authority Meeting, February 17, 2016, 2 p.m., Lapeer County Council Chambers; RE: Militia Standing with Flint Event at Flint City Hall Today, 2 p.m. ; RE: MSP Resource Request - Flint Water Response Teams; RE: MSP Troopers for Water Emergency; Re: MSP Water Distribution Operation - AAR; RE: Rachel Maddow - Flint Town Hall Meeting 1-27-2016; RE: Revised: Volunteers needed for water resource teams in Flint; RE: Troopers Assigned to Flint City Water Detail - Friday January 15, 2016; RE: Troopers for water delivery in Flint; RE: Water Rally; Revised: Volunteers needed for water resource teams in Flint; SIT REP Flint Water; Trooper Accomodations Holiday Gateway Centre of Flint; Trooper Staffing for Flint Water Emergency Situation ; Troopers Assigned to Flint City Water Detail - Friday January 15, 2016; Troopers for water delivery in Flint; Volunteer Opportunity in Flint; Volunteers needed for water resource teams in Flint

-----Original Message-----
From: Sipes, Stephen (MSP)
Sent: Friday, February 12, 2016 3:46 PM
To: Kapp, Gene (MSP)
Subject: Emailing: Flint residents should not have to pay for water they cannot drink , Afternoon SITREP Flint EOC 1 20 16, Assistance to the City of Flint, Brooks Patterson Bill Ballenger say Flint water crisis 'vastly overstated', Flint area leased facilitie

Your message is ready to be sent with the following file or link attachments:

Flint residents should not have to pay for water they cannot drink
Afternoon SITREP Flint EOC 1 20 16
Assistance to the City of Flint
Brooks Patterson Bill Ballenger say Flint water crisis 'vastly overstated'
Flint area leased facilities
Flint EOC - Afternoon SITREP
Flint EOC - SITREP
Flint Project Code
Flint Water - EOC Activation
Flint water
Flint Water Crisis-Command Structure
FLINT WATER DETAIL MOBILIZATION INFORMATION - URGENT - 12 HOUR NOTICE FLINT WATER DETAIL MOBILIZATION
Flint Water Detail Flint water emergency EOC SITREP Flint Water Emergency SitRep Flint Water emergency SitRep Flint Water Emergency-Genesee County EOC Flint Water Informational e-mail
FW Gathering of Militia in Flint at 2 p m Sunday January 24 Standing with Flint
FW Weekly Ann Arbor Protest ArrestGovSnyder FlintWaterCrisis
FW Afternoon SITREP Flint EOC 1 20 16
FW Arrest Snyder Event Today at 4 40 p m Flint City Hall UPDATE

FW Coding for City of Flint Water Contamination incident FW Drinking Water Crisis in Flint Michigan Prompts Federal Investigation - NBC News FW First Trinity Church - Flint Water Rally FW Flint water emergency EOC SITREP FW Flint Water March FW Flint Water OIC for Friday 1 22 FW FPD Response for water related issues FW Info for Flint troopers FW Karegnondi Water Authority Meeting February 17 2016 2 p m Lapeer County Council Chambers FW MSP Flint EOC SITREP FW MSP Resource Request - Flint Water Response Teams FW MSP Troopers for Water Emergency FW MSP Water Distribution Operation - AAR FW NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday FW Publicly posted email - FLINT WATER FW Rachel Maddow - Flint Town Hall Meeting 1-27-2016 FW Rally Today at Capitol - Flint Water Crisis FW Revised Volunteers needed for water resource teams in Flint FW Standing with Flint Event at Flint City Hall Today 2 p m FW Trooper Staffing for Flint Water Emergency Situation FW Troopers for water delivery in Flint Fwd Cyber Intel - Flint Water Issue Fwd Flint protest Fwd Flint Water emergency SitRep Fwd Flint Water Emergency-Genesee County EOC Fwd FPD Response for water related issues Fwd MSP Water Distribution Operation - AAR Fwd Staffing for Flint Emergency Water Situation Fwd Standing with Flint Event at Flint City Hall Today 2 p m Fwd Water Emergency EOC Operations and Procedure Fwd Water resources distributed map with zones Genesee County EOC - MSP State Security Officer SITREP 1410 HRS Index PCA for Sergeants Troopers for Flint Water Emergency MSP Flint EOC SITREP MSP Flint EOC SITREP NEWS UPDATE--$28M Flint Supplemental Clears Senate Committee NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday NEWS UPDATE--Contrite Snyder Says He Will Release Emails On Flint NEWS UPDATE--Flint Supplemental Clears Senate NEWS UPDATE--Flint Supplemental Heads To Snyder NEWS UPDATE--House Appropriations OKs Flint Supplemental NEWS UPDATE--House Sends Flint Water Supplemental To Senate NEWS UPDATE--Obama Grants Emergency Declaration For Flint NEWS UPDATE--Senate OKs $30M For Flint Water Bills NEWS UPDATE--Snyder Activates National Guard To Aid Flint Water Response NEWS UPDATE--Snyder Creates New Joint State-Flint Group On Water Crisis NEWS UPDATE--Task Force Makes Suggestions On Flint Water Legionnaires' Outbreak NEWS UPDATE--Two Additional Class Action Lawsuits Filed On Flint Water Crisis NEWS UPDATE--Wyant Resigns In Wake Of Flint Water Crisis Out of Office Coding for City of Flint Water Contamination incident personnel coordination-Flint water Re Clinton Flint Visit Detail - Summary RE Coding for City of Flint Water Contamination incident RE Cyber Intel - Flint Water Issue RE DEQ testing in Flint RE Flint area leased facilities Re Flint Project Code RE Flint protest Re Flint Water - EOC Activation RE FLINT WATER DETAIL MOBILIZATION RE Flint Water Emergency-Genesee County EOC RE Flint Water OIC for Friday 1 22 RE GCVM Militia Rally - City of Flint F

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Beckner, Jessina (MSP)

From: Governors office - List
Sent: Wednesday, February 03, 2016 6:15 PM
To: Sipes, Stephen (MSP)
Subject: "Flint residents should not have to pay for water they cannot drink"

Budget recommendation will include $30 million request for Flint water bill repayments

When Governor Rick Snyder presents his budget recommendation next Wednesday, Feb. 10, he will include a $30 million request for the residents of Flint to keep their water service on and eliminate the need to pay for water they cannot completely trust to drink.

Under the governor's ask, the funding would enable the city of Flint to apply credits for customers on future bills. Estimates show water is roughly 47 percent of billing and sewer costs are around 53 percent. The credit would be applied to consumption usage (roughly

65 percent) of a resident's water portion of the bill, such as for bathing, drinking, cooking, and washing your hands. Residents still would be responsible for paying the sewer portion of their water bills.

Professor Marc Edwards of Virginia Tech said, "This essentially refunds all the money associated with consumption or consumer use. I think it's an amazing gesture of common sense and good will and it corrects an injustice. I don't think there's a precedent for this. I feel so encouraged by the direction this is going.

Click here to learn more about the budget request.

We spoke with Staff Sgt. Thomas Vega about the critical resources they're providing to Flint families every day. He also encouraged residents to pick up and return their water testing kits to Flint fire stations. Test results will be posted online at www.mi.gov/flintwater. **Click here to watch the video.**

www.mi.gov/FlintWater | www.HelpForFlint.com

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This email was sent to sipess@michigan.gov on behalf of: The Executive Office of the Governor · 111 South Capitol Avenue Lansing, MI 48909 517-335-7858

Beckner, Jessina (MSP)

From: Dehner, Amy (MSP)
Sent: Wednesday, January 20, 2016 1:29 PM
To: Kish, Thomas (MSP); Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP)
Cc: Pummill, Paul (MSP); Young, Patrick (MSP)
Subject: Afternoon SITREP / Flint EOC 1/20/16
Attachments: How to UNZIP.html; SecureZIP Attachments.zip

Attached, please find the afternoon SITREP for the Flint EOC.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

01/20/16 at 1230 HRS

Prepared by Lt. Amy Dehner

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, National Guard, Michigan Public Service Commission

ACTIVITY SUMMARY:

- National Guard personnel, MSP troopers, GCSO deputies, and 25 MDOC personnel on ground for distribution teams, briefed at 0830 today on ops plan for) teams that begin water/filter dissemination on 01/20/16. Teams will have MSP and GSCO marked unit as security escort during operations.
- National Guard personnel are providing drivers for U-Haul distribution vehicles, and 15 passenger vans (to transport distribution teams).
- 20 U-Haul vehicles are in use to sustain mobile re-supply concept.
- Anticipating the arrival of another National Guard personnel this evening, which will result in the formation of another distribution teams to be sustained through Sunday 1/20/16, operating 1000HRS through 1800HRS.
- It is anticipated that contact will have either been made or attempted at all 45,000 residences in the City by mid-afternoon today.
- MSP and GCSO met with Red Cross coordinator Lauren Twohig this morning to review coordination issues that continue to be problematic in refining efficiency processes for distribution. A follow-up meeting will be held this afternoon to coordinate with National Guard personnel in an effort to address these issues prior to tomorrow's deployment.

SAFETY ASSESSMENT:

National Guard personnel were briefed for the purposes of situational awareness in the City of Flint. The safety threat assessment remains low, with cold weather as the only operational deterrent at this time.

MSP RESOURCES REQUESTED THIS DATE/STATUS:

additional troopers were requested to augment current trooper staffing, beginning tomorrow 1/20/2016 from 0830 to 1800HRS

NEXT SITREP PUBLISH TIME / SECURITY OFFICER for 01/20/2016:

1800 HRS 01/20/2016

Beckner, Jessina (MSP)

From: Morris, David (MSP)
Sent: Friday, January 29, 2016 1:09 PM
To: Allen, Joel (MSP); Bahlau, Brian (MSP); Bognar, Pamela (MSP); Bowman, Kyle (MSP); Caldwell, Kevin (MSP); Cole, Rhonda (MSP); Cook, David (MSP); Corona, Jaime (MSP); Cremonte, Therese (MSP); Cuevas, Tony (MSP); Furlong, Sean (MSP); Gee-Cram, Lisa (MSP); Gokey, Pete (MSP); Hall, Lorraine (MSP); Hunt, Aaron (MSP); Lugibihl, Renae (MSP); McGaffigan, Kevin (MSP); Moore, Marc (MSP); O'Neill, Stephen (MSP); Patterson, Jessica (MSP); Rodgers, Kristina (MSP); Smith, Ronald (MSP); Stehlik, Hydee (MSP); Thomas, Joseph (MSP); Benzing, Pamela (MSP); Bradley, Joy (MSP); Brodeur, Joseph (MSP); Busch, Julie (MSP); Dilg, Kenneth (MSP); Gonzales, Mario (MSP); Hart, Calvin (MSP); Honey, Robert (MSP); House, Deborah (MSP); Huntoon, Sheila (MSP); Kapp, Mary (MSP); Kennedy, Caroline R. (MSP); Kolbas, Adam (MSP); McCaffery, Ann (MSP); Menna, Philip (MSP); Phelps, Donna (MSP); Powell, Denise (MSP); Schook, Steve (MSP); Schultz, Heather (MSP); Schwartz, Diana (MSP); Scott, Darwin (MSP); Shaw, Michael (MSP); Smiley, James (MSP); Steppey, Heather (MSP); Stewart, Diane (MSP); Weimer, Robert (MSP); Wieckowski, Linda (MSP); Wiegand, David (MSP); Wolf, James (MSP); Yesh, Monica (MSP); Birchmeier, Christy (MSP); Darrow, Patrick (MSP); Deasy, Thomas (MSP); Dehner, Amy (MSP); Fowler, Gerald (MSP); Hages, Valerie (MSP); Jenkins, Marvin (MSP); Jones, Joseph (MSP); Julin, John (MSP); Kaiser, David (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP); Kirsch, Kathy (MSP); Kish, Thomas (MSP); Lathrop, Jan (MSP); Lee, Nichole (MSP); Luty, Christopher (MSP); Mapes, Todd (MSP); Merchant, Laura (MSP); Monroe, Cindy (MSP); Pennell, Ryan (MSP); Pintar, Mark (MSP); Pummill, Paul (MSP); Rampy, David (MSP); Rice, Matthew (MSP); Richard, Patrick (MSP); Rogers, Doug (MSP); Simon, David (MSP); Sims, Robbin (MSP); Sims, Shannon (MSP); Sipes, Stephen (MSP); Spencley, Sandra (MSP); Wilber, Eric (MSP); Young, Patrick (MSP); Bercaw, Vickie (MSP); Blanksvard, Timothy P. (MSP); Bowlby, Chris (MSP); Boyd, Patrick (MSP); Brown, Michael (MSP); Christensen, Charles (MSP); Coleman, James (MSP); Conklin, Kevin (MSP); Dawson, Michael (MSP); Freeman, Carol (MSP); Gorajec, Mary (MSP); Hinz, Dale (MSP); Kane, Paula (MSP); Logan, Melinda (MSP); Ouwinga, Angel (MSP); Pazder, Richard (MSP); Raber, Charlyn (MSP); Rothenberger, Carl (MSP); Saucedo, Anthony (MSP); Schultz, Angela (MSP); Vanhouten, Connie (MSP); Winter, Joanna (MSP); Wood, David (MSP); Abendroth, Joel (MSP); Ambrose, Andrew (MSP); Anderson, Michael (MSP); Crawford, Colleen (MSP); Davis, Robert (MSP); Dunlap, Michele (MSP); Fias, Andrew (MSP); Frisch, Kim (MSP); Grant, Nathan (MSP); Henke, Cameron (MSP); Jarrett, Tonya; Kampf, Mary (MSP); Kanitz, Matt (MSP); Kindel, Lori (MSP); King, Natalie (MSP); McIntire, Christopher (MSP); Poulson, Gregory (MSP); Quick, Diane (MSP); Rau, Steven (MSP); Roesler, David W. (MSP); Schloegl, Lawrence (MSP); Speights, Detrich (MSP); Stolicker, Terri (MSP); Sundberg, Nancy (MSP); Sweeney, Kevin (MSP); Walter, Starla (MSP); Wheaton, Pamela (MSP); White, Jeffrey (MSP); Belcher, Kip (MSP); Berryhill, Lauri (MSP); Brooks, Paula (MSP); Caldwell, Mike A. (MSP); Carroll, Derrick (MSP); Davis, Blake A. (MSP); Grimshaw, John (MSP); Hahn, Mike (MSP); King, Daniel (MSP); Lator, Joshua (MSP); Matelski-Brado, Emily (MSP); Mattson, Meribeth (MSP); Mills, Kenneth C. (MSP); Poddam, Lisa (MSP); Polus, Kristine (MSP); Rucinski, Teresa (MSP); Schneider, John (MSP); Sharp, Stuart (MSP); Simpson, Richard (MSP); Street, David (MSP); Thompson, Brenda (MSP); Tyrrell, Allison (MSP); Belanger, Donal (MSP); Croley, Christopher (MSP); Cunningham, Greg (MSP); Danison, Randal (MSP); Erickson, Mary (MSP); Grabowski, Christine H. (MSP); Halpin, John E. (MSP); Hopper, David (MSP); Horn, Donald (MSP); Jahoda, Katherine (MSP); Johnson, Deborah (MSP); Koepel, Trina (MSP); Lafave, Kate (MSP); Lafoille, Tracey (MSP); Lancaster, Lori (MSP); Michelin, Clint (MSP); Pernaski, Robert F. (MSP); Pifke, Susan (MSP); Recla, Kristina; Sailer, George P. (MSP); Shier, Joseph E. (MSP); Sholander, Timothy

To:	(MSP); Stoudt, Jennifer (MSP); Suriano, Cheryl (MSP); Williamson, Tammy (MSP); Yeck, Camela (MSP); Ammon, Russell (MSP); Benjamin, Michael (MSP); Card, John (MSP); Carter, Jerry (MSP); Collins, Ray (MSP); Coolidge, Tim (MSP); Darling, Michele (MSP); Daversa, Rocco (MSP); Drew, Daniel (MSP); Gonyeau, Paul (MSP); Grady, James (MSP); Hass, Kristie (MSP); Hillier, Dale (MSP); Jaskulka, Lenny (MSP); Keck, Frank R. (MSP); Khan, Randolph (MSP); Lawrence, Judy (MSP); LeRoy, Scott (MSP); Lynde, Robyn (MSP); MacDonald, Jim (MSP); Mears, Kelly (MSP); Mraz, Frank (MSP); Pelletier, Todd (MSP); Richards, John (MSP); Risner, Tamara (MSP); Slater, Trever (MSP); Smith, William (MSP); Stevens, Mitchell (MSP); Stolicker, Christopher (MSP); Tinkle, Sean (MSP)
Cc:	Gray, Nicole (MSP); Jones, Stacey (MSP); Wieber, Emily (MSP); Olney, Robert (MSP); Irwin, Sherri (MSP); Artibee, Sally (MSP); Sands, Thomas (MSP); Shaw, Jim (MSP)
Subject:	Assistance to the City of Flint
Importance:	High

Good afternoon all,

PCA 28670 has been established to track the OT worked assisting with the City of Flint with the water contamination. Please continue to use Project # FLTWAT and Phase 16 to track non-OT hours to that are spent assisting with this issue, as this will help us when asked the overall impact of assisting the City of Flint.

If for some reason you run into an issue where meals, lodging, supplies, etc. are necessary for this assistance, please contact me so that I can make a decision on how to handle that cost.

Please let me know if you have any questions.

Thanks,
Dave

David Morris
Financial Manager – Field Services & Fleet Unit
Departmental Services Division
Michigan State Police
P.O. Box 30634
Lansing, MI 48909
TX: (517) 241-1050

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 19, 2016 6:00 PM
To: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Kish, Thomas (MSP)
Subject: Brooks Patterson, Bill Ballenger say Flint water crisis 'vastly overstated'

http://s.mlive.com/6ZukzRY

Sent from my Windows Phone

Beckner, Jessina (MSP)

From: Fay, Kathleen (MSP)
Sent: Thursday, January 14, 2016 12:04 PM
To: Sipes, Stephen (MSP); Kish, Thomas (MSP); Richard, Patrick (MSP)
Subject: Flint area leased facilities

Good afternoon,
I believe the leased facilities you occupy are on a water system supplied by Flint Township. If this is not correct, please contact me. I will be in the office later this afternoon and most of tomorrow. Kath

Kathleen A. Fay
Management Services Section
Departmental Services Division
Michigan State Police
PO Box 30634
Lansing, MI 48909
517-284-3150 office

"A PROUD Tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From:	Dehner, Amy (MSP)
Sent:	Friday, January 22, 2016 2:22 PM
To:	Kish, Thomas (MSP)
Cc:	Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP); Pummill, Paul (MSP); Young, Patrick (MSP)
Subject:	Flint EOC - Afternoon SITREP
Attachments:	How to UNZIP.html; SecureZIP Attachments.zip

Attached, please find the Flint EOC afternoon SITREP.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

01/22/16 at 1400 HRS

Prepared by Lt. Amy Dehner

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, National Guard, Michigan Public Service Commission

ACTIVITY SUMMARY:

- 180 National Guard personnel, MSP troopers, GCSO deputies, and 25 MDOC personnel on ground for distribution teams, briefed at 0930 today on ops plan for (15) for WRT. Teams will have MSP and e GSCO marked unit as security escort during operations. In addition the American Red Cross is fielding 15 teams (apx 150 personnel) within the City. At their request, the Red Cross continues to operate without law enforcement support, and has consistently stated that law enforcement escorts go against their service model, with their agency assuming liability for the safety of their volunteers.
- The National Guard will sustain the soldiers they have on ground through COB Sunday January 24th.
- MSP, GCSO and National Guard met with Red Cross coordinator Lauren Twohig this morning to review coordination issues that continue to be problematic in refining efficiency processes for distribution, in particular at the Red Cross staffed warehouse.
- At time of publish, all involved ground teams have made or attempted contact at apx. 20,000 residences as part of Phase II of water distribution operations.

SAFETY ASSESSMENT:

National Guard personnel were briefed for the purposes of situational awareness in the City of Flint. The safety threat assessment remains low, with cold weather as the only operational deterrent at this time.

Based on information provided by National Guard personnel staffing water pods at fire stations #3 and #6 with regards to

MSP RESOURCES REQUESTED THIS DATE/STATUS:

-NO ADDITONAL MSP RESOURCES REQUESTED AT THIS TIME-

Beckner, Jessina (MSP)

From:	Dehner, Amy (MSP)
Sent:	Sunday, January 24, 2016 1:31 PM
To:	Kapp, Gene (MSP); Kish, Thomas (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP); Pummill, Paul (MSP); Young, Patrick (MSP)
Subject:	Flint EOC - SITREP
Attachments:	How to UNZIP.html; SecureZIP Attachments.zip

Attached please find the most recent SITREP for the Flint EOC.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

01/23/16 at 1300 HRS

Prepared by Lt. Amy Dehner

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, National Guard, Michigan Public Service Commission, Genesee County Health Department, DTMB, United Way

ACTIVITY SUMMARY:

- National Guard personnel, _ MSP troopers, GCSO deputies, and 25 MDOC personnel on ground for (15) water distribution teams. In addition, the American Red Cross is fielding (40) teams, with apx. 200 personnel acting as water distribution teams.
- As of 1200HRS today teams had completed contacting residences in their assigned operational areas (meeting the end phase of having either attempted or made contact in the estimated 45,000 residences in the City), and were beginning a 3rd pass in some neighborhoods..
- Per the SEOC, the operational plan as of COB today is to stand down the law enforcement/National Guard street water distribution teams, and allow the Red Cross to continue to address and complete their assigned operational areas through Tuesday.
- The National Guard will continue to staff the (5) water distribution pods at local fire stations. Current plans are underway to move those pods to locations that maintain accessibility, without putting pressure on fire station operations.
- MSP personnel on ground have been coordinating with local EMHSD personnel for the return of 20 Penske trucks, and 15 MDOC vans – all of which will be empty and staged at the Clio Road warehouse for transport back to Lansing and/or rental stations in Flint tomorrow.
- Combined team activity for the last three days has averaged apx. 13,000 residences contacted per day. As of 1300HRS, it is anticipated that teams will reach another 12-13,000 residences again today by 1800HRS

SAFETY ASSESSMENT:

(2) National Guard soldiers were taken to McClaren Hospital this morning for minor issues, unrelated to water distribution efforts. As of publish time, both had returned to normal duty status.

MSP RESOURCES REQUESTED THIS DATE/STATUS:

-NO ADDITIONAL MSP RESOURCES HAVE BEEN REQUESTED AT THIS TIME-

Beckner, Jessina (MSP)

From: Shaw, Jim (MSP)
Sent: Monday, January 11, 2016 4:35 PM
To: Kapp, Gene (MSP)
Cc: Morris, David (MSP); Sands, Thomas (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP)
Subject: Flint Project Code

Good afternoon Capt:

To assist in the financial tracking of resources dedicated to the City of Flint in response to the water emergency the following Project Number has been established:

- Project # FLTWAT - Phase 16

This project number will be in DCDS tomorrow. Please have impacted personnel utilize this project number with their time accounting for activities in support of this detail.

Thanks...

Jim

Insp. Jim Shaw
Field Services Bureau
Michigan State Police
333 S. Grand Ave
P.O. Box 30634
Lansing, MI 48909
Office: (517) 241-0915

Shawj@michigan.gov

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Monday, January 11, 2016 10:46 AM
To: Sipes, Stephen (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
Subject: Flint Water - EOC Activation

Inspector,

Just a heads up on activities downtown. The EOC is located in the basement of the county building. They are generally running administrative type hours from 8:00 am until 7:00 pm. The 14's and myself will begin a rotation for MSP downtown starting tomorrow with Lt. Pummill and myself on Wednesday. Lt. Young will also be assigned in a uniform capacity in the coming days. We are tracking OT hours for any personnel downtown.

I've been in touch with Lt. Draves a few times this morning reference the Governor's visit. As of now there are no protesters, and the likelihood of having any is unlikely given the parking and weather conditions today. I will be down at the EOC starting at noon. We will keep you updated.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

Beckner, Jessina (MSP)

From:	Budde, Brian (MSP)
Sent:	Saturday, January 23, 2016 8:27 PM
To:	MSP-EOC-MDSP; Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Kish, Thomas (MSP); Dehner, Amy (MSP); Sipes, Stephen (MSP)
Subject:	Flint water.

D/F/Lt. Brian Budde
Commander
Michigan Intelligence Operation Center (MIOC)
Michigan State Police
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

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Sent from my iPad

Begin forwarded message:

> **From:** "Taylor, Suzan (MSP)" <TaylorS21@michigan.gov>
> **Date:** January 23, 2016 at 8:17:47 PM EST
> **To:** "Budde, Brian (MSP)" <BuddeB1@michigan.gov>
> **Subject: RE: First Run**
>
> Can we send the attached to the SEOC. This was just posted an hour ago.
>
> Thanks,

Sue

Sent from my iPad

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Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Wednesday, January 13, 2016 9:14 PM
To: MSP-EOC-MDSP
Cc: Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sipes, Stephen (MSP); Kapp, Gene (MSP)
Subject: Flint Water Crisis-Command Structure

Starting with operations tomorrow, F/Lt Tom Kish-Flint Post will be the Water Distribution Commander.

Lt. Amy Dehner Flint Post will be the EOC MSP Safety Officer Cell

Additional Information forthcoming.

Beckner, Jessina (MSP)

From:	Dehner, Amy (MSP)
Sent:	Wednesday, January 13, 2016 8:26 PM
To:	Easlick, Anthony (MSP); Hutchinson, James (MSP); Hessling, Austin (MSP); Martin, Aaron (MSP); Gooch, John (MSP); Gooch, John (MSP); Poyhonen, Brian (MSP); Dhooghe, Thomas (MSP); Lutz, Richard J. (MSP); Swales, Mark (MSP); Cairnduff, Bryan (MSP); Stickel, Daniel (MSP); Kramer, Steven (MSP); Brown, Angelo (MSP); Richter, Daniel (MSP); Faucette, John A. (MSP); Zook, Duane (MSP); Jones, Richard (MSP)
Cc:	Kish, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sparks, Keith (MSP); Mapes, Todd (MSP); Adams, Scott (MSP); Pennell, Ryan (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP)
Subject:	FLINT WATER DETAIL MOBILIZATION INFORMATION - URGENT - 12 HOUR NOTICE
Attachments:	How to UNZIP.html; SecureZIP Attachments.zip
Importance:	High

All,

In continuing State of Emergency water filter distribution operations in the City of Flint, you have been tasked to support security operations tomorrow for MSP volunteers, Thursday January 14, 2016. Please ensure those under your command have been notified about their report time and location. Below is operational assembly information that is critical for you to read as this is very short notice :

MISSION:
Providing water filter escort/traffic control/security for 60+ MSP volunteers (broken into 3 distribution teams) who will be distributing water filters door to door tomorrow in the City of Flint. The majority of your operations will be conducted from your patrol car, on city streets. This mission is being sustained in coordinated support with deputies from the Genesee County Sheriff's Office, who are also supplying marked patrol units.

TIME:
0730 HRS Briefing
1700 HRS Release to home post assignment

LOCATION:
Genesee County Administration Building (Directly across from Flint City Hall)
Emergency Operations Center (EOC)
1105 Beach Street
Basement Level

PARKING:
Parking is available on Saginaw Street directly in front of the county building (east side), or in the adjacent church parking lot on Beach Street

NOTABLE EQUIPMENT REQUIREMENTS:

High visibility vest (in vehicle)
Garrison cap and/or department issued cold weather headgear

RADIO CHANNELS:

MEALS:
Lunch will be provided at noon at the EOC

GROUND OPERATION OIC(s):
Tpr. Rick Jones –
Sgt. Duane Zook

EOC SITE SAFETY OFFICER:
Lt. Amy Dehner (3504) 989-225-3487

OTHER INFORMATION:
This is a high-visibility event for the public and media as well. Please expect members of Executive Council to attend and participate, and/or possibly want to ride along with you in your patrol car.

SECURITY GROUP ONE:

Tpr. Gooch
Tpr. Poyhonen
Tpr. Lutz
Tpr. Easlick
Tpr. Cairnduff
Tpr. Stickel
Tpr. Kramer
Tpr. Brown

SECURITY GROUP TWO:
Tpr. Martin
Tpr. Hessling
Tpr. Dhooge
Tpr. Hutchinson
Tpr. Swales
Tpr. Richter
Tpr. Faucette

Any questions regarding the information contained in this email can be directed to me via cellphone at 989-225-3487.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

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Beckner, Jessina (MSP)

From:	Kapp, Gene (MSP)
Sent:	Thursday, January 14, 2016 3:10 PM
To:	Luty, Christopher (MSP); Sims, Shannon (MSP); Simon, David (MSP); Julin, John (MSP); Jenkins, Marvin (MSP); Rice, Matthew (MSP); Wilber, Eric (MSP); Richard, Patrick (MSP); Rampy, David (MSP); Fowler, Gerald (MSP); Rogers, Doug (MSP); Pintar, Mark (MSP); Pennell, Ryan (MSP)
Cc:	Kish, Thomas (MSP); Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Sims, Robbin (MSP); Lee, Nichole (MSP); Black, Charles (MSP); Kaiser, David (MSP); Sands, Thomas (MSP); O'Neill, Stephen (MSP); McGaffigan, Kevin (MSP); Yesh, Monica (MSP)
Subject:	FLINT WATER DETAIL MOBILIZATION

Third District Commanders

As a heads up I ask you to review this information, make a phone call to F/Lt. Kish or Lt. Dehner, and make arraignments (You and/or a Sgt.) to visit the EOC – Flint. As this effort continues and possibly ramps up, you, your staff, and your troops will be called on for support. The request and direction for troopers will come as soon as we have information they will be needed, and will include details such as DCDS codes and reporting plans.

As a F/Lt. or Lt. you may be specifically assigned as the Water Response Team Commander for all team operations. To prepare, please make every effort to visit the EOC during operation hours 730am-9pm, and discuss duties with the on-site commander.

It is my plan to keep Lt. Dehner as a consistent presence / commander in the EOC, but you can be assigned to be part of that team. The following information is for your review and I will keep you advised as information is available.

Current Duties:

- EOC Safety Officer – Sgt.

- Water Response Team Commander for all team operations – F/Lt – Lt. and or assistant.
  - Coordinate and manage Water Response Team structure. This includes Street Sgts.
  - Coordinate and manage Water Response Team resources.
  - Coordinate walking routes with concentration in the most hazardous lead level areas.
  - Coordinate logistics for Water Response Teams.
  - Coordinate iPad distribution and tracking.
  - Coordinate and integrate with state, county, and local personnel as well as volunteers assigned to work on Water Response Teams.
  - Coordinate and manage team security with MSP and County personnel.
  - Determine hours of operation based on assessment of area, hours of daylight, and any other safety information pertinent to operations.
  - Coordinate with Sheriff's department resources.
  - Staff each team with the appropriate number of MSP enlisted personnel for security purposes.
  - Provide a daily report of all activities to include best practices and issues or concerns.

In addition there is a 9:30 am and 4:30 pm SEOC briefing via conference call as well as any other conference calls necessary to complete the above mission.

TROOPER MISSION:
Providing water filter escort/traffic control/security for 60+ MSP volunteers (broken into 3 distribution teams) who will be distributing water filters door to door tomorrow in the City of Flint. The majority of operations will be conducted from patrol car, on city streets. This mission is being sustained in coordinated support with deputies from the Genesee County Sheriff's Office, who are also supplying marked patrol units.

TIME:
0730 HRS Briefing
1700 HRS Release to home post assignment Troopers only

LOCATION:
Genesee County Administration Building (Directly across from Flint City Hall)
Emergency Operations Center (EOC)
1105 Beach Street
Basement Level

PARKING:
Parking is available on Saginaw Street directly in front of the county building (east side), or in the adjacent church parking lot on Beach Street

RADIO CHANNELS:

MEALS:
Lunch will be provided at noon at the EOC

Please call with any questions and advise me by e-mail if you were able to make a site visit.

Gene

Captain Gene Kapp
District Commander
Third District Headquarters
Michigan State Police
G-4495 Corunna Road
Flint, MI 48532
Office: (810) 733-9380
Fax: (810) 733-9399

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Artibee, Sally (MSP)
Sent: Wednesday, January 13, 2016 4:12 PM
To: Sands, Thomas (MSP); Shaw, Jim (MSP); Stolicker, Christopher (MSP); Kolbas, Adam (MSP); Cline, Gloria (MSP); Carter, Jerry (MSP); Keck, Frank R. (MSP); Darling, Michele (MSP); Risner, Tamara (MSP); Moots, James (MSP); Cox, Bradley (MSP); Zarate, Michael (MSP); Gettel, Gina (MSP); Young, Eric (MSP); Smith, Victoria (MSP); Barber, Andrea (MSP); Rodgers, Jeffrey (MSP); Vaughn, Thomas (MSP); Hart, Matthew (MSP); Huovinen, Jeff (MSP); Donahue, Neil (MSP); Roti, Patrick (MSP); Ducker, Kenneth (MSP); Rider, Stefanie (MSP); Aho, Michael (MSP); Buzanowski, Brandon (MSP); Libstaff, Derrick (MSP); Dawson, William (MSP); Hop, Travis (MSP); Viverette, Ed (MSP)
Cc: Boyd, Patrick (MSP); Brown, Michael (MSP); Caldwell, Mike A. (MSP); Card, John (MSP); Dirlam, Thomas (MSP); Hahn, Mike (MSP); Halpin, John E. (MSP); Henke, Cameron (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP); McGaffigan, Kevin (MSP); Menna, Philip (MSP); O'Neill, Stephen (MSP); Roesler, David W. (MSP); Sailer, George P. (MSP); Sipes, Stephen (MSP); Wolf, James (MSP); Yesh, Monica (MSP)
Subject: Flint Water Detail
Attachments: Copy of Copy of Flint Water Detail (2).xlsx

Importance: High

Attached is a list containing the names of those approved to participate in the Flint Water detail. In order to minimize travel time, location of the volunteers was considered.

Attire: Appropriate attire for the weather conditions. Jeans are allowable. MSP uniforms including fatigue uniforms are prohibited. Military Surplus attire or attire that could be mistaken as that of the National Guard shall not be worn.

All individuals assigned to work as the Water Response Team in Flint shall report to the Genesee County EOC by 9 am on Thursday and/or Friday.

Location:
Genesee County Administration Building
1101 Beach St
Flint, MI 48502
In the basement or level "G" if someone used the elevator
Parking is available at Trinity Church, on the corner of Beach and Eighth. It is two blocks southeast of the Admin Building.

Lunch will be served at the EOC, Genesee County Admin. Building.

Each enforcement member should bring their assigned radio.
G Event 9 (primary) and G Event 10 (secondary) have been set up for 800 MHz communications.

Contact: Insp. Scott Marier 517-373-7761

Sally Artibee, Senior Executive Management Assistant
to Lt. Col. W. Thomas Sands, Deputy Director
Michigan State Police
333 S. Grand Avenue

P.O. Box 30634
Lansing, MI 48909-0634
artibees@michigan.gov
Telephone: 517-241-0235

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Flint Water Detail

Thursday January 14 *email* *Friday, January 15* *email*

FSB

LTC Sands-FSB HQ	sandst@michigan.gov
Insp. Jim Shaw-FSB HQ	shawj@michigan.gov
Capt. Chris Stolicker-SID	stolickerc@michigan.gov
D/Lt. Adam Kolbas-Second Dist	kolbasa@michigan.gov
Gloria Cline-FSB HQ	clineg@michigan.gov
F/Lt. Jerry Carter-SID	carterj7@michigan.gov
F/Lt. Frank Keck-SID	keckf@michigan.gov
Sgt. Michelle Darling-SID	darlingm1@michigan.gov
Tami Risner-SID	risnert1@michigan.gov
Tpr. Jim Moots-Lansing Post	mootsj@michigan.gov
D/Sgt. Brad Cox-Second Dist	coxb@michigan.gov
D/Tpr. Mike Zarate-Second Dist	zaratem@michigan.gov
D/Tpr. Gina Gettel-Second Dist	gettelg@michigan.gov
D/Tpr. Eric Young-Second Dist	younge4@michigan.gov
D/Tpr. Victoria Smith-Second Dist	smithv14@michigan.gov
D/Sgt. Andrea Barber-Second Dist	barbera1@michigan.gov
Tpr. Jeff Rodgers-Second Dist.	rodgersj4@michigan.gov
Tpr. Tom Vaughn-Second Dist.	vaughnt@michigan.gov
Tpr. Matt Hart (Marshall Post)	hartm@michigan.gov
Tpr. Jeff Huovinen (Mt. Pleasant)	huovinenj@michigan.gov
D/Tpr. Victoria Smith (Second Dist)	smithv14@michigan.gov
D/Sgt. Neil Donahue (Second Dist)	donahuen@michigan.gov
D/Sgt. Pat Roti (Second Dist)	rotip@michigan.gov
D/Sgt. Ken Ducker (Second Dist)	duckerk@michigan.gov
D/Spl. Stefanie Rider (Second Dist)	riders1@michigan.gov
D/Spl. Mike Aho (Second Dist)	ahom@michigan.gov
D/Spl. Brandon Buzanowski (Second Dist)	buzanowskib@michigan.gov
D/Spl. Derrick Libstaff (Second Dist)	libstaffd@michigan.gov
D/Tpr. William Dawson (SID-FIS)	dawsonw@michigan.gov
D/Tpr. Travis Hop	hopt@michigan.gov
D/Lt. Ed Viverette	viverettee@michigan.gov

ASB

Erin Moon-Tulloch-DCD	moon-tulloche@michigan.gov
Sally Sands-DSD	sandss@michigan.gov
Mary Vickrey-DSD	vickreym@michigan.gov
F/Lt. Shelley Heindel-Comm.	heindels@michigan.gov
Chris Moore-CJIC	moorec@michigan.gov
Mike Armitage-911	armitagem@michigan.gov
Tammy Blackburn-CJIC	blackburnt2@michigan.gov
Michelle Martz-CJIC	martzm@michigan.gov
Karis Olney-CJIC	olneyk2@michigan.gov
Tom Bur-CJIC	burt@michigan.gov
Leslie Wagner-GCSD	wagnerl2@michigan.gov
Sandy Long-ATPA	longs7@michigan.gov
Tim Bailor-ATPA	bailort@michigan.gov
Tim Bolles-DCD	bollest@michigan.gov
Brenda Reynolds-DSD	reynoldsb1@michigan.gov
Andrew Stack-DCD	stacka@michigan.gov
Amy Alimo-CJIC	alimoa1@michigan.gov
Laura Hehrer-CJIC	hehrerl1@michigan.gov
Wayne Aldrich-CJIC	aldrichw4@michigan.gov
Julie McQueen (Wood) - CJIC	woodj8@michigan.gov

StSB

Heather Vitta-FSD	VittaH@michigan.gov	Jessica Drager-FSD	drageri@michigan.gov
Brandon Good-FSD	GoodB@michigan.gov	Lisa Champion-FSD	championl@michigan.gov
Ashley Bolahan-FSD	BolahanA@michigan.gov	Alesia Osborne-FSD	osbornea3@michigan.gov
Logan Albertson-FSD	AlbertsonL@michigan.gov	Sarah Thibault-FSD	thibaullts@michigan.gov
Paul Donald-FSD	donaldp@michigan.gov	Danielle Stewart-HR	stewartd7@michigan.gov
Kirk Deleeuw-FSD	DeLeeuwK@michigan.gov	Allison Lukco-HR	lukcoa1@michigan.gov
Stephanie Day-FSD	days6@michigan.gov	Ofc. Steve Thomas-Capitol Sec.	thomass25@michigan.gov
Keith Lamont-FSD	lamontk@michigan.gov	Ofc. Carmen Scheuneman-Capitol Sec.	scheunemanc@michigan.gov
Tyler Torbet-FSD	torbett@michigan.gov	Ofc. Shannon Fitzpatrick-Capitol Sec.	fitzpatricks4@michigan.gov
F/Lt. Ryan Larrison-FSD	larrisonr@michigan.gov	Ofc. Jeremy Nunez-Capitol Sec.	nunezj@michigan.gov
Tiffany Watson-BID	franzosi-watsont@michigan.gov	Jane Hensley-SOD	hensleyj3@michigan.gov
Derrick Jordan-BID	jordand@michigan.gov	Amy Lowery-SOD	lowerya@michigan.gov
LTC Arnold-StSB	arnoldr@michigan.gov	Matt Rogers-SOD	rogersm11@michigan.gov
Insp. Scott Marier-StSB	mariers@michigan.gov	Pat Lawrence-SOD	lawrencep2@michigan.gov

SSB

Lori Higgins, SSB	higginsL2@michigan.gov	Lt. Col. Gary Gorski, SSB	gorskig@michigan.gov
Kevin Chapo, IOD	chapok@michigan.gov	Brian Budde, IOD	buddeb1@michigan.gov
Ashley Goodwillie, IOD	goodwilliea@michigan.gov	Dave Eddy, IOD	eddyd@michigan.gov
Rachel Starr, IOD	starrR1@michigan.gov	D/Lt. Jay Poupard, IOD	pouparti@michigan.gov
Autumn Schrauben, IOD	schraubena2@michigan.gov	D/S/Tpr. Liz Hunt, IOD	hunte1@michigan.gov
Tim Talarek, IOD	talarekt1@michigan.gov	Tpr. Chris Vergison, IOD	vergisond1@michigan.gov
Amy Darling, IOD	darlingA3@michigan.gov	Abe Droste, CVED	drosteA2@michigan.gov
Abe Droste, CVED	drosteA2@michigan.gov	Sgt. Paul Oles, CVED	olesp@michigan.gov
Lt. Charles Black, CVED	blackC@michigan.gov	Inv. Natalie Johnson, CVED	johnsonN12@michigan.gov
Simone Wilson, CVED	wilsonS1@michigan.gov	Sgt. Kevin Hogan, CVED	hogank@michigan.gov
Ofcr. Douglas Dawdy, CVED	dawdyD1@michigan.gov	Insp. Pat Morris-CVED	morrisp6@michigan.gov
Ofcr. Edward Bohner, CVED	bohnerE@michigan.gov	Julie Kluytman, IOD	kluytmanj@michigan.gov
		Ofcr. Brian Kirk, CVED	kirkB@michigan.gov

Beckner, Jessina (MSP)

From: Young, Patrick (MSP)
Sent: Sunday, January 17, 2016 7:29 PM
To: Kish, Thomas (MSP)
Cc: Pummill, Paul (MSP); Dehner, Amy (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP); Sparks, Keith (MSP)
Subject: Flint water emergency EOC SITREP
Attachments: Sunday evening MSP Flint EOC SITREP 1800 HRS January 17 2016.docx

The evening SITREP is attached.

Lt. Patrick Young
Assistant Post Commander
Michigan State Police
Flint Post #35
Flint, Michigan 48532
Post: (810) 732-1111
Cell: (586) 615-1359
Fax: (810) 732-5306

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/17/2016 1900 HRS

Prepared by Lt. Patrick Young

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Community Service Commission, and the Michigan Army National Guard.

ACTIVITY SUMMARY:

- Distribution teams totaling roughly 104 volunteers have returned to the EOC and or left for the evening. This does not include personnel from the MSP, MDOC, GCSO, or truck drivers.
- We are currently coordinating loading procedures for 15 trucks.
- 22 iPad have been turned back in, secured in the EOC and are charging for tomorrow's mission.
- Gas cards have been obtained to resolve local level re-fuel issues of distribution vehicles.
- It has been reported that the 10 ARC teams have returned and are clear.
- The ARC is reporting 1732 residential contacts for the day.
- The numbers for this day's residential contacts for MSP/GCSO have yet to be determined.

SAFETY ASSESSMENT:

Local access shows 13 Degrees Fahrenheit with a light wind. The streets are icy in spots. The National Weather Service reports are being monitored.

NEXT ANTICIPATED SITREP PUBLISH TIME:

1000 HRS 01/18/2016 from Lt. Patrick Young.

Beckner, Jessina (MSP)

From:	Young, Patrick (MSP)
Sent:	Monday, January 18, 2016 10:33 AM
To:	Kish, Thomas (MSP)
Cc:	Dehner, Amy (MSP); Pummill, Paul (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP)
Subject:	Flint Water Emergency SitRep
Attachments:	Monday morning MSP Flint EOC SITREP 1030 HRS January 18 2016.docx

Lt., the Monday morning SitRep is attached.

Lt. Patrick Young
Assistant Post Commander
Michigan State Police
Flint Post #35
Flint, Michigan 48532
Post: (810) 732-1111

Fax: (810) 732-5306

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/18/2016 1025 HRS

Prepared by Lt. Patrick Young

AGENCIES PRESENT:

MSP EMHSD/Flint Post Personnel, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Community Service Commission, Michigan Army National Guard.

ACTIVITY SUMMARY:

- MSP/DHHS/GCSO/all other/Distribution teams totaling roughly 172 are in operation. This includes team leaders. At present, we have sufficient trooper and deputy staffing to effectively run this days operation. The expected hard numbers of volunteers will be passed down by the SEOC this evening. We have fielded 12 teams with 12 vehicles. 4 additional vehicles (box trucks) are being utilized as resupply vehicles. Distribution operations are taking place on the West and North ends of Flint per local intelligence and the latest distribution map provided by the SEOC.
- 20 + iPads are in use today.
- The ARC reported 12 ARC teams deployed at approximately 9am.

SAFETY ASSESSMENT:

Local access shows 16 Degrees Fahrenheit. Wind chill factor feels like -3 degrees. The streets have icy spots in the distribution areas. National weather service reports are being monitored.

NEXT ANTICIPATED SITREP PUBLISH TIME:

1800 HRS 01/18/2016

Beckner, Jessina (MSP)

From:	Young, Patrick (MSP)
Sent:	Monday, January 18, 2016 6:02 PM
To:	Kish, Thomas (MSP)
Cc:	Pummill, Paul (MSP); Dehner, Amy (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP)
Subject:	Flint Water emergency SitRep
Attachments:	Monday evening MSP Flint EOC SITREP 1800 HRS January 18 2016.docx

Lt., The afternoon sit rep is attached.

Lt. Patrick Young
Assistant Post Commander
Michigan State Police
Flint Post #35
Flint, Michigan 48532
Post: (810) 732-1111

Fax: (810) 732-5306

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/18/2016 1800 HRS

Prepared by Lt. Patrick Young

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Community Service Commission, and the Michigan Army National Guard.

ACTIVITY SUMMARY:

- Distribution of 12 teams totaling roughly 110 volunteers have returned to the EOC and or left for the evening. This does not include personnel from the MSP and the GCSO.
- We are currently coordinating loading procedures for 16 trucks.
- 22 iPad have been turned back in, secured in the EOC and are charging for tomorrow's mission.
- It has been reported that the 10 ARC teams have returned and are clear.
- The ARC did not report residential contacts for the day.
- *The numbers for this day's residential contacts for MSP/GCSO have yet to be determined.*
- Working on deployment operations for tomorrow along with support vehicles and personnel.

SAFETY ASSESSMENT:

Local weather access shows 17 Degrees Fahrenheit with a wind chill of 0 degrees. The streets are icy in spots. The National Weather Service reports are being monitored.

NEXT ANTICIPATED SITREP PUBLISH TIME:

1000 HRS 01/19/2016 from Lt. Amy Dehner or Lt. Julin.

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Tuesday, January 12, 2016 1:41 PM
To: Sims, Shannon (MSP); Mapes, Todd (MSP); Simon, David (MSP); Luty, Christopher (MSP)
Cc: Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sipes, Stephen (MSP); Sparks, Keith (MSP)
Subject: Flint Water Emergency-Genesee County EOC

Lts.,

The address for the Flint Emergency Operations Center is 1105 Beach St. This is a county owned building. It is directly across the street from Flint City Hall and the EOC is located in the basement, or level "G" if you use the elevator. Once you exit the elevator, you will see an old cafeteria to the left. Walk past the cafeteria and the EOC is down the hall on the right. The door is labeled Emergency Operations Center. BJ Roach is the EMHSD coordinator for the incident. Her cell phone number is (Please include Sgt. Keith Sparks at our post as to whom you will be sending. We are putting together paper squads for this response.

Parking is available behind the sheriff department which is one building north of the county building or there is a parking ramp available off 7th street.

We appreciate all the assistance.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, January 14, 2016 10:38 AM
To: Luty, Christopher (MSP); Mapes, Todd (MSP); Sims, Shannon (MSP); Simon, David (MSP); Jenkins, Marvin (MSP); Richard, Patrick (MSP)
Cc: Kish, Thomas (MSP); Yesh, Monica (MSP); O'Neill, Stephen (MSP); McGaffigan, Kevin (MSP); Kelenske, Chris (MSP); Sands, Thomas (MSP); Shaw, Jim (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Lee, Nichole (MSP); Sims, Robbin (MSP); Kaiser, David (MSP); Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Bolger, Matt (MSP)
Subject: Flint Water Informational e-mail

Good Morning

I am sending this as an informational e-mail.

Currently, the Flint Post and 3rd HST are fulfilling the SEOC - requests for personnel and coordination command to the Flint Water Situation. With over 125 volunteers scheduled today and tomorrow, troopers are providing security to volunteer teams handing out water and filters, street-by-street and house-by-house.

Today we have the following enlisted numbers in place:

-/Lt. assigned to the Joint Information Center (JIC) has and continues to work with local and national media, for MSP, and other agencies.
F/Lt. as the Water Response Team Commander.
t. as the logistics – Distribution Coordinator.
gt. as the EOC – Safety Officer.
Sgts. As Ground Operation Coordinators.
Troopers providing security to the teams.

There are many assignments that fall under this portion of the overall operation and the Response Commander reports to command within the EOC.

I will send these out periodically as there may be a request to up our commitment based on the number of volunteers and supply of filters over the next weeks.

Thank you
Gene

Captain Gene Kapp
District Commander
Third District Headquarters
Michigan State Police
G-4495 Corunna Road
Flint, MI 48532
Office: (810) 733-9380
Fax: (810) 733-9399

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Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Sunday, January 17, 2016 7:14 PM
To: Sipes, Stephen (MSP)
Subject: FW: "Gathering" of Militia in Flint at 2 p.m. Sunday, January 24 "Standing with Flint"

From: Budde, Brian (MSP)
Sent: 1/17/2016 6:40 PM
To: Kapp, Gene (MSP); Kish, Thomas (MSP); Bolger, Matt (MSP); Kelly, David (MSP); Kelenske, Chris (MSP); Gasper, Joe (MSP); Operations, Lts, Lieutenants (MSP); Bempong, Akosua (MSP); Nevin, Michael (MSP); Kluytman, Julie (MSP); Ames, Corey (MSP); DSEMIIC
Cc: Batchelor Daniel R.; shannon.snider@ic.fbi.gov; Zambeck Nicolas
Subject: Fwd: "Gathering" of Militia in Flint at 2 p.m. Sunday, January 24 "Standing with Flint"

The below event has just been identified for January 24 in Flint.

This is for situational awareness and not for release. The MIOC will continue to search this event and provided updates throughout the week leading up to the event.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY."

Sent from my iPhone

Begin forwarded message:

> **Subject: "Gathering" of Militia in Flint at 2 p.m. Sunday, January 24 "Standing with Flint"**
>
> The location is 1099 Saginaw Street, Flint. I tried to Google that location to determine the significance of the address but couldn't identify it as a commercial or city facility or park, etc.
>
> The description of the event is as follows:
>
> We the People of the County of Genesee and of the State of Michigan, stand united to say to this government "ENOUGH IS ENOUGH", there have been lives lost and, along with families being ruined from illnesses. We demand that those responsible are held accountable.
>
> To help our effort, The are requesting a show of support on Sunday, January 24, 2016 from

Patriots and Patriot groups across the land as a united front, standing with all citizens of the City of Flint, MI. We ask [redacted], and all other like groups to wear your uniforms and insignia to this event. All others are welcome to join us as well! We ask that you only wear side arms and not long rifles, this is not about our 2nd Amendment, this is about the infringement on the good people of Flint. . God Bless the Republic,

On behalf of the [redacted]

They are asking participants to bring water for the citizens of Flint. [redacted] plans to have two U-Hauls of water to distribute.

I'll continue to monitor the event and provide updates.

Thanks,

Sue

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Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, February 04, 2016 7:30 AM
To: Sipes, Stephen (MSP); Kish, Thomas (MSP); Furnish, Nicole (MSP)
Subject: FW: "Weekly Ann Arbor Protest: ArrestGovSnyder FlintWaterCrisis"
Attachments: Protesters_ 'Arrest Rick Snyder! Make him drink the water!' _ MLive_2-4-2016.pdf

FYI

Nicole please advise if you are getting these from Sue.

Gene

From: Taylor, Suzan (MSP)
Sent: Thursday, February 04, 2016 7:27 AM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Sands, Thomas (MSP); Arnold, Richard (MSP); Sible, Shawn (MSP); Gasper, Joe (MSP); Kapp, Gene (MSP); Kelenske, Chris (MSP); Bolger, Matt (MSP); Budde, Brian (MSP); Kelly, David (MSP)
Cc: Goldblatt, Kelley (MSP); Grant, Rebecca (MSP); Kluytman, Julie (MSP); Ames, Corey (MSP); Nevin, Michael (MSP)
Subject: "Weekly Ann Arbor Protest: ArrestGovSnyder FlintWaterCrisis"

Good Morning,

The first "Weekly Ann Arbor Protest: ArrestGovSnyder FlintWaterCrisis" was held last night in front of Governor Snyder's residence at g, it is reported that over 80 individuals turned out for the demonstration. Participants loudly chanted, carried posters, and wrote messages on the sidewalk in front of the residence. The event description indicates the group will continue to protest on Wednesdays between 5:30 p.m. - 6:30 p.m. in front of Governor Snyder's residence in Ann Arbor.

The next protest will be held on Wednesday, **February 10 between 5:30 p.m. – 6:30 p.m.** also in front of Governor Snyder's residence in Ann Arbor. Currently 45 individuals have RSVP'd they plan to attend.

This is for situational awareness only.

Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

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Protesters: 'Arrest Rick Snyder! Make him drink the water!'

By Ryan Stanton | ryanstanton@mlive.com
Email the author | Follow on Twitter
on February 03, 2016 at 9:10 PM, updated February 03, 2016 at 11:33 PM

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It's hard out here for a governor.

Facing continued pressure to resign over the Flint water crisis, Michigan Gov. Rick Snyder has been **publicly heckled** while trying to dine out in Ann Arbor, he's been the subject of criticisms written in chalk on downtown sidewalks, his face is on wanted posters plastered around multiple cities, and then there's the protests.

Dozens of protesters demonstrated once again Wednesday night outside the embattled governor's personal condo in downtown Ann Arbor.

Protest organizer Jan BenDor of Michigan Rising said they're planning to continue holding weekly protests outside the Main Street loft condo the governor and his wife moved into this past year. The Snyders had been living in a gated community just outside the city before deciding to make the move downtown.

"We're just hoping to keep this situation in the public eye," BenDor said of the Flint water crisis. "Often even the worst tragedies just disappear after a week or so of concern, and this is a long-term horrible thing that has happened in our state. So, we want to make sure everybody keeps helping with this."

FLINT WATER

Meijer offers $500,000 towards relief efforts in Flint water crisis

Protesters: 'Arrest Rick Snyder! Make him drink the water!'

MDHHS begins investigation into rash reports in Flint's water crisis

Free iPhone app shows Flint residents water distribution sites in city

UM-Flint's enrollment dropped 3 percent after water crisis went national

All Stories

The condo's window blinds were closed Wednesday night, and it wasn't clear that anybody was home, but protesters still chanted loudly.

"Arrest Rick Snyder! Make him drink the water!" they yelled as they marched along Main Street.

"Jail the nerd!" they chanted in unison multiple times.

"No more procrastination! We want incarceration!"

The protesters didn't channel all of their energy into anger and frustration toward the governor, though.

They also handed out fliers informing passersby how they can help the residents of Flint, with suggested charities to support.

"We're encouraging people to donate to the **FlintKids.com** website for the long-term health care of the poisoned children," BenDor said. "And we are also encouraging donations to some other agencies that are doing uniquely good work."

The flier also directs people to a CrowdRise page for a charity for Flint residents called **Crossing Water.**

Ann Arbor resident Susan Fecteau was among those protesting. She's also behind the anti-Snyder sidewalk chalk messages seen around downtown.

"You enjoying your clean water up there, Rick?" read one of the messages written on the sidewalk right outside the governor's window Wednesday night.

Fecteau said she's been out chalking just about every day for weeks now and she's been watched and photographed. She's not sure who's doing it, but somebody has been wiping away her messages after she leaves, but she keeps going back.

She said Wednesday's protest was about making sure people are fully aware of what has happened in Flint.

She said people need to take back their government.

"People need to to get educated about it, and understand that when we vote guys in like this, this is what happens, this is the result," she said.

"And I've been stunned as I've been talking to people. I'm surprised people still don't know what has happened. People don't understand about the emergency manager law. They don't understand about FOIA and that he's FOIA-proof."

Not everyone was happy with the protest, though.

Paula Porter, an employee of the Four Directions store on the ground level under the governor's condo, came out and confronted the protesters. She questioned whether what they were doing was constructive or effective.

"I'm on their side, but I'd prefer they go to Flint," she said. "I've lived in Flint. Go spend time in Flint, get things done."

Porter said she doesn't think the governor is going to care much about what protesters outside his condo have to say.

A city police officer was on the scene at one point responding to complaints that people were stuffing fliers into one or more mail slots.

Dave Murray, a spokesman for the governor, said in response to the protest that Snyder is focused on the people of Flint, not politics.

"He's making sure Flint residents are getting the assistance they need as we move forward, addressing issues related to health, education and infrastructure," he said.

"Today the governor discussed his $30 million proposal to bring relief to Flint residents who have been paying for water they cannot use to drink or cook with. This is on top of the $28 million our partners in the Legislature approved last week to provide immediate relief and the $9 million approved in October.

"People across our state, from both sides of the aisle, are coming together to help the people of Flint."

*Ryan Stanton covers the city beat for The Ann Arbor News. Reach him at **ryanstanton@mlive.com.***

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Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Wednesday, January 20, 2016 3:15 PM
To: Sims, Shannon (MSP); Mapes, Todd (MSP); Simon, David (MSP); Luty, Christopher (MSP)
Subject: FW: Afternoon SITREP / Flint EOC 1/20/16
Attachments: How to UNZIP.html; SecureZIP Attachments.zip

From: Dehner, Amy (MSP)
Sent: Wednesday, January 20, 2016 1:29 PM
To: Kish, Thomas (MSP); Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP)
Cc: Pummill, Paul (MSP); Young, Patrick (MSP)
Subject: Afternoon SITREP / Flint EOC 1/20/16

Attached, please find the afternoon SITREP for the Flint EOC.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

01/20/16 at 1230 HRS

Prepared by Lt. Amy Dehner

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, National Guard, Michigan Public Service Commission

ACTIVITY SUMMARY:

- 95 National Guard personnel, MSP troopers, GCSO deputies, and 25 MDOC personnel on ground for distribution teams, briefed at 0830 today on ops plan for (10) teams that begin water/filter dissemination on 01/20/16. Teams will have one MSP and one GSCO marked unit as security escort during operations.
- National Guard personnel are providing drivers for U-Haul distribution vehicles, and 15 passenger vans (to transport distribution teams).
- 20 U-Haul vehicles are in use to sustain mobile re-supply concept.
- Anticipating the arrival of another 90 National Guard personnel this evening, which will result in the formation of another 10 distribution teams to be sustained through Sunday 1/20/16, operating 1000HRS through 1800HRS.
- It is anticipated that contact will have either been made or attempted at all 45,000 residences in the City by mid-afternoon today.
- MSP and GCSO met with Red Cross coordinator Lauren Twohig this morning to review coordination issues that continue to be problematic in refining efficiency processes for distribution. A follow-up meeting will be held this afternoon to coordinate with National Guard personnel in an effort to address these issues prior to tomorrow's deployment.

SAFETY ASSESSMENT:

National Guard personnel were briefed for the purposes of situational awareness in the City of Flint. The safety threat assessment remains low, with cold weather as the only operational deterrent at this time.

MSP RESOURCES REQUESTED THIS DATE/STATUS:

additional troopers were requested to augment current trooper staffing, beginning tomorrow 1/20/2016 from 0830 to 1800HRS

NEXT SITREP PUBLISH TIME / SECURITY OFFICER for 01/20/2016:

1800 HRS 01/20/2016

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Friday, January 08, 2016 2:05 PM
To: Kish, Thomas (MSP); Sipes, Stephen (MSP)
Subject: FW: Arrest Snyder Event Today at 4:40 p.m., Flint City Hall UPDATE
Attachments:

FYI

From: Budde, Brian (MSP)
Sent: Friday, January 08, 2016 9:37 AM
To: Kelly, David (MSP); Bolger, Matt (MSP); Kapp, Gene (MSP); Gasper, Joe (MSP); Kelenske, Chris (MSP); Boucher, Brody (MSP)
Cc: Nevin, Michael (MSP); Kluytman, Julie (MSP); Ames, Corey (MSP)
Subject: FW: Arrest Snyder Event Today at 4:40 p.m., Flint City Hall UPDATE

Good Morning,

The MIOC has prepared the below information for situational awareness and public safety concerns.

Participants of this rally will meet up at Flint City Hall to discuss why arresting the Governor is "the only action that is appropriate." The group plans to move from Flint City Hall to a nearby overpass and display light boards with the message "Flint Arrest Snyder." One individual will be dressed as Snyder in a black/white stripe prison jumpsuit with the number 66247 (see attached photo). The number is significant to them as it is meant to signify Snyder is "the Devil 24/7."

This rally is described as a nonviolent action intended to support the community affected by the tainted water. No guns or weapons are welcome. No drugs or alcohol are welcome. This is to be a family friendly event working toward the health of the community.

At this time there are no known credible threats. Unfortunately, this issue has received a large amount of negative media exposure. Cher has "tweeted" the Governor should be executed over the Flint water issue and filmmaker Michael Moore has started a petition asking the U.S. Attorney General to prosecute and arrest Snyder and called for a thorough FBI investigation over his handling of the Flint water crisis. Rachel Maddow, MSNBC, reported the responsibility for the tragedy falls to Governor Snyder. They have emailed Maddow inviting her to attend the rally. All of this media exposure creates the potential for attendance by groups with divergent views or lone wolf individuals who seek to engage in destruction of property, assault, or other types of crimes which may potentially result in incidents at, or associated with the event.

The MIOC will continue to monitor open source today for any threats and provide updates as any new information or suspicious activity connected to the event is located.

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Tuesday, January 12, 2016 11:52 AM
To: Sipes, Stephen (MSP)
Subject: FW: Coding for City of Flint Water Contamination incident

---

From: MSP-EOC-MDSP
Sent: Saturday, January 09, 2016 11:05 AM
To: Kapp, Gene (MSP)
Subject: FW: Coding for City of Flint Water Contamination incident

Captain,

The Index and PCA for this project are below. Please use this for any overtime or travel costs. Any costs incurred on straight time will come out of normal post operations.

Matt

From: Burger, Penelope (MSP)
Sent: Wednesday, January 06, 2016 1:18 PM
To: MSP-EMHSD-Division
Cc: MSP-SEOCOPSC; MSP-seocfgc; MSP-seoclgc
Subject: Coding for City of Flint Water Contamination incident

Good Afternoon:

For any **overtime hours** spent working in the SEOC with the City of Flint Water Contamination/Shortage event, please use the following coding:

Index 28900 with PCA 28670

Any **non-payroll** costs (travel, SEOC meals during activation, etc.) should be coded to:

Index 28900 with PCA 28671.

These codes are not yet active in DCDS but will be by the end of the week. Please let me know if you have any questions.

Thanks,
Penny

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police
Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, January 07, 2016 7:17 AM
To: Sipes, Stephen (MSP); Kish, Thomas (MSP)
Subject: FW: Drinking Water Crisis in Flint, Michigan, Prompts Federal Investigation - NBC News

Gene

From: Etue, Kriste (MSP)
Sent: 1/7/2016 7:09 AM
To: Kelenske, Chris (MSP); Gorski, Gary (MSP); Sands, Thomas (MSP); Kapp, Gene (MSP)
Subject: Drinking Water Crisis in Flint, Michigan, Prompts Federal Investigation - NBC News

FYI.

http://www.nbcnews.com/nightly-news/video/drinking-water-crisis-in-flint--michigan--prompts-federal-investigation-597142595942

Sent from my iPhone

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Monday, February 01, 2016 9:59 AM
To: Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP)
Subject: FW: First Trinity Church - Flint Water Rally

Importance: High

FYSA...

I have a call into the Sheriff about lodging of protestors should it come to that.. also, we wanted to loop in the prosecutor's office on it just in case. With the emergency declaration by the Governor, isn't there some statutory accommodation included for the arrest of protestors?

From: Dehner, Amy (MSP)
Sent: Monday, February 01, 2016 9:56 AM
To: Bempong, Akosua (MSP); Furnish, Nicole (MSP)
Cc: Kish, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP)
Subject: First Trinity Church - Flint Water Rally
Importance: High

Good morning Ladies,

We received unconfirmed information via the local EOC that a water rally is being planned for this morning at First Trinity church in Flint, where both Jesse Jackson and Russell Simmons are scheduled to attend. In addition, the information provided indicated that this may also be linked to the novement and that individuals in attendance may purposefully engage in civil unrest in an attempt to be arrested by law enforcement.

base

-Amy

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Sunday, January 17, 2016 8:32 PM
To: Luty, Christopher (MSP); Simon, David (MSP); Mapes, Todd (MSP); Sims, Shannon (MSP)
Subject: FW: Flint water emergency EOC SITREP
Attachments: Sunday evening MSP Flint EOC SITREP 1800 HRS January 17 2016.docx

Sent from my Windows Phone

From: Young, Patrick (MSP)
Sent: 1/17/2016 7:29 PM
To: Kish, Thomas (MSP)
Cc: Pummill, Paul (MSP); Dehner, Amy (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP); Sparks, Keith (MSP)
Subject: Flint water emergency EOC SITREP

The evening SITREP is attached.

Lt. Patrick Young
Assistant Post Commander
Michigan State Police
Flint Post #35
Flint, Michigan 48532
Post: (810) 732-1111

Fax: (810) 732-5306

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/17/2016 1900 HRS

Prepared by Lt. Patrick Young

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Community Service Commission, and the Michigan Army National Guard.

ACTIVITY SUMMARY:

- Distribution teams totaling roughly 104 volunteers have returned to the EOC and or left for the evening. This does not include personnel from the MSP, MDOC, GCSO, or truck drivers.
- We are currently coordinating loading procedures for 15 trucks.
- 22 iPad have been turned back in, secured in the EOC and are charging for tomorrow's mission.
- Gas cards have been obtained to resolve local level re-fuel issues of distribution vehicles.
- It has been reported that the 10 ARC teams have returned and are clear.
- The ARC is reporting 1732 residential contacts for the day.
- The numbers for this day's residential contacts for MSP/GCSO have yet to be determined.

SAFETY ASSESSMENT:

Local access shows 13 Degrees Fahrenheit with a light wind. The streets are icy in spots. The National Weather Service reports are being monitored.

NEXT ANTICIPATED SITREP PUBLISH TIME:

1000 HRS 01/18/2016 from Lt. Patrick Young.

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Thursday, February 11, 2016 9:11 AM
To: Sipes, Stephen (MSP)
Subject: FW: Flint Water March

Importance: High

Uh oh.

From: Bempong, Akosua (MSP)
Sent: Thursday, February 11, 2016 9:09 AM
To: Kish, Thomas (MSP); Dehner, Amy (MSP); Young, Patrick (MSP)
Cc: Furnish, Nicole (MSP)
Subject: Flint Water March

I just saw this:

Details on water crisis march with Jesse Jackson, Greg Mathis in Flint

FLINT, MI -- Several organizations are expected to come together Friday, Jan. 19 for a mile-long national march organized in part by Rev. Jesse Jackson to highlight the push for clean water in Flint.
Pastor Alfred Harris, president of the Concerned Pastors for Social Action Group, said the **march will begin at 11 a.m. Friday, Feb. 19 at the Metropolitan Baptist Tabernacle, 930 E. Myrtle Ave.**
The roughly one-mile march will run from Myrtle, up Industrial Avenue, east on Stewart Avenue, and end at the Flint Water Plant, 4500 N. Dort Highway.
Jackson announced during a Feb. 2 press conference on a class-action lawsuit seeking $150 million to help refund water bills and repair infrastructure that a "major national march" was in the works.

Organizations involved in the planned march include Jackson's Rainbow PUSH Coalition, the Michigan Legislative Black Caucus, and the Concerned Pastors group.
Jackson has appeared at several recent events in Flint, including a Jan. 17 rallyduring which he called a "disaster zone" and a "crime scene."
He said he's been in contact with Doctors Without Borders to have every home in the city tested and is working on a "broad-based coalition" for action that includes the concerned pastors and Water You Fighting For? groups.
Jackson is expected to be in attendance at the march, along with Judge Greg Mathis who made a Jan. 30 stop at Quinn Baptist AME Church to chat with resident about their legal rights concerning the water crisis.

Harris previously said the group is partnering up with Jackson who will be with them "shoulder to shoulder" in the days ahead.
"What we want to do, we want to go from bottled water to pipes to restoration," he said. "We want the citizens of Flint to be restored in all aspects of their lives."

I just checked the websites and social media of the three main groups (RPC, MLBC and CPSA) and none of them have put anything up about the march yet. I will continue to monitor this and forward any pertinent information.

Koko

AKOSUA BEMPONG
Intelligence Analyst (Flint, MI)
Intelligence Operations Division
Michigan State Police
333 S. Grand Ave
Lansing, Michigan 48933

Fax: 810-237-6969

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 1:10 PM
To: Sipes, Stephen (MSP); Kapp, Gene (MSP)
Subject: FW: Flint Water OIC for Friday 1/22

Heads up on the latest.. it appears as though we may need to pull some outside troops if they push the guard troop total to on Thursday, unless we want to use "floating" security going between a WRT or two... we are only looking at or more uniforms with the added ANG troops.

From: Dehner, Amy (MSP)
Sent: Tuesday, January 19, 2016 12:49 PM
To: MSP-EOC-MDSP; Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Clear on those responses –

Our ground and mapping personnel are asking if it is possible to have the NG assemble at the EOC, instead of the warehouse, tomorrow morning? Operationally, it is easier for our mapping personnel, the team leaders, and tech section, to stage the delivery trucks here in the morning, and push out from the EOC. We seem to run into last minute logistic issues that require iPad fixes, and/or map route re-draws, and it is more helpful to be able to address those issues here, rather than going to another facility where we can't have direct access to all of our personnel in the morning.

Also, if we anticipate going past Friday, we made need to have another request for personnel generated by the SEOC as our current plan is only projected through Friday the 22nd.

From: MSP-EOC-MDSP
Sent: Tuesday, January 19, 2016 12:39 PM
To: Dehner, Amy (MSP); Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Answers are starred below

- Will this require us to supply dinner to the volunteers/distribution teams? Currently, we are supplying only lunch.
**We will need to feed our personnel and Logistics can add meals to the Local EOC dinner plan. The guard is eating on the economy.

- The GCSO advised that they are at minimum staffing with our current distribution model. If we push to delivery after 1700HRS, they CANNOT assist us outside of supplying . This includes personnel that staff the mapping operations, which has been critical to our success to this point.
**We are discussing having the Guard shift be strictly 1300-2100 with ARC covering the normal day shift. If we switch to this model, we will need to provide staff for 18 teams, 1300-2100. Day shift teams will continue for the Red Cross as current (no MSP or GCSD staff).

- Is the number of National Guard soldiers anticipated to be TOTAL for the day, or soldiers per shift? We have enough projected staffing through the Flint Post to support up to soldiers, (1 marked unit per team) working

12 hour shifts through Friday January 22nd. We don't have resources in place past that point. Anything past bodies will require that we seek staffing outside of Post resources.
** Beginning on Thursday, the Guard will be providing solders for WRT detail and command staff. teams of

- Will the data for residences that show as "no answer" be produced by the SEOC, prior to Thursday so that we have an opportunity to pre-plan distribution routes?

**I am submitting a MiCIMS resource request to GIS for this right now. The resource request number is SEOC – 8951057
Resource request is for the following:
Please prepare a GIS Map for Water Response Team use with the following layers:
Ward/Precinct
"Homes Visited" Resource delivered
Homes Visited, but "No Answer"

From: Dehner, Amy (MSP)
Sent: Tuesday, January 19, 2016 11:52 AM
To: MSP-EOC-MDSP; Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

One more thing, sorry:

- Will the data for residences that show as "no answer" be produced by the SEOC, prior to Thursday so that we have an opportunity to pre-plan distribution routes?

From: MSP-EOC-MDSP
Sent: Tuesday, January 19, 2016 11:39 AM
To: Dehner, Amy (MSP); Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

I will begin working on answers to the bullets and advise.

From: Dehner, Amy (MSP)
Sent: Tuesday, January 19, 2016 11:37 AM
To: MSP-EOC-MDSP; Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Julin is , Mapes is

A couple of things worth mentioning for planning to move to a 2 shift concept on Thursday:

- Will this require us to supply dinner to the volunteers/distribution teams? Currently, we are supplying only lunch.
- The GCSO advised that they are at minimum staffing with our current distribution model. If we push to delivery after 1700HRS, they CANNOT assist us outside of supplying . This includes personnel that staff the mapping operations, which has been critical to our success to this point.
- Is the number of National Guard soldiers anticipated to be TOTAL for the day, or soldiers per shift? We have enough projected staffing through the Flint Post to support up to soldiers, working 12 hour shifts through Friday January 22nd. We don't have resources in place past that point. Anything past 150 bodies will require that we seek staffing outside of Post resources.

From: MSP-EOC-MDSP
Sent: Tuesday, January 19, 2016 11:06 AM
To: Kish, Thomas (MSP)

Cc: Dehner, Amy (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Okay.

We will adjust our schedule here.

Can I get contact #s for Julin and Mapes?

I have the following for Sims and Luty, please advise if they are incorrect:
Sims -
Luty ?

Finally, FYSA: we are working on modifying the hours of operation starting on Thursday. Right now, we are considering a two shifts, the normal shift we have been running (0800-1700) and an afternoon shift of 1300-2100. Please advise if we will be able to support the guard for this shift. We still need to figure out the number of teams on each shift.

I'm open to suggestions.

Matt

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 10:53 AM
To: MSP-EOC-MDSP
Subject: Flint Water OIC for Friday 1/22
Importance: High

A correction for this Friday, F/Lt. Chris Luty, West Branch PC will be the OIC at the Genesee County EOC. I had previously reported it would be F/Lt Dave Simon Tri-City PC which is not accurate.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Tuesday, January 12, 2016 3:59 PM
To: Sipes, Stephen (MSP)
Cc: Pummill, Paul (MSP); Dehner, Amy (MSP); Young, Patrick (MSP)
Subject: FW: FPD Response for water related issues

FYI on FPD availability.

From: James Tolbert [mailto:jtolbert@cityofflint.com]
Sent: Tuesday, January 12, 2016 3:15 PM
To: Kish, Thomas (MSP)
Subject: FPD Response for water related issues

Tom,

Just t/t the City Administrator and Finance Director, there are no overtime funds available to dedicate FPD personnel to escort water deliveries. I can use personnel from our Inside/Out detail which is once a month, (next I/O is February). Additionally, can we set up a process that if a water location calls for assistance (unruly people) and we cannot response FPD can contact an MSP supervisor to respond?

--
JAMES W. TOLBERT
Chief of Police
City of Flint, Michigan
210 E. 5th Street
Flint, Michigan 48502

Work: 810-237-6868
Fax: 810-237-6960
Email: jtolbert@cityofflint.com

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Tuesday, January 12, 2016 7:00 AM
To: Kish, Thomas (MSP); Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP)
Cc: Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Pennell, Ryan (MSP); Kaiser, David (MSP)
Subject: FW: Info for Flint troopers
Attachments: image003.png; ATT00001.htm; Flint Memo.docx; ATT00002.htm

Tom

Not sure who you have specifically handling this task. As the Lt. Colonel asks please make sure the troops assigned know there mission.

Thanks
Gene

From: Sands, Thomas (MSP)
Sent: Monday, January 11, 2016 9:56 PM
To: Kapp, Gene (MSP)
Subject: Fwd: Info for Flint troopers

We wanted to make sure the troopers in Flint knew what MSP was doing in case they were asked by the public.

Are we missing anything?

Sent from my iPhone

Begin forwarded message:

> **From:** "Banner, Shanon (MSP)" <BannerS@michigan.gov>
> **Date:** January 11, 2016 at 5:43:19 PM EST
> **To:** "Sands, Thomas (MSP)" <SandsT@michigan.gov>
> **Cc:** "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Lisabeth, Nicole (MSP)" <LisabethN@michigan.gov>, "Zarotney, Greg (MSP)" <ZarotneyG@michigan.gov>, "Brown, Tiffany (MSP)" <BrownT22@michigan.gov>
> **Subject: Info for Flint troopers**
>
> Lt. Colonel Sands,
>
> In follow-up to your discussion with Colonel Etue regarding resources/explanation for Flint Post troopers, the attached memo was posted on Official Correspondence late today. In addition to explaining the department's role in this emergency, there is a link to a flyer that is being distributed to Flint residents, as well as the state website that contains all resources and updates for this emergency.
>
> Please let me know if you need anything else.
>
> –Shanon
>
> Sincerely,
>
> Shanon Banner
> Manager, Public Affairs Section

Office of the Director
Michigan State Police
517-241-0955

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UD-040 (10/02)
MEMORANDUM

STATE OF MICHIGAN
DEPARTMENT OF STATE POLICE

DATE: January 11, 2016

TO: Department Members

FROM: Col. Kriste Kibbey Etue, Director

SUBJECT: Activation of State Emergency Operations Center

On January 5, Gov. Rick Snyder declared a state of emergency for Genesee County due to the ongoing health and safety issues caused by lead in the city of Flint's drinking water. By declaring a state of emergency, Governor Snyder has made available all state resources in cooperation with local response and recovery operations.

The declaration authorizes the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) to coordinate state efforts. In addition, Governor Snyder activated the State Emergency Operations Center (SEOC) to coordinate the action's of state departments in the state's response and recovery efforts.

The SEOC is the emergency operations center for the state of Michigan and is overseen by the MSP/EMHSD. The SEOC is supported by staff from MSP/EMHSD and staffed by members of state agencies and other partners for decision making and information coordination during disasters or emergencies in the state of Michigan.

On January 6, a State of Michigan Joint Information Center (JIC) was also established to lead the state's messaging and information response in support of the SEOC and in coordination with the Genesee County Emergency Operations Center and the City of Flint.

Going forward, to better coordinate the health and safety of the residents of Flint and to ensure they are aware of and have access to the resources available within their community, the SEOC will serve as a central point of coordination between the local and state response efforts.

The state of Michigan is working in full partnership with the Flint Water Advisory Task Force, all levels of government and water quality experts, to find both short-term and long-term solutions to ensure the health and safety of Flint residents.

As a resource, an informational flyer can be found here. For updates and additional information, visit www.mi.gov/flintwater.

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Friday, January 15, 2016 3:45 PM
To: Sims, Shannon (MSP); Mapes, Todd (MSP); Simon, David (MSP); Luty, Christopher (MSP)
Subject: FW: MSP Flint EOC SITREP
Attachments: How to UNZIP.html; SecureZIP Attachments.zip

FYI

From: Dehner, Amy (MSP)
Sent: Friday, January 15, 2016 1:59 PM
To: Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP)
Cc: Pummill, Paul (MSP); Young, Patrick (MSP); Kish, Thomas (MSP); Sparks, Keith (MSP)
Subject: MSP Flint EOC SITREP

Attached, please find the mid-day SITREP for the Flint Water Crisis.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/15/2015 1400 HRS

Prepared by Lt. Amy Dehner

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Public Service Commission, Michigan Army National Guard

ACTIVITY SUMMARY:

- MSP/DHHS/GCSO Distribution teams) continue to conduct operations in 5th and 7th Wards; this is an increase in 2 teams from Thursday's model and was a decision made on the ground this morning due to an unanticipated increase in personnel and distribution vehicles
- Supply issues continue to remain a challenge with maintaining water on distribution vehicles due to a supply conflict with firehouses.
- iPad issues related to a technology upgrade prevented the real time capture of data for the first 2 hours of operation. This information was captured by hand, and will need to be manually uploaded.
- Gas cards have been obtained to resolve local level re-fuel issues of distribution vehicles.
- Volunteer (state employees) numbers are at apx. 50-75 personnel for Saturday, Sunday and Monday. The expected hard numbers will be passed down by the SEOC this evening. At present, we have sufficient trooper and deputy staffing to meet these anticipated numbers.

SAFETY ASSESSMENT:

MCU reported a non-fatal shooting in the area of Tuxedo and Alvord Streets in the City of Flint at around 10am. This was passed to distribution teams, who advised they we all working a significant distance from this south part of the City.

NEXT ANTICIPATED SITREP PUBLISH TIME 01/15/2016:

1700 HRS 01/15/2016 / by Relief Officer, Lt. Pat Young

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Wednesday, January 13, 2016 9:26 PM
To: Kish, Thomas (MSP); Sipes, Stephen (MSP)
Subject: FW: MSP Resource Request - Flint Water Response Teams

Tom Steve

FYI

Gene

From: Kelenske, Chris (MSP)
Sent: 1/13/2016 9:10 PM
To: Sands, Thomas (MSP)
Cc: Kapp, Gene (MSP)
Subject: RE: MSP Resource Request - Flint Water Response Teams

I discussed with Matt Bolger and Mike Johnson and we are on the same page. The only thing that all need to be aware of is I anticipate ramping up the teams significantly as logistics can support. We will likely need to add a layer between the MSP WRT Commander and field commanders – that would probably be an ARC lead, A State Agency lead, Other volunteer lead, and a County lead so the WRT commander has good span of control. I am thinking we could get to the point where we have s (best case scenario).

The WRT commander can figure that out but I am good with this - MSP needs to coordinate all the teams sir.

Chris

From: Sands, Thomas (MSP)
Sent: Wednesday, January 13, 2016 8:21 PM
To: Kelenske, Chris (MSP)
Cc: Kapp, Gene (MSP)
Subject: Fwd: MSP Resource Request - Flint Water Response Teams

Chris,

I just want to make sure you are in the loop and support transferring these duties to FSB. I will approve with your support.

Thanks.

Tom

Sent from my iPad

Begin forwarded message:

> **From:** MSP-EOC-MDSP <MSP-EOC-MDSP@michigan.gov>
> **Date:** January 13, 2016 at 7:56:20 PM EST
> **To:** "Kapp, Gene (MSP)" <KappG@michigan.gov>

Cc: "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Kelly, David (MSP)" <KellyD@michigan.gov>, "Bolger, Matt (MSP)" <BolgerM@michigan.gov>, "Shaw, Jim (MSP)" <ShawJ@michigan.gov>, "Sands, Thomas (MSP)" <SandsT@michigan.gov>
Subject: MSP Resource Request - Flint Water Response Teams

Capt. Kapp,

Per our discussion, the SEOC has requested MSP FSB coordinate and manage the Flint Water Response Teams for the City of Flint-Water Contamination / Shortage incident. The POC at the EOC is Ms. Michelle Kuzera, she will be able to assist with any questions or concerns. MSP FSB will be responsible for the following:

- Establish a Water Response Team Commander for all team operations.
- Coordinate and manage Water Response Team structure.
- Coordinate and manage Water Response Team resources.
- Coordinate walking routes with concentration in the most hazardous lead level areas.
- Coordinate logistics for Water Response Teams.
- Coordinate iPad distribution and tracking.
- Coordinate and integrate with state, county, and local personnel as well as volunteers assigned to work on Water Response Teams.
- Coordinate and manage team security with MSP and County personnel.
- Determine hours of operation based on assessment of area, hours of daylight, and any other safety information pertinent to operations.
- Coordinate with Sheriff's department resources.
- Staff each team with the appropriate number of MSP enlisted personnel for security purposes.
- Provide a daily report of all activities to include best practices and issues or concerns.
- Attend the 9:30 am and 4:30 pm SEOC briefings via conference call as well as any other conference calls necessary to complete the above mission.

In addition to the above Water Response Team objectives MSP FSB is still responsible for all previously assigned tasks and functions.

Please feel free to contact me if you have any questions regarding this assignment. Please forward the contact information of the commander you have identified for this mission as well as a schedule for staffing this position once it has been assigned and established.

Insp. Matt Bolger

F/Lt. Mike Johnson

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 19, 2016 3:42 PM
To: Kapp, Gene (MSP)
Subject: FW: MSP Troopers for Water Emergency

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 3:36 PM
To: Sipes, Stephen (MSP)
Subject: FW: MSP Troopers for Water Emergency

FYI Inspector.. thoughts?

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 3:35 PM
To: Bolger, Matt (MSP)
Subject: RE: MSP Troopers for Water Emergency

I'm clear on that boss. But how many could there be? Seems to me that we could target those residences by our scheduled patrols if need be. Plus, it is getting dicey after dark, particularly up north. I am suggesting we not modify the schedule for the few when we have already addressed the many.

From: Bolger, Matt (MSP)
Sent: Tuesday, January 19, 2016 3:30 PM
To: Kish, Thomas (MSP)
Cc: Dehner, Amy (MSP)
Subject: RE: MSP Troopers for Water Emergency

I'll bring it up with the team in the SEOC.

The line of thinking is:
"If we stopped by the home during the day shift and no one was home, and we are looking for a different result, we should try a different time of day."

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 3:17 PM
To: Bolger, Matt (MSP)
Cc: Dehner, Amy (MSP)
Subject: MSP Troopers for Water Emergency

Inspector,

With the (proposed)deployment schedule moving to an afternoon shift, this will have significant impacts upon trooper availability for the water emergency from our post. Is this a necessary change? Is it possible to spot check residences on an "as needed" basis on an afternoon shift? We could probably make that accommodation. At this point, I'm not sure that completely changing the schedule that has been so effective up to this point is really necessary.

F/Lt. Thomas Kish

Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

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Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Tuesday, January 12, 2016 5:31 PM
To: Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP)
Subject: FW: MSP Water Distribution Operation - AAR

Updates..

From: Dehner, Amy (MSP)
Sent: Tuesday, January 12, 2016 5:27 PM
To: MSP-EOC-MDSP
Cc: Pummill, Paul (MSP); Kish, Thomas (MSP); Sparks, Keith (MSP); Young, Patrick (MSP)
Subject: MSP Water Distribution Operation - AAR

I'm sure after action reports are probably being done within the SEOC, but for what it is worth, a quick snapshot of today's day one operations may be beneficial for the higher planning to put more boots on the ground in Flint in the coming days, so here it goes:

Mission:
teams (40 DHHS employees), supported by and marked Sheriff units, and (2) 24' UHaul trucks, conducted water filter delivery operations within the 43rd precinct, beginning at apx 1030 HRS, and ending at 1700 HRS today. The target for today was 150 houses, however final data was not available at the time of publish.

Recommend to Sustain on 1-13-16:
-- Continued use of UHaul type trucks. They are low to the ground, easy to load and more important, to off-load. Easily maneuvered on city streets, especially given poor road conditions, and parked/disabled vehicles on city side streets. DTMB trucks are at a height that makes accessing cargo difficult, and puts volunteers at risk of injury clearing the 5' high box entry.

--iPads and in car mobile terminals. (8) iPads supplied by the City and used by DHHS, made real time data uploads possible and gave a more accurate depiction of ground operations. The ability to push GIS mapping material to troopers vehicles via email facilitated their abilities to make on the ground changes with routes, without having to coordinate through the EOC directly.

--Coordinated efforts with Deputies. A GCSO Lt and Captain on the ground and in the EOC were integral in helping us quickly put together a delivery system that was efficient, and allowed us to skip past obstacles they had already encountered in their previous day's work. In addition, it was GCSO that secured the UHaul trucks for us to use.

--Maintaining a large, central distribution point. This makes it easy to get trucks, vehicles, and supplies in and out very quickly.

As a side note, the delivery model used today was 1 UHaul truck, 20 DHHS personnel, and
: per street, and we covered 2 streets at a time. DHHS doubled up going door to door (this was an internal decision made by them). If we were using only law enforcement, we could reduce this number to 10 volunteers per truck, but lower than that would slow down progress, more than 20 would just result in people getting in each other's way, and would make transporting them difficult, not to mention clogging up the street with

transport vehicles (which happened today). We used the Sheriff's bus to move volunteers instead of their SUVs because the number of vehicles ended up creating congestion issues on the streets we were delivering on.

Recommend to consider changing on 1-13-16:

--Use of DTMB box trucks (see above). Securing more UHaul type trucks would speed up loading and off-loading.

--We can sustain meals from the EOC for the 60 personnel involved today. More than that is going to require an outside source.

--Using less vehicles to transport volunteers. We used the GCSO bus today, and can continue that until Sunday, however a central transportation unit seems to work best at this point, not individual SUVs for each 4 person team.

Sent from my iPad

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 19, 2016 3:27 PM
To: Kapp, Gene (MSP)
Subject: FW: NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday

BAM!

From: gongwerreports@gongwer.com [mailto:gongwerreports@gongwer.com]
Sent: Tuesday, January 19, 2016 3:18 PM
To: Michigan_State_Employees_updates@gongwer.com
Subject: NEWS UPDATE--$28M Flint Supplemental Expected In House Approps Wednesday

Tuesday, January 19, 2016, 03:17 PM

$28M Flint Supplemental Expected In House Approps Wednesday

A $28 million supplemental to fund various Flint needs as it continues to work through its ongoing water crisis is expected to be taken up in the House Appropriations Committee on Wednesday.

Budget Director John Roberts formally submitted today the requested supplemental to the chairs of the House and Senate Appropriations committees.

The supplemental would provide funding for various initiatives, according to information obtained by Gongwer News Service. In total, the supplemental is $28.03 million with $22.63 million from the General Fund.

It would provide:

- $935,000 in General Fund dollars for hiring nine additional school nurses and two Early On service coordinators, a psychologist and a health professional to coordinate the provision of wrap around services. The funds would also provide fresh fruit and vegetables to the Genesee Intermediate School District;
- $5.79 million from the General Fund for an infrastructure integrity study to assess the status of the Flint water system and additional lab and testing costs in the Department of Environmental Quality. The funds would also assist the city in paying for corrosion control procedures for one year and potentially help with utility issues and water system needs;
- $17.2 million ($2.85 million in federal, $2.55 million in state restricted revenues and $11.8 million in General Fund revenues) to help with purchasing of bottled water, water filters and replacement cartridges; Department of Health and Human Services field operations costs; epidemiological analysts and case management of those with elevated lead blood levels; nutrition support; support for child and adolescent health centers; assessment of potential links to other diseases; food inspections and crisis counseling;

- $2 million in General Fund for emergency efforts related to the water system, specifically purchasing and replacing plumbing fixtures in schools, child care and adult foster care centers, nursing homes, dialysis centers and surgery centers in the city;
- $2 million in General Fund dollars to address immediate needs, including paying for the National Guard's role in providing support for three months; and
- $100,000 in General Fund dollars for the Flint Water Interagency Coordinating Committee.

It was also indicated this would be the first of multiple supplemental appropriations to address the ongoing crisis in Flint.

Gongwer News Service will have more on this story in Tuesday's Michigan Report.

Please send all correspondence to gongwer@gongwer.com This mailbox is not regularly monitored.

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Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Thursday, February 04, 2016 3:10 PM
To: Sipes, Stephen (MSP)
Subject: FW: Publicly posted email - FLINT WATER
Attachments: Wurfel-to-Hollins-Email-Legionnaires_Published_2-4-2016.pdf

All:

For your situational awareness. An email has been posted publically purporting to show that Harvey Hollins, a principal advisor to Governor Snyder, was aware of an uptick in Legionnaires disease in Genesee County and that a county health official was attributing the cases directly to the Flint River as the source of drinking water in Flint.

Thelen, Mary Beth (DEQ)

From:	Wurfel, Brad (DEQ)
Sent:	Friday, March 13, 2015 6:49 PM
To:	Hollins, Harvey (GOV)
Cc:	Wyant, Dan (DEQ)
Subject:	Part II
Attachments:	FOIA Request Flint Water.doc
Importance:	High

OK D-

This is the second issue I mentioned earlier today.
In December, our staff became peripherally aware that the hospitals in Genesee were seeing an uptick in Legionnaires cases.

Legionnaires is a water-borne illness. It essentially is a type of pneumonia caused by a bacteria. It is treated with antibiotics. Untreated, it can be deadly. It most often manifests in nursing homes and assisted living facilities, because the transmission is through water vapor getting into lungs – via air conditioners, vaporizers or low-flow shower heads that produce a lot of misting. You can drink water with this bacteria in it and not get sick – it has to enter the lungs in vapor.

I don't have any details on the cases, but here is what I understand to this point:

- More than 40 cases reported since last April. That's a significant uptick – more than all the cases in the last five years or more combined.
- April / May is usually the start of Legionnaires season – it proliferates in warmer months – but April also is the point at which the city switched to the Flint River as a source.
- County Health Departments are supposed to perform epidemiological tracebacks on all confirmed cases of this disease, to locate the source and address it. Genesee County Health had not done this work as of November. At a January meeting with area hospitals, MDCH, DEQ and others, Nick Lyon reportedly directed the county health folks, in terms not uncertain, to get this done as a priority. As I'm sitting here today, it still is not done to my knowledge.
- My counterparts at MDCH informed me today that they cannot step in unless they are invited or unless the outbreak is multi-county. They've not been invited until, I believe, today. That may be in part because of the email string and letter I've enclosed here, which was unknown to MDCH until I shared it over to them.

The email thread below is best read bottom-to-top, and read prior to reading the enclosed FOIA to the city.

Essentially, Jim Henry with Genesee County Health is putting up the flare. He's made the leap formally in his email that the uptick in cases is directly attributable to the river as a drinking water source – this is beyond irresponsible, given that is his department that has failed to do the necessary traceback work to provide any conclusive evidence of where the outbreak is sourced, and it also flies in the face of the very thing a drinking water system is designed to do.

DEQ did not receive this FOIA, which appears designed to buttress his position in the email -- that sections of the water delivery system may be harboring this bacteria. We think it would be highly unlikely that anything would be found around the plant, where the water is treated. Most often, this bacteria forms at the building / residential point in the system. Legionnaires is NOT among the 90 water contaminants screened in the Safe Drinking Water Act, but in the absence of action by county health, our staff are now considering taking samples from various points in the system and working with DCH's lab to test for it, if for no other reason than to rule it out.

Regardless, the accusation is serious and the nature of the communication leaves me thinking we would be advantaged to bring together all the agencies asap to share what information we have and develop a response / screening strategy before the weather gets warm again.

I realize these are long emails. Thanks for your patience.
b

Brad Wurfel
Communications Director
Michigan Department of Environmental Quality
517-284-6713

From: Shekter Smith, Liane (DEQ)
Sent: Thursday, March 12, 2015 8:41 AM
To: Wurfel, Brad (DEQ); Sygo, Jim (DEQ); Howes, Sarah (DEQ)
Cc: Shaler, Karen (DEQ); Benzie, Richard (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ)
Subject: FW: Information Request and Documentation
Importance: High

The district received this late Tuesday.

Steve Busch has indicated that the district has not received a meeting request from Jim Henry or the Genesee County Health Department as indicated in his email below.

The FOIA is specifically directed to the City of Flint not the DEQ.

While the change in source may have created water quality conditions that could provide additional organic nutrient source to support legionella growth, there is no evidence or confirmation of legionella coming directly from the Water Treatment Plant or in the community water supply distribution system at this time.

Seems like the next step is to communicate with DCH and possibly develop a joint strategy/response. Not sure who in Exec wants to take the lead on this. Steve Busch and Mike Prysby will continue to be lead for us on this. They have been in contact with DCH recently but only to learn that little progress has been made in identifying a source or sources for the illnesses.

EMAIL FROM DEQ TO HENRY SENT THIS AFTERNOON:

Mr. Henry,

The January 27, 2015, FOIA request you provided was directed to the City of Flint, not the DEQ. The DEQ has no record of a FOIA request from your office for such information. It is our understanding that the City has responded to your FOIA request, has helped you adequately redefine your request within the City's scope of public record to address such ambiguities as "any additional areas of concern", and provided you with additional information beyond the scope of your request.

The DEQ fully recognizes the public health threat posed to individuals that contract Legionnaires' Disease with the understanding that the disease is not contracted by ingestion of potable water and therefore not regulated under the federal Safe Drinking Water Act. Your email below claims that you have explicitly explained the situation to our Department. However, since contacting our office early last October to indicate a rise in cases, we have not received any further information regarding your epidemiological investigation into this matter.

Further, conclusions that legionella is coming from the public water system without the presentation of any substantiating evidence from your epidemiologic investigation appears premature and prejudice toward that end.

It is highly unlikely that legionella would be present in treated water coming from the City of Flint water treatment plant given the treatment plant's use of ozone along with complete treatment and chlorine disinfect contact time to comply with federal surface water treatment rules for potable water. Detections of total coliform or heterotrophic bacteria in the City's public water distribution system indicate an environment where bacterial growth may be supported. However, there is no direct correlation that can be made to the presence of legionella. While total organic carbon levels in potable water may serve as a food source for bacteria growth in private plumbing system, water temperatures in the City's distribution system are below legionella growth range, and chlorine residual levels would also limit such growth.

Our office agrees that water main breaks, water leaks, and system repairs are possible vectors for legionella to enter the public water system. These should be investigated as part of your epidemiology. DEQ staff can be made available to assist GCHD and the City regarding such matters, but to date no request by GCHD for any such meeting has been received, let alone declined as alleged in your email.

If GCHD is seeking assistance to complete its epidemiological investigation regarding this matter, such resource requests should be directed to the Michigan Department of Community Health. Our Office agrees that a multi-agency partnership would be beneficial to move forward and develop a unified response. In that respect, if our Office can be of any further assistance you may contact me directly.

Stephen Busch, P.E.
Lansing and Jackson District Supervisor
Office of Drinking Water and Municipal Assistance
MDEQ
517-643-2314

From: "Henry, James" <jhenry@gchd.us>
Date: March 10, 2015 at 6:40:17 PM EDT
To: Howard Croft <hcroft@cityofflint.com>, "Mike Prysby (DEQ)" <prysbym@michigan.gov>, Elizabeth Murphy <emurphy@cityofflint.com>, "Natasha Henderson" <nhenderson@cityofflint.com>, Jerry Ambrose <gambrose49@gmail.com>, Dayne Walling <dwalling@cityofflint.com>
Cc: "Valacak, Mark" <MVALACAK@gchd.us>, "Cupal, Suzanne" <scupal@gchd.us>, "Hasan, Shurooq" <shasan@gchd.us>, "Childs, Bonnie" <BCHILDS@gchd.us>, "Hallwood, Dawn" <dhallwood@gchd.us>, "Johnson, M.D., Gary" <GJOHNSON@gchd.us>
Subject: Information Request and Documentation

Hello everyone,

The Genesee County Health Department has made several written and verbal requests for specific information since October, 2014, including a Freedom of Information Act Request on January 27, 2015. The information still has not been received and the city's lack of cooperation continues to prevent my office from performing our responsibilities.

The Genesee County Health Department has the responsibility to conduct illness investigations and consider all potential sources, this is not optional. In 2014, Genesee County experienced a significant increase of confirmed Legionella illnesses relative to previous years. Legionella can be a deadly, waterborne disease that typically affects the respiratory system.

The increase of the illnesses closely corresponds with the timeframe of the switch to Flint River water. The majority of the cases reside or have an association with the city. Also, McLaren Hospital identified and mitigated Legionella in their water system. This is rather glaring information and it needs to be looked into now, prior to the warmer summer months when Legionella is at its peak and we are potentially faced with a crisis.

This situation has been explicitly explained to MDEQ and many of the city's officials. I want to make sure, in writing that there are no misunderstandings regarding this significant and urgent public health issue. The Trihalomethane issues "pale in comparison" to the potential public health risks of Legionella.

I am submitting the attached FOIA request again and requesting that the legal obligations of the request are met. If the information is not available, please let me know. In the past, I have requested to meet with the water plant staff and MDEQ regarding Legionella concerns. I did not receive a response from the water plant staff and MDEQ declined. I think it is in the best interest for all stakeholders that we meet and discuss the issues.

Respectfully,

Jim

Jim Henry
Jim Henry RS, MBA
Environmental Health Supervisor
Genesee County Health Department www.gchd.us
630 S. Saginaw St., Suite 4
Flint, MI 48502-1540
Phone (810) 257-3618 Fax (810) 257-3125
E-mail jhenry@gchd.us

Genesee County Health Department

Mark Valacak, M.P.H., Health Officer
Gary K. Johnson, M.D., M.P.H., Medical Director

January 27, 2015

FOIA Coordinator, City of Flint
1101 S. Saginaw Street, 3rd floor
Flint, MI 48502

RE: Flint Water Plant Information Request

Dear FOIA Coordinator,

Under provisions of the Michigan Freedom of Information Act (MCLA 15.231 et seq; MSA 4.1801 (1) et seq) please provide copies of the following:

Provide specific water testing locations and laboratory results within the City of Flint public water system for Coliform, E-coli, Heterotrophic Bacteria and Trihalomethanes from January 1, 2010 to January 27, 2015. Provide any additional water testing that has been conducted for identifying potential public health risks. Include any available mapping of the water testing areas.

Provide a map delineating the boundaries of the City of Flint water distribution system. Include any changes to the boundaries, along with corresponding dates from January 1, 2014 to January 27, 2015.

Provide a map or list of locations, detailing dead ends, pooling, low pressure and any additional areas of concern within the City of Flint water distribution system. Include any modifications to the water distribution system addressing concerns, along with corresponding dates from January 1, 2014 to January 27, 2015.

If you determine that any of the requested information is exempt from disclosure, please detail what is being withheld and cite the exemption under FOIA. I anticipate the request being filled within five working days of receipt of this letter, as provided under FOIA. Please contact me at (810) 257-3618 if there are fees associated to comply with this request.

Sincerely,

Jim Henry

Jim Henry
Environmental Health Supervisor
Genesee County Health Department
630 S. Saginaw Street
Flint, MI 48502

Beckner, Jessina (MSP)

From: Budde, Brian (MSP)
Sent: Tuesday, January 26, 2016 12:54 PM
To: Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Sipes, Stephen (MSP); Kapp, Gene (MSP); Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-EOC-MDSP; Furnish, Nicole (MSP)
Subject: FW: Rachel Maddow - Flint Town Hall Meeting 1-27-2016
Attachments: OpenCarry_1-26-2016_1140am png; OpenCarry_1-26-2016-1140amMichiganMilitia jpg

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From: Taylor, Suzan (MSP)
Sent: Tuesday, January 26, 2016 12:47 PM
To: Budde, Brian (MSP)
Cc: Bempong, Akosua (MSP)
Subject: Rachel Maddow - Flint Town Hall Meeting 1-27-2016

Good Afternoon,

Tomorrow evening Rachel Maddow of MSNBC will host her show from Holmes School, 6602 Oxley Drive, Flint, Michigan. Guests of Maddow include Flint Mayor Karen Weaver, U.S. Senator Debbie Stabenow, Dr. Mona Hanna-Allisha of Hurley medical Center, and more. Two other events are scheduled in correlation to this show.

(I'm not aware how people have been selected to attend the show or if there will be an audience.)

I will continue to monitor open sources for new information.

Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

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Beckner, Jessina (MSP)

From: Furnish, Nicole (MSP)
Sent: Thursday, January 14, 2016 9:26 AM
To: Adams, Scott (MSP); Jaskulka, Lenny (MSP); Jones, Joseph (MSP); Smith, Robert (MSP)
Cc: Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Pennell, Ryan (MSP)
Subject: FW: Rally Today at Capitol - Flint Water Crisis

FYSA – negative sentiment on the MSP and National Guard presence in Flint. I will continue to monitor.

Nicole Furnish
Criminal Intelligence Analyst
Michigan State Police

Work: 810-733-9390

Fax: 810-733-9399

From: Budde, Brian (MSP)
Sent: Thursday, January 14, 2016 9:15 AM
To: Furnish, Nicole (MSP); Bempong, Akosua (MSP)
Cc: Nevin, Michael (MSP); Ames, Corey (MSP); Kluytman, Julie (MSP)
Subject: FW: Rally Today at Capitol - Flint Water Crisis

Nicole and koko

For your FYSA. MSP command already has been notified. Not for distribution nor media release.

> **Subject: Rally Today at Capitol - Flint Water Crisis**
>
> Good Morning,
>
> This morning the organizer indicated he has a head count of about 150 people coming from Flint, there are two groups caravanning to the Capitol. One group leaving around 9:30 and another around 10:00. He did not indicate how many, if any were coming from Detroit, Benton Harbor, Ecorse, or Allen Park. They do mention that "other brethren from across the state are meeting us!" . It appears this group wants to have a peaceful protest to express their opinions on the water crisis in Flint.

Also there is plenty of negative response to the Governor's comment yesterday at the Auto Show: ""Why the delay in calling FEMA?" for help with the Flint water crisis was the first question for Snyder before he began his journey around the auto show floor. "I'm here at the auto show today," he replied. "It's great to be at the North American International Auto Show. What a great way to showcase Detroit and Michigan." People are posting photographs of an envelope with Attorney Jeffrey Feiger's address as their response.

I will continue to monitor open source for any threats or suspicious postings. So far I haven't seen any evidence of counter protestors or any groups with a counter-view.

Thanks,

Sue

Beckner, Jessina (MSP)

From: Mapes, Todd (MSP)
Sent: Wednesday, January 13, 2016 8:51 AM
To: Sipes, Stephen (MSP)
Subject: FW: Revised: Volunteers needed for water resource teams in Flint

Sir,

Tpr. Mark Swales wanted to volunteer to assist the water resource team in Flint. He has my approval and is available 1/14/16 and 1/15/16. I have provided his information below. Please let me know if you need further.

Tpr. Mark Swales, swalesm@michigan.gov,

Thanks,

F/Lt. Todd C. Mapes
Post Commander
Michigan State Police, Caro Post
1485 Cleaver Rd
Caro, MI 48723
Phone: (989) 673-2156
Fax: (989) 673-1550.

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

From: Colonel Etue [mailto:MichStatePolice@govsubscriptions.michigan.gov]
Sent: Tuesday, January 12, 2016 4:39 PM
To: Mapes, Todd (MSP)
Subject: Revised: Volunteers needed for water resource teams in Flint

From The Desk Of | Col. Kriste Kibbey Etue
Providing Service With A Purpose

Note: Dates are January 14 and January 15.

The department is soliciting volunteers from within the department, both enlisted and civilian, to join water resource teams working to hand out bottled water, water filters, replacement cartridges, and water testing kits at homes in the city of Flint. This effort is part of the state's response to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

Teams are being assembled for shifts on Thursday, January 14 and Friday, January 15. Volunteers will begin their assignment in Flint at 9 a.m. and end by 4 p.m. Volunteers can be available for one or both days. Lunch will be provided.

Employees chosen for this assignment are considered to be working on-duty; this assignment would be considered their scheduled work day. Overtime or compensatory time is not authorized for this assignment.

Transportation will be provided using state vehicles; mileage reimbursement for personal vehicles is not authorized. Volunteers should dress for working outdoors and wear foot attire appropriate for walking.

Interested employees should obtain the approval of their supervisor. **Supervisors must forward the names of approved volunteers and their email addresses through the chain of command to bureau with the date(s) available by 1 p.m. tomorrow, Wednesday, January 13.**

Confirmation of selected employees, along with additional logistical details, will be made via email by 5 p.m. on Wednesday, January 13.

For questions, please contact Insp. Scott Marier at 517-373-7761.

This email was sent to mapest@michigan gov using GovDelivery, on behalf of. Michigan State Police · 333 S Grand Ave · P O. Box 30634 Lansing, MI 48933

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Sunday, January 24, 2016 12:07 PM
To: Sipes, Stephen (MSP)
Subject: FW: Standing with Flint Event at Flint City Hall Today, 2 p.m.

FYI

Gene

From: Budde, Brian (MSP)
Sent: 1/24/2016 11:56 AM
To: Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Kish, Thomas (MSP); Nevin, Michael (MSP); Kluytman, Julie (MSP); Dehner, Amy (MSP); Sipes, Stephen (MSP); MSP-EOC-MDSP; Taylor, Suzan (MSP)
Subject: Fwd: Standing with Flint Event at Flint City Hall Today, 2 p.m.

Update to today's militia event in flint.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

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Sent from my iPhone

Begin forwarded message:

> **From:** "Taylor, Suzan (MSP)" <TaylorS21@michigan.gov>
> **Date:** January 24, 2016 at 11:07:21 AM EST
> **To:** "Budde, Brian (MSP)" <BuddeB1@michigan.gov>
> **Cc:** "Grant, Rebecca (MSP)" <GrantR@michigan.gov>
> **Subject: Standing with Flint Event at Flint City Hall Today, 2 p.m.**
>
> Good Morning,

This is expected to be a peaceful show of support to collect water for the citizens of Flint.

I will continue to monitor this event for public safety and situational awareness.
Please let me know if you have any questions.

Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

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Beckner, Jessina (MSP)

From: Simon, David (MSP)
Sent: Wednesday, January 13, 2016 2:50 PM
To: Dehner, Amy (MSP)
Cc: Sipes, Stephen (MSP); Kanicki, Bonnie (MSP)
Subject: FW: Trooper Staffing for Flint Water Emergency Situation

Importance: High

Hi Amy

Here is the Tri-City list per the request below. I understand that staffing may change- let me know if you need anything further.

dave

From: Brantley, Yvonne (MSP)
Sent: Wednesday, January 13, 2016 2:30 PM
To: Simon, David (MSP)
Subject: RE: Trooper Staffing for Flint Water Emergency Situation
Importance: High

Sir,

Here is the tentative list:

1/16 Tpr Mark Burch
1/17 Tpr William Smith
1/18 Tpr Troy Meder (already working the holiday)
1/19 Tpr Mike Asbridge
1/20 Tpr Neil Somers
1/21 Tpr William Smith
1/22 Tpr William Smith

I will wait for direction from you as to whether on-duty or off-duty status is changed.

Y

From: Simon, David (MSP)
Sent: Wednesday, January 13, 2016 8:21 AM
To: Brantley, Yvonne (MSP)
Subject: FW: Trooper Staffing for Flint Water Emergency Situation
Importance: High

Yvonne

Check with Tprs Smith and Darrow to see what they can fill. I'm checking on the OT/Travel time issue. It does not have to be the same trooper each day.

Thanks

dave

From: Sipes, Stephen (MSP)
Sent: Wednesday, January 13, 2016 8:14 AM
To: Simon, David (MSP); Kanicki, Bonnie (MSP)
Subject: FW: Trooper Staffing for Flint Water Emergency Situation
Importance: High

Sent from my Windows Phone

From: Sipes, Stephen (MSP)
Sent: 1/12/2016 12:43 PM
To: Sims, Shannon (MSP) (SimsS4@michigan.gov); Sims, Shannon (MSP) (SimsS4@michigan.gov); Mapes, Todd (MSP) (MapesT@michigan.gov)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP)
Subject: Trooper Staffing for Flint Water Emergency Situation

Commanders;

Ref the state of emergency response to the Flint water crisis – additional MSP resources are being requested. Currently the Flint Post is supplying a squad of troopers for security and traffic control for the water/filter distribution trucks that have been deployed in the neighborhood.

Effective Saturday, January 16th and continuing through Friday January 22- additional Third District troopers will be utilized to supplement the Flint post for this operation.

I am requesting /

The time frame of this request is January 16th and tentatively through January 22. (may end sooner or may go longer)

This will require a 7:30am arrival at the Flint operations center and curtail around 5p on the above listed dates.

Lt. Amy Dehner is the POC for this project and she can be reached at cell ' She can provide you with further reporting details and requirements of this assignment.

Note: Please staff with ON-DUTY personnel. If overtime is needed for staffing or end of shift hold overs, this will come from YOUR POST overtime line – with reimbursement down the road (hopefully!)- so do your best to staff with personnel working already.

SCP (Flint and Saginaw) overtime CAN NOT BE USED for this operation.

Lt. Dehner has PCA/INDEX for tracking purpose (not overtime) of those assigned – she can provide you with further on time accounting.

By noon on Thursday, January 14, please send the name of your assigned trooper to Lt. Dehner with a cc to me.

Thanks.

Steve

Inspector Stephen Sipes
Michigan State Police
Assistant District Commander
Third District Headquarters
G-4495 Corunna Rd.,
Flint, MI 48532
TX: 810-733-9380
Fax: 810-733-9399

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Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 19, 2016 4:42 AM
To: Sipes, Stephen (MSP)
Subject: FW: Troopers for water delivery in Flint

Sent from my Windows Phone

From: Mapes, Todd (MSP)
Sent: 1/18/2016 9:14 PM
To: Sipes, Stephen (MSP)
Subject: Re: *Troopers for water delivery in Flint*

Insp.,

I could send more troops tomorrow and Wednesday conceivably. Beyond the I'm at minimum staffing and would have to burn OT to send anything else. I can do that if you need, please let me know.

Todd

Sent from my iPad

> On Jan 18, 2016, at 7:48 PM, Sipes, Stephen (MSP) <SipesS@michigan.gov> wrote:
>
> Commanders,
>
> I'm trying to gauge our ability to increase trooper strength by another This is already in addition to the troopers you are supplying now.
>
> How many additional off duty troopers could you muster for 12 hour shifts in Flint? Pass along what you think you might realistically be able to send - starting Wednesday morning.
>
> NOT PUBLIC KNOWLEDGE.
>
> Send me a response by noon tomorrow
>
>
>
> Sent from my iPad

Beckner, Jessina (MSP)

From: Dehner, Amy (MSP)
Sent: Friday, January 22, 2016 8:44 PM
To: MSP-EOC-MDSP
Cc: Kapp, Gene (MSP); Kish, Thomas (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP)
Subject: Fwd: Cyber Intel - Flint Water Issue
Attachments: image001.png; ATT00001.htm; mime-attachment; ATT00002.htm; SYMC-300383 Anonymous Relaunches #OpFlint against the Government of Mich....pdf; ATT00003.htm

Hi Mardella,

This below intell document was sent by Ops, and is a cyber attack targeting Flint. Is it possible for you to push this out to the other MSP SEOC entities and the JIC? I don't have all of those email addresses.

Sent from my iPhone

Begin forwarded message:

> **From:** MIOC <MIOC@michigan.gov>
> **Date:** January 22, 2016 at 8:19:00 PM EST
> **To:** "Dehner, Amy (MSP)" <DehnerA@michigan.gov>
> **Subject: FW: Cyber Intel - Flint Water Issue**
>
> Amy,
>
> Not sure if your command is aware of this?
>
> Scott

From: MIOC
Sent: Friday, January 22, 2016 8:14 PM
To: Operations, Lts, Lieutenants (MSP)
Subject: FW: Cyber Intel - Flint Water Issue
Importance: High

FYI

Intelligence Operations Division
Michigan Department of State Police
333 South Grand Ave., PO Box 30634
Lansing, MI 48909
517-241-8000

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Beckner, Jessina (MSP)

From: Pratt, Jeff (DTMB)
Sent: Friday, January 22, 2016 6:17 PM
To: Christensen, Chris (DTMB)
Subject:

Thanks,

Jeff

Jeff Pratt
Michigan Department of Technology, Management & Budget
Cybersecurity and Infrastructure Protection
Office of Infrastructure Protection

Office: (517) 241-4391

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Friday, January 08, 2016 6:41 PM
To: Sipes, Stephen (MSP)
Subject: Fwd: Flint protest

Winding down, uneventful

Begin forwarded message:

> **From:** "Young, Patrick (MSP)" <YoungP1@michigan.gov>
> **Date:** January 8, 2016 at 6:28:20 PM EST
> **To:** "Kish, Thomas (MSP)" <KishT@michigan.gov>, "Dehner, Amy (MSP)" <DehnerA@michigan.gov>
> **Cc:** "Operations, Lts, Lieutenants (MSP)" <OperationsLts@michigan.gov>
> **Subject: Re: Flint protest**
>
> Lt., there are maybe 20 protesters still on front of City Hall. News trucks are have been leaving and the protest rally appears to be coming to an end.
>
> Sent from my iPhone
>
> On Jan 8, 2016, at 6:12 PM, "Young, Patrick (MSP)" <YoungP1@michigan.gov> wrote:
>
> > The still peaceful crowd of protesters has made its way back to the front of Flint's city hall. For the most part they are quiet and huddled around the news lights. Their numbers appear to be less than 70.
> >
> > Sent from my iPhone
> >
> > On Jan 8, 2016, at 5:42 PM, "Young, Patrick (MSP)" <YoungP1@michigan.gov> wrote:
> >
> > The peaceful protesters are now walking South on Saginaw towards I-69. Several have lighted letter signs that together, spell "arrest Snyder flint water clean h2o." Traffic appears to be unaffected.
> >
> > Sent from my iPhone
> >
> > On Jan 8, 2016, at 5:31 PM, "Young, Patrick (MSP)" <YoungP1@michigan.gov> wrote:

Lt., approximately 100 peaceful protesters are still in front o Flint City Hall walking up and down the street holding protest signs. Some car horns and chanting are on-going. Current weather is a steady light rain.

Sent from my iPhone

> On Jan 8, 2016, at 4:36 PM, "Young, Patrick (MSP)" <YoungP1@michigan.gov> wrote:
>
> Lt., at this time there are approximately 50 peaceful protesters in front of Flint City Hall. Some are holding signs that say "Fire Gov Snyder." Channel 4, channel 12, and other unconfirmed news agencies are on scene interviewing protesters.
>
> Sent from my iPhone

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Monday, January 18, 2016 7:33 PM
To: Sims, Shannon (MSP); Mapes, Todd (MSP); Simon, David (MSP); Luty, Christopher (MSP)
Subject: Fwd: Flint Water emergency SitRep
Attachments: image001.png; ATT00001.htm; Monday evening MSP Flint EOC SITREP 1800 HRS January 18 2016.docx; ATT00002.htm

Sent from my iPad

Begin forwarded message:

> **From:** "Young, Patrick (MSP)" <YoungP1@michigan.gov>
> **Date:** January 18, 2016 at 6:01:40 PM EST
> **To:** "Kish, Thomas (MSP)" <KishT@michigan.gov>
> **Cc:** "Pummill, Paul (MSP)" <PummillP@michigan.gov>, "Dehner, Amy (MSP)" <DehnerA@michigan.gov>, "Sipes, Stephen (MSP)" <SipesS@michigan.gov>, "Kanicki, Bonnie (MSP)" <KanickiB@michigan.gov>, "Kapp, Gene (MSP)" <KappG@michigan.gov>
> **Subject: Flint Water emergency SitRep**
>
> Lt., The afternoon sit rep is attached.
>
> Lt. Patrick Young
> Assistant Post Commander
> Michigan State Police
> Flint Post #35
> Flint, Michigan 48532
> Post: (810) 732-1111
>
> Fax: (810) 732-5306
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/18/2016 1800 HRS

Prepared by Lt. Patrick Young

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Community Service Commission, and the Michigan Army National Guard.

ACTIVITY SUMMARY:

- Distribution of 12 teams totaling roughly 110 volunteers have returned to the EOC and or left for the evening. This does not include personnel from the MSP and the GCSO.
- We are currently coordinating loading procedures for 16 trucks.
- 22 iPad have been turned back in, secured in the EOC and are charging for tomorrow's mission.
- It has been reported that the 10 ARC teams have returned and are clear.
- The ARC did not report residential contacts for the day.
- The numbers for this day's residential contacts for MSP/GCSO have yet to be determined.
- Working on deployment operations for tomorrow along with support vehicles and personnel.

SAFETY ASSESSMENT:

Local weather access shows 17 Degrees Fahrenheit with a wind chill of 0 degrees. The streets are icy in spots. The National Weather Service reports are being monitored.

NEXT ANTICIPATED SITREP PUBLISH TIME:

1000 HRS 01/19/2016 from Lt. Amy Dehner or Lt. Julin.

Beckner, Jessina (MSP)

From: Kanicki, Bonnie (MSP)
Sent: Tuesday, January 12, 2016 5:48 PM
To: Sipes, Stephen (MSP)
Subject: Fwd: Flint Water Emergency-Genesee County EOC

Dave was out of the office busy all day and wondered if he missed this request and what this meant in comparison to the request Col. Etue sent out. I'd like to offer him clarification. Can you kindly advise me? Thanks.

Sent from my iPhone

Begin forwarded message:

> **From:** "Simon, David (MSP)" <SimonD5@michigan.gov>
> **Date:** January 12, 2016 at 5:43:09 PM EST
> **To:** "Kanicki, Bonnie (MSP)" <KanickiB@michigan.gov>
> **Subject: Fwd: Flint Water Emergency-Genesee County EOC**
>
> Here's the email I asked about.
>
> Sent from my iPad
>
> Begin forwarded message:
>
> > **From:** "Kish, Thomas (MSP)" <KishT@michigan.gov>
> > **Date:** January 12, 2016 at 1:40:50 PM EST
> > **To:** "Sims, Shannon (MSP)" <SimsS4@michigan.gov>, "Mapes, Todd (MSP)" <MapesT@michigan.gov>, "Simon, David (MSP)" <SimonD5@michigan.gov>, "Luty, Christopher (MSP)" <LutyC@michigan.gov>
> > **Cc:** "Dehner, Amy (MSP)" <DehnerA@michigan.gov>, "Pummill, Paul (MSP)" <PummillP@michigan.gov>, "Young, Patrick (MSP)" <YoungP1@michigan.gov>, "Sipes, Stephen (MSP)" <SipesS@michigan.gov>, "Sparks, Keith (MSP)" <SparksK5@michigan.gov>
> > **Subject: Flint Water Emergency-Genesee County EOC**
> >
> > Lts.,
> >
> > The address for the Flint Emergency Operations Center is 1105 Beach St. This is a county owned building. It is directly across the street from Flint City Hall and the EOC is located in the basement, or level "G" if you use the elevator. Once you exit the elevator, you will see an old cafeteria to the left. Walk past the cafeteria and the EOC is down the hall on the right. The door is labeled Emergency Operations Center. BJ Roach is the EMHSD coordinator for the incident. Her cell phone number is (517)819-0841. Please include Sgt. Keith Sparks at our post as to whom you will be sending. We are putting together paper squads for this response.
> >
> > Parking is available behind the sheriff department which is one building north of the county building or there is a parking ramp available off 7th street.
> >
> > We appreciate all the assistance.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111
<image003.png>

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Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 12, 2016 8:40 PM
To: Kapp, Gene (MSP)
Subject: Fwd: FPD Response for water related issues

Here is Flint PD commitment to this.

Sent from my iPad

Begin forwarded message:

> **From:** "Kish, Thomas (MSP)" <KishT@michigan.gov>
> **Date:** January 12, 2016 at 3:58:34 PM EST
> **To:** "Sipes, Stephen (MSP)" <SipesS@michigan.gov>
> **Cc:** "Pummill, Paul (MSP)" <PummillP@michigan.gov>, "Dehner, Amy (MSP)" <DehnerA@michigan.gov>, "Young, Patrick (MSP)" <YoungP1@michigan.gov>
> **Subject: FW: FPD Response for water related issues**
>
> FYI on FPD availability.
>
> **From:** James Tolbert [mailto:jtolbert@cityofflint.com]
> **Sent:** Tuesday, January 12, 2016 3:15 PM
> **To:** Kish, Thomas (MSP)
> **Subject:** FPD Response for water related issues
>
> Tom,
>
> Just t/t the City Administrator and Finance Director, there are no overtime funds available to dedicate FPD personnel to escort water deliveries. I can use personnel from our Inside/Out detail which is once a month, (next I/O is February). Additionally, can we set up a process that if a water location calls for assistance (unruly people) and we cannot response FPD can contact an MSP supervisor to respond?
>
> --
> **JAMES W. TOLBERT**
> Chief of Police
> City of Flint, Michigan
> 210 E. 5th Street
> Flint, Michigan 48502
>
> Work: 810-237-6868
> Fax: 810-237-6960
> Email: jtolbert@cityofflint.com

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Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 12, 2016 9:32 PM
To: Kapp, Gene (MSP)
Subject: Fwd: MSP Water Distribution Operation - AAR

Sent from my iPad

Begin forwarded message:

> **From:** "Kish, Thomas (MSP)" <KishT@michigan.gov>
> **Date:** January 12, 2016 at 9:09:45 PM EST
> **To:** "Sipes, Stephen (MSP)" <SipesS@michigan.gov>
> **Subject: Re: MSP Water Distribution Operation - AAR**
>
> Excellent catch boss. I couldn't agree more.
>
> On Jan 12, 2016, at 8:37 PM, "Sipes, Stephen (MSP)" <SipesS@michigan.gov> wrote:
>
> > Yes, I'm concerned about draining the commanders at the Flint Post (Tom, Paul and Amy) to staff the EOC. We still have a major policing operation that's a priority- and our commanders are neck deep in this. Can EMHSD provide staffing for the ops center?
> >
> > Sent from my iPad
> >
> > On Jan 12, 2016, at 7:07 PM, "Kapp, Gene (MSP)" <KappG@michigan.gov> wrote:
> >
> > > Please advise if you have any requests from the SEOC. I have a 9am call tomorrow about funding for the possible duration.
> > >
> > > Gene
> > >
> > > ---
> > >
> > > **From:** Kish, Thomas (MSP)
> > > **Sent:** 1/12/2016 5:30 PM
> > > **To:** Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP)
> > > **Subject:** FW: MSP Water Distribution Operation - AAR
> > >
> > > Updates..
> > >
> > > ---
> > >
> > > **From:** Dehner, Amy (MSP)
> > > **Sent:** Tuesday, January 12, 2016 5:27 PM
> > > **To:** MSP-EOC-MDSP
> > > **Cc:** Pummill, Paul (MSP); Kish, Thomas (MSP); Sparks, Keith (MSP); Young, Patrick (MSP)
> > > **Subject:** MSP Water Distribution Operation - AAR

I'm sure after action reports are probably being done within the SEOC, but for what it is worth, a quick snapshot of today's day one operations may be beneficial for the higher planning to put more boots on the ground in Flint in the coming days, so here it goes:

Mission:
teams (40 DHHS employees), supported by , and , and (2) 24' UHaul trucks, conducted water filter delivery operations within the 43rd precinct, beginning at apx 1030 HRS, and ending at 1700 HRS today. The target for today was 150 houses, however final data was not available at the time of publish.

Recommend to Sustain on 1-13-16:

-- Continued use of UHaul type trucks. They are low to the ground, easy to load and more important, to off-load. Easily maneuvered on city streets, especially given poor road conditions, and parked/disabled vehicles on city side streets. DTMB trucks are at a height that makes accessing cargo difficult, and puts volunteers at risk of injury clearing the 5' high box entry.

--iPads and in car mobile terminals. (8) iPads supplied by the City and used by DHHS, made real time data uploads possible and gave a more accurate depiction of ground operations. The ability to push GIS mapping material to troopers vehicles via email facilitated their abilities to make on the ground changes with routes, without having to coordinate through the EOC directly.

--Coordinated efforts with Deputies. A GCSO Lt and Captain on the ground and in the EOC were integral in helping us quickly put together a delivery system that was efficient, and allowed us to skip past obstacles they had already encountered in their previous day's work. In addition, it was GCSO that secured the UHaul trucks for us to use.

--Maintaining a large, central distribution point. This makes it easy to get trucks, vehicles, and supplies in and out very quickly.

As a side note, the delivery model used today was 1 UHaul truck, 20 DHHS personnel, and , per street, and we covered 2 streets at a time. DHHS doubled up going door to door (this was an internal decision made by them). If we were using only law enforcement, we could reduce this number to 10 volunteers per truck, but lower than that would slow down progress, more than 20 would just result in people getting in each other's way, and would make transporting them difficult, not to mention clogging up the street with transport vehicles (which happened today). We used the Sheriff's bus to move volunteers instead of their SUVs because the number of vehicles ended up creating congestion issues on the streets we were delivering on.

Recommend to consider changing on 1-13-16:

--Use of DTMB box trucks (see above). Securing more UHaul type trucks would speed up loading and off-loading.

--We can sustain meals from the EOC for the 60 personnel involved today. More than that is going to require an outside source.

--Using less vehicles to transport volunteers. We used the GCSO bus today, and can continue that until Sunday, however a central transportation unit seems to work best at this point, not individual SUVs for each 4 person team.

Sent from my iPad

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Thursday, January 14, 2016 8:42 PM
To: Sipes, Stephen (MSP)
Subject: Fwd: Staffing for Flint Emergency Water Situation
Attachments: Staffing for Flint Emergency Water Situation.docx; ATT00001.htm

Extended schedule for water emergency. FYI.

Begin forwarded message:

> **From:** "Sparks, Keith (MSP)" <SparksK5@michigan.gov>
> **Date:** January 14, 2016 at 8:40:07 PM EST
> **To:** "Kish, Thomas (MSP)" <KishT@michigan.gov>, "Dehner, Amy (MSP)" <DehnerA@michigan.gov>
> **Subject: Staffing for Flint Emergency Water Situation**
>
> Attached is the list.
>
> *F/Lt. Kish, I placed a "pretty" color copy on your desk.*
>
> Sgt. Keith Sparks
> Squad #9
> Flint Post #35
> Third District
> Michigan State Police
> G-4481 Corunna Rd.
> Flint, MI 48507
> TX: (810) 732-1111
>
> *"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"*

Staffing for Flint Emergency Water Situation

Friday, January 15, 2016

Sgt. Mike Troutt	Sgt. Mike Philipps	Sgt. Mark Pravato
Tpr Rick Jones	Tpr Jeremy Sloan	Tpr Craig Winnie
Tpr Jon Miller	Tpr Steve Skrbec	Tpr Rick Kane
Tpr John Gooch	Tpr Dan Nease	Tpr T.J. Williams
Tpr Brian Poyhonen	Tpr Tom Dhooghe	Sgt. Scott Adams (HST)
Tpr Bryan Cairnduff (HST)	Tpr Austin Hessling (HST)	Tpr Aaron Martin (HST)
Tpr William Smith (Tri-City)		

Saturday, January 16, 2016

Sgt. Mark Pravato	Sgt. Mike Troutt	Tpr Rick Jones
Tpr John Gooch	Tpr Tom Pinkerton	Tpr Jeremy Sloan
Tpr Rick Kane	Tpr Josh Coulter	Tpr Jon Miller
Tpr Dan Nease	Tpr Brian Poyhonen	Tpr Casey Taylor
Sgt. Keith Sparks	Tpr Steve Cavner (Lapeer)	Tpr Andrew Warner (Caro)
Tpr Mark Burch (Tri-City)		

Sunday, January 17, 2016

Sgt. Mark Pravato	Sgt. Mike Philipps	Sgt. Mike Troutt
Tpr Rick Jones	Tpr John Gooch	Tpr Tom Pinkerton
Tpr Dan Nease	Tpr Rick Kane	Tpr Jeremy Sloan
Tpr Jon Miller	Tpr Angelo Brown	Tpr T.J. Williams
Tpr Brian Poyhonen	Tpr Aleece Veit	Tpr Steve Cavner (Lapeer)
Tpr Andrew Warner (Caro)	Tpr William Smith (Tri-City)	

Monday, January 18, 2016

Sgt. Mike Philipps	Sgt. Bruce Payne	Tpr Derek Ahola
Tpr Jeremy Sloan	Tpr Steve Kramer	Tpr Craig Winnie
Tpr Jim Hutchinson	Tpr Rick Kane	Tpr Anthony Easlick
Tpr Jon Miller	Tpr John Gooch	Tpr Andrew Muladore
Tpr Dan Nease	Tpr Angelo Brown	Tpr Jacob Donahue
Tpr Brian Poyhonen	Tpr Blaine Stormer	Tpr Aleece Veit
Tpr Steve Cavner (Lapeer)	Tpr Andrew Warner (Caro)	Tpr Troy Meder (Tri-City)

Staffing for Flint Emergency Water Situation (continued)

Tuesday, January 19, 2016

Sgt. Bruce Payne	Sgt. Mark Opra	Tpr Jim Hutchinson
Tpr Anthony Easlick	Tpr Mike O'Donnell	Tpr Justin Vroman
Tpr Jacob Donahue	Tpr Angelo Brown	Tpr Evan Neilson
Tpr Lucas Mickelson	Sgt. Scott Adams (HST)	Tpr Austin Hessling (HST)
Tpr Aaron Martin (HST)	Tpr Bryan Cairnduff (HST)	Tpr Daniel Stickel (HST)
Tpr Steve Cavner (Lapeer)	Tpr Daniel Thompson (Caro)	Tpr Mike Asbridge (Tri-City)

Wednesday, January 20, 2016

Sgt. Mike Troutt	Tpr Derek Ahola	Tpr Jeremy Sloan
Tpr Colter Furst	Tpr Craig Winnie	Tpr Jon Miller
Tpr John Gooch	Tpr Daniel Richter	Tpr Brian Poyhonen
Tpr Steve Fisher	Sgt. Scott Adams (HST)	Tpr Austin Hessling (HST)
Tpr Aaron Martin (HST)	Tpr Bryan Cairnduff (HST)	Tpr Daniel Stickel (HST)
Tpr Nathan Tucker (Lapeer)	Tpr Andrew Warner (Caro)	Tpr Neil Somers (Tri-City)

Thursday, January 21, 2016

Sgt. Mike Troutt	Sgt. Mike Philipps	Sgt. Mark Pravato
Tpr Jeremy Sloan	Tpr Colter Furst	Tpr Steve Skrbec
Tpr Craig Winnie	Tpr T.J. Williams	Tpr Rick Kane
Tpr Jon Miller	Tpr John Gooch	Tpr Brian Poyhonen
Tpr Louis Velaga	Tpr Alexander Fey	Tpr Steve Cavner (Lapeer)
Tpr Andrew Warner (Caro)	Tpr William Smith (Tri-City)	

Friday, January 22, 2016

Sgt. Bruce Payne	Sgt. Duane Zook	Sgt. Mark Opra
Tpr Anthony Easlick	Tpr Justin Vroman	Tpr Angelo Brown
Tpr Jacob Donahue	Tpr Evan Neilson	Tpr Katelyn Hammond
Sgt. Scott Adams (HST)	Tpr Bryan Cairnduff (HST)	Tpr Austin Hessling (HST)
Tpr Aaron Martin (HST)	Tpr Daniel Stickel (HST)	Tpr Steve Cavner (Lapeer)
Tpr Daniel Thompson (Caro)	Tpr William Smith (Tri-City)	

Beckner, Jessina (MSP)

From: Budde, Brian (MSP)
Sent: Sunday, January 24, 2016 11:57 AM
To: Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Kish, Thomas (MSP); Nevin, Michael (MSP); Kluytman, Julie (MDOS); Dehner, Amy (MSP); Sipes, Stephen (MSP); MSP-EOC-MDSP; Taylor, Suzan (MSP)
Subject: Fwd: Standing with Flint Event at Flint City Hall Today, 2 p.m.

Update to today's militia event in flint.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY."

Sent from my iPhone

Begin forwarded message:

> **From:** "Taylor, Suzan (MSP)" <TaylorS21@michigan.gov>
> **Date:** January 24, 2016 at 11:07:21 AM EST
> **To:** "Budde, Brian (MSP)" <BuddeB1@michigan.gov>
> **Cc:** "Grant, Rebecca (MSP)" <GrantR@michigan.gov>
> **Subject: Standing with Flint Event at Flint City Hall Today, 2 p.m.**
>
> Good Morning,
>
> They have posted on Facebook that "no vehicles or driving on the lawn of city hall, do not impede pedestrian sidewalk traffic, and do not block or impede traffic on the streets."
>
> I will continue to monitor this event for public safety and situational awareness. I will send an update if new information is posted in the event page. Please let me know if you have any questions.
>
> Thanks,
>
> Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Report suspicious activity Website: www.michigan.gov/michtip Email: MIOC@michigan.gov TIP Line: 855-MICHTIP (642-4847)

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Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Monday, January 18, 2016 7:39 PM
To: Poupard, Jay (MSP)
Cc: Sipes, Stephen (MSP)
Subject: Fwd: Water Emergency EOC Operations and Procedure

J

We appreciate any help with this. It is an "all hands on deck" situation for MSP.

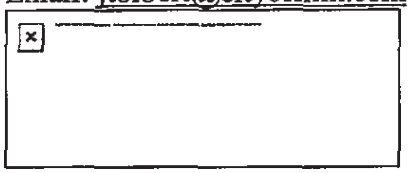
Tom

Begin forwarded message:

> **From:** James Tolbert <jtolbert@cityofflint.com>
> **Date:** January 18, 2016 at 2:11:21 PM EST
> **To:** "Roach, Billie Jo (MSP)" <RoachB@michigan.gov>, "Kish, Thomas (MSP)" <KishT@michigan.gov>
> **Cc:** Collin Birnie <cbirnie@cityofflint.com>, Leigh Golden <lgolden@cityofflint.com>, Karen Weaver <kweaver@cityofflint.com>, Natasha Henderson <nhenderson@cityofflint.com>
> **Subject: Re: Water Emergency EOC Operations and Procedure**
>
> On Mon, Jan 18, 2016 at 1:34 PM, Mark Boudreau <mboudreau@cityofflint.com> wrote:
> Sir/Ma'am,
>
> On 1/18/16 at approximately 11:00 am, I spoke with Lt. Roach of the Michigan State Police. Lt. Roach advised that the only problem occurring today was ongoing traffic congestion at Fire Station #6 at 716 W Pierson Rd. I immediately sent a traffic car to assist with traffic control. The traffic car was there from approximately 11:15 - 12:30pm and was able to alleviate some of the congestion.
>
> Lt. Roach was provided with my cell phone number for any further assistance.
>
> Respectfully,
>
> --
> *Lieutenant Mark Boudreau*
> *Flint Police Department*
> *Police Operations Bureau*
> *Traffic Division*

--
JAMES W. TOLBERT
Chief of Police
City of Flint, Michigan
210 E. 5th Street
Flint, Michigan 48502

Work: 810-237-6868
Fax: 810-237-6960
Email: jtolbert@cityofflint.com



Beckner, Jessina (MSP)

From:	Bolger, Matt (MSP)
Sent:	Saturday, January 16, 2016 5:51 PM
To:	Young, Patrick (MSP); Dehner, Amy (MSP); Kish, Thomas (MSP); Pummill, Paul (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP)
Subject:	Fwd: Water resources distributed map with zones
Attachments:	WaterandFilterANDFieldTeams_20160116_1106.pdf; ATT00001.htm

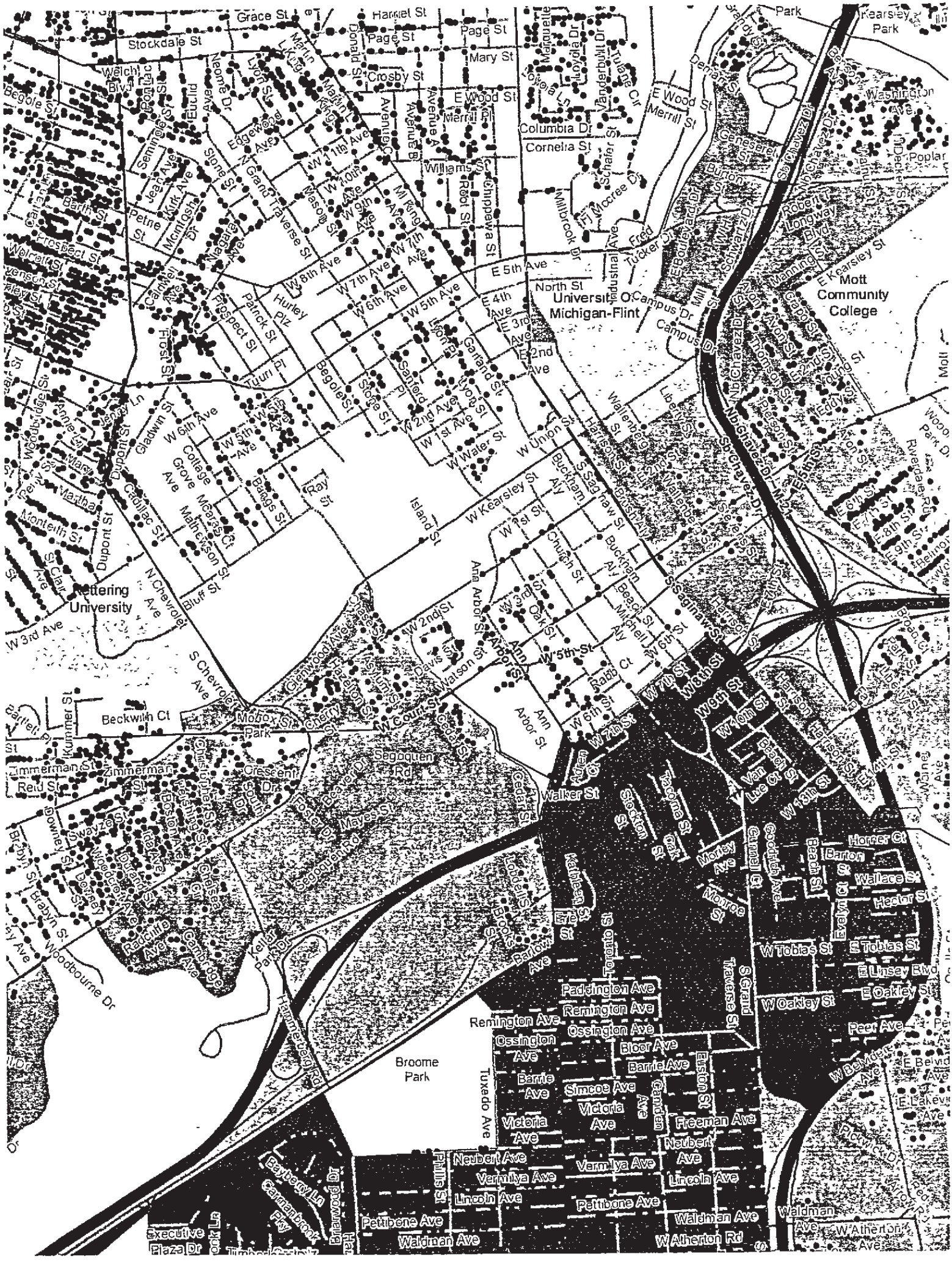
Begin forwarded message:

From: MSP-SEOCGIS <MSP-SEOCGIS@michigan.gov>
Date: January 16, 2016 at 5:05:27 PM EST
To: "Bolger, Matt (MSP)" <BolgerM@michigan.gov>
Subject: FW: Water resources distributed map with zones

All:
Attached is a map requested by Matt Bolger and Mike Johnson yesterday evening. It shows Flint Water Response Team distributions as well as POD distributions. Zones were assigned and assigned to MSP and American Red Cross. I will be in tomorrow to discuss changes. Thank you.

Regards,

Walter Chomentowsli


Grace St
Stockdale St
Welch Blvd
Begole St
Euclid Ave
Neome Dr
Lyon St
Martin Luther King Jr Blvd
Harriet St
Page St
Mary St
Crosby St
Donald St
Marquette Dr
Loyola Dr
Vanderbilt Dr
Tulane Cir
Columbia Dr
Cornelia St
Chaifer St
E Wood St
Merrill St
Merrill Pl
Avenue A
Avenue B
Avenue C
Williams St
Root St
Chippewa St
Millbrook Dr
E Moorree Dr
Fred Tucker Dr
Industrial Ave
Edgewood Ave
Seminole Dr
Jean Ave
Kirk Ave
McIntosh Dr
Petne St
Barth St
Prospect St
Welcraft St
Stone St
Grand Traverse St
W 11th Ave
W 10th Ave
W 9th Ave
W 8th Ave
W 7th Ave
W 6th Ave
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E 4th Ave
E 3rd Ave
E 2nd Ave
Mason St
Mt King
Niagara Ave
Caldwell Ave
Patrick St
Hurley Plz
Tuuri Pl
Begole St
Saginaw St
Garland St
Lyon St
Santford Pl
W 2nd Ave
W 1st Ave
W Water St
W Union St
North St
University of Michigan-Flint
Campus Dr
Mill St
E Kearsley St
Mott Community College
Manning St
Thomson St
Young St
Eddy St
Harrison St
Wallenberg St
Liberty St
Nb Chavez Dr
Sb Chavez Dr
E 5th St
E 6th St
E 7th St
E 8th St
E 9th St
Riverdale Rd
Kearsley Park
Park
Washington Ave
Poplar
Walnut St
Robert T Longway Blvd
Dort Hwy
Genesee St
Burton St
Woodbridge St
Annette St
Mary St
Martha St
Monteith St
St Clair Ave
Jenny Ln
Gladwin St
Dupont St
Cadillac St
Grove Ave
Cottage Ave
Mathewson Ct
Bagley St
Ray St
Island St
W Kearsley St
W 1st St
Buckham Alley
S Saginaw St
Church St
Beach St
Mitchell St
Ann Arbor St
W 3rd St
Oak St
W 5th St
W 6th St
W 7th St
W 8th St
Water St
Harrison St
Broadway
Elm St
Kettering University
N Chevrolet Ave
S Chevrolet Ave
W 3rd Ave
Bluff St
W 2nd St
Davis St
Watson St
Glenwood Ave
Cherry St
Mohox St
Park
Beckwith Ct
Kummer St
Zimmerman St
Reid St
Crescent Dr
Segoquen Rd
Mayes St
Walker St
Cedar St
Stockton St
Tacoma St
Oak St
Morley Ave
Gamel Ct
Goodrich Ave
Beach St
Van Luc Ct
W 13th St
W 12th St
W 11th St
W 10th St
Horner Ct
Barton St
Wallace St
Hector St
Elva Ct
Monroe St
Kathleen St
Earle St
Toronto St
Brookdale Ave
Bardow Ave
W Tobias St
E Tobias St
E Linsey Blvd
E Oakley St
W Oakley St
S Grand Traverse St
Padlington Ave
Remington Ave
Ossington Ave
Bloor Ave
Barrie Ave
Simcoe Ave
Victoria Ave
Euston St
Camden Ave
Freeman Ave
Neubert Ave
Vermilya Ave
Lincoln Ave
Pettibone Ave
Waldman Ave
W Atherton Rd
Peet Ave
W Belvidere Ave
E Belvidere Ave
E Lakeview Ave
Broadway
Phillips St
Tuxedo Ave
Broome Park
Hammerberg Rd
Keller Park Dr
Woodbourne Dr
Brabyn St
Brownell St
Swayze St
Detroit St
Boston Ave
Harvard Ave
Radcliffe Ave
Cambridge Ave
Gaines St
Woodcrest Ave
Durant Ave
Bayberry Ln
Cannanbrook Pkwy
Executive Plaza Dr
Timberbrook Ln
Hillcrest Dr

Beckner, Jessina (MSP)

From: Pummill, Paul (MSP)
Sent: Tuesday, January 12, 2016 2:12 PM
To: Kish, Thomas (MSP)
Cc: Kanicki, Bonnie (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Young, Patrick (MSP); Sparks, Keith (MSP); Dehner, Amy (MSP)
Subject: Genesee County EOC - MSP State Security Officer SITREP 1410 HRS
Attachments: SITREP 1410.docx

Please see attached SITREP for State Security Officer operations in the Flint EOC.

Lt. Paul M. Pummill
Assistant Post Commander
Shiawassee Operations
Michigan State Police – Flint Post
G4481 Corunna Road
Flint, Michigan 48532
Office: (810) 732-1111

A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

01/12/16 at 1410 HRS

Prepared by Lt. Paul Pummill

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff

ACTIVITY SUMMARY:

- MSP/DHHS Distribution teams continue the water/filter dissemination.
- GIS maps have been printed and a target area of Precinct 43 (intersection of Dupont and Chevrolet) has been identified as the distribution operation. These maps have been pushed via email to troopers' in car mobile computers.
- City iPads have been delivered and are be tied into real-time system DHHS portal to track addresses where filters are delivered.

SAFETY ASSESSMENT:

The National Weather Service has issued a Winter Weather Advisory affecting Tuesday morning commutes.

Streets and major expressways in Flint remain ice covered, with freezing temperatures further complicating clearing operations and travel in the area. Most city streets have not yet been cleared, which could negatively impact distribution operations. National weather service reports are monitored hourly.

MSP RESOURCES REQUESTED THIS DATE/STATUS:

-NO ADDITIONAL RESOURCES REQUESTED AS OF THIS PUBLISH TIME

NEXT SITREP PUBLISH TIME / SECURITY OFFICER for 01/12/2016:

1900 HRS 01/12/2016 / Lt. Paul Pummill

Beckner, Jessina (MSP)

From: Monroe, Cindy (MSP)
Sent: Friday, January 15, 2016 6:49 AM
To: Sipes, Stephen (MSP)
Cc: Kish, Thomas (MSP); Dehner, Amy (MSP); Sparks, Keith (MSP); Dakin, Val (MSP)
Subject: Index/PCA for Sergeants/Troopers for Flint Water Emergency

Importance: High

Inspector Sipes:

Lt. Dehner spoke with me last night and instructed me to contact you reference an Index/PCA for sergeants and troopers who are working the Flint Water Emergency. She advised the Index 28900/PCA 28670 was to be used only for lieutenants and above. Please let know ASAP as we have early payroll and I have started entering time. Otherwise, I will have to enter it under regular overtime PCA 32910 for sergeants and 32920 for troopers. Thank you.

Beckner, Jessina (MSP)

From:	Young, Patrick (MSP)
Sent:	Sunday, January 17, 2016 11:48 AM
To:	Kish, Thomas (MSP)
Cc:	Sparks, Keith (MSP); Pummill, Paul (MSP); Dehner, Amy (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP)
Subject:	MSP Flint EOC SITREP
Attachments:	Good Sunday MSP Flint EOC SITREP 1030 HRS January 17 2016.docx

Attached is the MSP Flint Water Crisis EOC SITREP.

Lt. Patrick Young
Assistant Post Commander
Michigan State Police
Flint Post #35
Flint, Michigan 48532
Post: (810) 732-1111

Fax: (810) 732-5306

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/17/2016 1140 HRS

Prepared by Lt. Patrick Young

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Community Service Commission, Michigan Army National Guard

ACTIVITY SUMMARY:

- MSP/DHHS/GCSO/all other/ Distribution teams totaling roughly 160 are in operation. This includes team leaders. At present, we have sufficient trooper and deputy staffing to effectively run this operation. The expected hard numbers of volunteers will be passed down by the SEOC this evening. We have fielded teams with vehicles. Distribution operations are taking place on the South, East, and North ends of Flint per the latest distribution map provided by the SEOC.
- 22 iPad are in use today.
- Gas cards have been obtained to resolve local level re-fuel issues of distribution vehicles.
- It has been reported that 10 ARC teams were out at 9am.

SAFETY ASSESSMENT:

Local access shows 16 Degrees Fahrenheit with a light wind. The streets have icy spots in the distribution areas. National weather service reports are monitored hourly.

NEXT ANTICIPATED SITREP PUBLISH TIME:

1700 HRS 01/17/2016

MSP Flint City Water Detail

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

1/16/2016 1900 HRS

Prepared by Lt. Paul Pummill

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff, Genesee County Health Department, Michigan Public Service Commission, Michigan Army National Guard

ACTIVITY SUMMARY:

- MSP/DHHS/GCSO Distribution teams (*conducted in 1 -4* Wards
- 22 iPad are in use today. All returned.
- 10 vehicles loaded and ready for tomorrow distribution start.
- 62 Volunteers participated today. The expected volunteers for tomorrow 114. At present, we have sufficient trooper and deputies scheduled to meet these anticipated numbers.
- ARC teams distributed 1532 kits.
- Sgt. Sparks assessed the water storage location reference security.

SAFETY ASSESSMENT:

In the distribution areas there is light now and windy. The streets in the area have icy spots. National weather service reports are monitored hourly.

NEXT ANTICIPATED SITREP PUBLISH TIME:

0900 HRS 01/17/2016 by Lt. Pat Young

Beckner, Jessina (MSP)

Subject:	personnel coordination-Flint water
Location:	HQ conf room
Start:	Wed 1/13/2016 2:30 PM
End:	Wed 1/13/2016 3:00 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	Lee, Nichole (MSP)
Required Attendees:	Capt Kapp; Sipes, Stephen (MSP); Kish, Thomas (MSP); Pummill, Paul (MSP); Patrick Young ; Dehner, Amy (MSP)

Beckner, Jessina (MSP)

From: Dehner, Amy (MSP)
Sent: Sunday, February 07, 2016 7:47 PM
To: Kish, Thomas (MSP)
Cc: Sipes, Stephen (MSP)
Subject: Re: Clinton Flint Visit Detail - Summary

HA! The Agents agreed it was a success because they'd all make it home well before kickoff...

Sent from my iPhone

> On Feb 7, 2016, at 7:45 PM, Kish, Thomas (MSP) <KishT@michigan.gov> wrote:
>
> LOL!!!
>
>> On Feb 7, 2016, at 7:45 PM, "Sipes, Stephen (MSP)" <SipesS@michigan.gov> wrote:
>>
>> Thanks Amy, been kinda slow at Flint since you arrived, SCP issues, water issues, presidential candidates circling.... Wait til it gets warm out! Opportunities for growth!
>>
>> Sent from my iPhone
>>
>>> On Feb 7, 2016, at 7:17 PM, Dehner, Amy (MSP) <DehnerA@michigan.gov> wrote:
>>>
>>> Lt -
>>>
>>> We are complete with the Clinton visit. In total, we had
>>>
>>>
>>>

>>>
>>> Flint PD and GCSO also assisted, mostly at the church as uniform security. There were no significant events, and things appeared to go smoothly.
>>>
>>>
>>> She cancelled her City Hall appearance, so we only had one venue to contend with. After she went wheels up at Bishop at 5:00, I briefly met with the Agents to discuss some general planning items for the March 6th debate,
>>>
>>> . CNN is moderating the event
>>>
>>> They aren't sure on the number of MSP they will need yet, or the venue. They plan to contact us next week to meet and finalize things.
>>>
>>>
>>> Sent from my iPhone

Beckner, Jessina (MSP)

From: Monroe, Cindy (MSP)
Sent: Friday, January 15, 2016 9:14 AM
To: Sipes, Stephen (MSP)
Cc: Kish, Thomas (MSP); Lee, Nichole (MSP); Sims, Robbin (MSP)
Subject: RE: Coding for City of Flint Water Contamination incident

Inspector Sipes:

Thank you for the information. I went into DCDS to check and it wasn't there. However, I discovered you have to log out and then log back in and the project/phase will show in the drop downs. Thanks again.

From: Sipes, Stephen (MSP)
Sent: Friday, January 15, 2016 9:10 AM
To: Monroe, Cindy (MSP); Kish, Thomas (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Lee, Nichole (MSP); Sims, Robbin (MSP)
Subject: FW: Coding for City of Flint Water Contamination incident

FYI,

From: Morris, David (MSP)
Sent: Friday, January 15, 2016 8:49 AM
To: Sipes, Stephen (MSP)
Cc: Olney, Robert (MSP)
Subject: RE: Coding for City of Flint Water Contamination incident

Inspector Sipes,

Good morning. I added the Index, PCA, Project #, and Project Phase to the DROP Down Windows in DCDS for all 3rd District TKU's.

Thanks,
Dave

From: Sipes, Stephen (MSP)
Sent: Friday, January 15, 2016 7:31 AM
To: Morris, David (MSP)
Subject: FW: Coding for City of Flint Water Contamination incident

Dave, we trying to get our Lt's assigned to the SEOC paid ref the following email using the provided Pca and index. Will those be entered this morning so we can get payroll entered?

Sent from my Windows Phone

From: Sipes, Stephen (MSP)
Sent: 1/13/2016 5:08 PM
To: Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP)
Subject: FW: Coding for City of Flint Water Contamination incident

Sent from my Windows Phone

From: Sipes, Stephen (MSP)
Sent: 1/13/2016 10:31 AM
To: Kish, Thomas (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
Subject: FW: Coding for City of Flint Water Contamination incident

Tom, please see that any OT for LT. 14's assigned to the EOC get bills to the following pca and index

Sent from my Windows Phone

From: Kish, Thomas (MSP)
Sent: 1/9/2016 11:35 AM
To: Kapp, Gene (MSP)
Cc: MSP-EOC-MDSP; Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Dehner, Amy (MSP)
Subject: Re: Coding for City of Flint Water Contamination incident

All,

Lt. Amy Dehner has been briefed and will be responding to the Genesee County EOC as soon as possible today.

I anticipate her phone call to Inspector Bolger shortly to close the loop. Amy will provide updates today and tomorrow.

Tom

On Jan 9, 2016, at 11:31 AM, "Kapp, Gene (MSP)" <KappG@michigan.gov> wrote:

> Clear
>
> Tom Kish will close the loop with you shortly.
>
> *Gene*
>
> ---
>
> **From:** MSP-EOC-MDSP
> **Sent:** 1/9/2016 11:05 AM
> **To:** Kapp, Gene (MSP)
> **Subject:** FW: Coding for City of Flint Water Contamination incident
>
> Captain,
>
> The Index and PCA for this project are below. Please use this for any overtime or travel costs. Any costs incurred on straight time will come out of normal post operations.
>
> Matt
>
> ---
>
> **From:** Burger, Penelope (MSP)
> **Sent:** Wednesday, January 06, 2016 1:18 PM
> **To:** MSP-EMHSD-Division
> **Cc:** MSP-SEOCOPSC; MSP-seocfgc; MSP-seoclgc
> **Subject:** Coding for City of Flint Water Contamination incident

Good Afternoon:

For any **overtime hours** spent working in the SEOC with the City of Flint Water Contamination/Shortage event, please use the following coding:

Index 28900 with PCA 28670

Any **non-payroll** costs (travel, SEOC meals during activation, etc.) should be coded to:

Index 28900 with PCA 28671.

These codes are not yet active in DCDS but will be by the end of the week. Please let me know if you have any questions.

Thanks,
Penny

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police
Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046

Beckner, Jessina (MSP)

From: MSP-EOC-MDSP
Sent: Saturday, January 23, 2016 8:22 AM
To: Dehner, Amy (MSP)
Cc: Kapp, Gene (MSP); Kish, Thomas (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP); MSP-SEOCPIO; JICManager; MSP-EOC-MDTMB; MSP-SEOCOPSC
Subject: RE: Cyber Intel - Flint Water Issue

Lt. Dehner,

DTMB and MC3, along with the MIOC are aware of these issues and are monitoring them. JIC and the SEOC PIO have also been cc's in this email.

Thank you,
Spl/Lt. Mardella Horhn

From: Dehner, Amy (MSP)
Sent: Friday, January 22, 2016 8:44 PM
To: MSP-EOC-MDSP
Cc: Kapp, Gene (MSP); Kish, Thomas (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP)
Subject: Fwd: Cyber Intel - Flint Water Issue

Hi Mardella,

This below intell document was sent by Ops, and is a cyber attack targeting Flint. Is it possible for you to push this out to the other MSP SEOC entities and the JIC? I don't have all of those email addresses.

Sent from my iPhone

Begin forwarded message:

> **From:** MIOC <MIOC@michigan.gov>
> **Date:** January 22, 2016 at 8:19:00 PM EST
> **To:** "Dehner, Amy (MSP)" <DehnerA@michigan.gov>
> **Subject: FW: Cyber Intel - Flint Water Issue**
>
> Amy,
>
> Not sure if your command is aware of this?
>
> Scott

From: MIOC
Sent: Friday, January 22, 2016 8:14 PM
To: Operations, Lts, Lieutenants (MSP)
Subject: FW: Cyber Intel - Flint Water Issue
Importance: High

FYI

Intelligence Operations Division
Michigan Department of State Police
333 South Grand Ave., PO Box 30634
Lansing, MI 48909
517-241-8000

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Roach, Billie Jo (MSP)
Sent: Wednesday, February 03, 2016 8:01 PM
To: Kish, Thomas (MSP)
Cc: Sipes, Stephen (MSP)
Subject: RE: DEQ testing in Flint

Lt., understood. DEQ will be deploying from the Genesee Co EOC around 10a. DEQ hopes to complete the mission tomorrow, however, it could possibly run into Friday. I would greatly appreciate it if you would pave the way with Chief Tolbert. Please let me know. Thank you, BJ

From: Kish, Thomas (MSP)
Sent: Wednesday, February 03, 2016 7:58 PM
To: Roach, Billie Jo (MSP)
Cc: Sipes, Stephen (MSP)
Subject: Re: DEQ testing in Flint

BJ

This should really be a Flint PD responsibility per the Captain. Where is the DEQ person starting from? How long will this detail last? Is this a one-time thing or will this be an ongoing DEQ effort? These are important questions we want to know the answers to before a precedent is set.

We need to begin to shift this security responsibility to FPD. I would be willing to contact Tolbert in the morning to offer a trooper to handle calls for service if he can break a car away for this security issue.

Let me know.

Tom

On Feb 3, 2016, at 7:03 PM, "Roach, Billie Jo (MSP)" <RoachB@michigan.gov> wrote:

> Hi Lt. Kish, sorry for the late notice but this was just requested. DEQ is sending reps out tomorrow to contact homes that tested with high lead levels in their water. Due to the animosity towards the DEQ, would it be possible to assign a trooper to assist DEQ with this?? The marked unit would be visible but not asked to make contact at the home. DEQ will make contact. They are looking to do this from 10a-5p tomorrow. Once again, sorry for the late notice. Thanks, BJ
>
> Lt. BJ Roach
> Third District Coordinator
> Michigan State Police-Emergency Management and Homeland Security Division
> 6296 Dixie Hwy.
> P.O. Box 608
> Bridgeport, MI 48722
> Ofc: 989-777-0650
>
> Fax: 989-777-3571

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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Beckner, Jessina (MSP)

From: Fay, Kathleen (MSP)
Sent: Friday, January 15, 2016 2:58 PM
To: Sipes, Stephen (MSP); Kish, Thomas (MSP); Richard, Patrick (MSP)
Subject: RE: Flint area leased facilities

Thank you Sir

Kathleen A. Fay
Management Services Section
Departmental Services Division
Michigan State Police
PO Box 30634
Lansing, MI 48909
517-284-3150 office

"A PROUD Tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sipes, Stephen (MSP)
Sent: Thursday, January 14, 2016 9:53 PM
To: Fay, Kathleen (MSP); Kish, Thomas (MSP); Richard, Patrick (MSP)
Subject: RE: Flint area leased facilities

Yes, our buildings are in Flint Twp and water is supplied by the Detroit Water Authority - good water.

Sent from my Windows Phone

From: Fay, Kathleen (MSP)
Sent: 1/14/2016 12:04 PM
To: Sipes, Stephen (MSP); Kish, Thomas (MSP); Richard, Patrick (MSP)
Subject: Flint area leased facilities

Good afternoon,
I believe the leased facilities you occupy are on a water system supplied by Flint Township. If this is not correct, please contact me. I will be in the office later this afternoon and most of tomorrow. Kath

Kathleen A. Fay
Management Services Section
Departmental Services Division
Michigan State Police
PO Box 30634
Lansing, MI 48909
517-284-3150 office

"A PROUD Tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Sands, Thomas (MSP)
Sent: Monday, January 11, 2016 7:47 PM
To: Shaw, Jim (MSP); Kapp, Gene (MSP)
Cc: Morris, David (MSP); Sands, Thomas (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP)
Subject: Re: Flint Project Code

Please ensure no SCP overtime is utilized in support of the water emergency. It needs to be all post and/or district funds.

We will assess the need to obtain reimbursement if warranted.

Thank you.

Sent from my iPhone

On Jan 11, 2016, at 4:34 PM, Shaw, Jim (MSP) <ShawJ@michigan.gov> wrote:

> Good afternoon Capt:
>
> To assist in the financial tracking of resources dedicated to the City of Flint in response to the water emergency the following Project Number has been established:
>
> - Project # FLTWAT - Phase 16
>
> This project number will be in DCDS tomorrow. Please have impacted personnel utilize this project number with their time accounting for activities in support of this detail.
>
> Thanks...
>
> Jim
>
> Insp. Jim Shaw
> Field Services Bureau
> Michigan State Police
> 333 S. Grand Ave
> P.O. Box 30634
> Lansing, MI 48909
> Office: (517) 241-0915
>
> Shawj@michigan.gov
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> <image003.png>

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Friday, January 08, 2016 7:27 PM
To: Kish, Thomas (MSP)
Subject: RE: Flint protest

Clear.

Sent from my Windows Phone

From: Kish, Thomas (MSP)
Sent: 1/8/2016 6:41 PM
To: Sipes, Stephen (MSP)
Subject: Fwd: Flint protest

Winding down, uneventful

Begin forwarded message:

> **From:** "Young, Patrick (MSP)" <YoungP1@michigan.gov>
> **Date:** January 8, 2016 at 6:28:20 PM EST
> **To:** "Kish, Thomas (MSP)" <KishT@michigan.gov>, "Dehner, Amy (MSP)" <DehnerA@michigan.gov>
> **Cc:** "Operations, Lts, Lieutenants (MSP)" <OperationsLts@michigan.gov>
> **Subject: Re: Flint protest**
>
> Lt., there are maybe 20 protesters still on front of City Hall. News trucks are have been leaving and the protest rally appears to be coming to an end.
>
> Sent from my iPhone
>
> On Jan 8, 2016, at 6:12 PM, "Young, Patrick (MSP)" <YoungP1@michigan.gov> wrote:
>
> > The still peaceful crowd of protesters has made its way back to the front of Flint's city hall. For the most part they are quiet and huddled around the news lights. Their numbers appear to be less than 70.
> >
> > Sent from my iPhone
> >
> > On Jan 8, 2016, at 5:42 PM, "Young, Patrick (MSP)" <YoungP1@michigan.gov> wrote:
> >
> > The peaceful protesters are now walking South on Saginaw towards I-69. Several have lighted letter signs that together, spell

"arrest Snyder flint water clean h2o." Traffic appears to be unaffected.

Sent from my iPhone

> On Jan 8, 2016, at 5:31 PM, "Young, Patrick (MSP)" <YoungP1@michigan.gov> wrote:
>
> Lt., approximately 100 peaceful protesters are still in front o Flint City Hall walking up and down the street holding protest signs. Some car horns and chanting are on-going. Current weather is a steady light rain.
>
> Sent from my iPhone
>
> > On Jan 8, 2016, at 4:36 PM, "Young, Patrick (MSP)" <YoungP1@michigan.gov> wrote:
> >
> > Lt., at this time there are approximately 50 peaceful protesters in front of Flint City Hall. Some are holding signs that say "Fire Gov Snyder." Channel 4, channel 12, and other unconfirmed news agencies are on scene interviewing protesters.
> >
> > Sent from my iPhone

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Monday, January 11, 2016 1:21 PM
To: Sipes, Stephen (MSP)
Subject: Re: Flint Water - EOC Activation

We are in the basement of the county building directly across from City Hall.

On Jan 11, 2016, at 12:45 PM, "Sipes, Stephen (MSP)" <SipesS@michigan.gov> wrote:

> Thanks Tom.
>
> Where is the EOC located?
>
> ---
>
> **From:** Kish, Thomas (MSP)
> **Sent:** Monday, January 11, 2016 10:46 AM
> **To:** Sipes, Stephen (MSP)
> **Cc:** Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
> **Subject:** Flint Water - EOC Activation
>
> Inspector,
>
> Just a heads up on activities downtown. The EOC is located in the basement of the county building. They are generally running administrative type hours from 8:00 am until 7:00 pm. The 14's and myself will begin a rotation for MSP downtown starting tomorrow with Lt. Pummill and myself on Wednesday. Lt. Young will also be assigned in a uniform capacity in the coming days. We are tracking OT hours for any personnel downtown.
>
> I've been in touch with Lt. Draves a few times this morning reference the Governor's visit. As of now there are no protesters, and the likelihood of having any is unlikely given the parking and weather conditions today. I will be down at the EOC starting at noon. We will keep you updated.
>
> F/Lt. Thomas Kish
> Commander
> Michigan State Police-Flint Post
> G 4481 Corunna Rd
> Flint, MI 48532
> (810)732-1111
> <image001.png>

Beckner, Jessina (MSP)

From: Kapp, Gene (MSP)
Sent: Friday, January 15, 2016 3:08 PM
To: Sims, Shannon (MSP)
Cc: Sipes, Stephen (MSP); Kanicki, Bonnie (MSP)
Subject: RE: FLINT WATER DETAIL MOBILIZATION

Very proactive thanks

From: Sims, Shannon (MSP)
Sent: Friday, January 15, 2016 2:28 PM
To: Kapp, Gene (MSP)
Cc: Sipes, Stephen (MSP); Kanicki, Bonnie (MSP)
Subject: RE: FLINT WATER DETAIL MOBILIZATION

Capt.

I visited the EOC today in Flint and spoke with Tom. I will have my sergeants start visiting the EOC this afternoon to get accustomed to where it is and how it operates.

Fyi

Shannon

From: Kapp, Gene (MSP)
Sent: Thursday, January 14, 2016 3:10 PM
To: Luty, Christopher (MSP); Sims, Shannon (MSP); Simon, David (MSP); Julin, John (MSP); Jenkins, Marvin (MSP); Rice, Matthew (MSP); Wilber, Eric (MSP); Richard, Patrick (MSP); Rampy, David (MSP); Fowler, Gerald (MSP); Rogers, Doug (MSP); Pintar, Mark (MSP); Pennell, Ryan (MSP)
Cc: Kish, Thomas (MSP); Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Sims, Robbin (MSP); Lee, Nichole (MSP); Black, Charles (MSP); Kaiser, David (MSP); Sands, Thomas (MSP); O'Neill, Stephen (MSP); McGaffigan, Kevin (MSP); Yesh, Monica (MSP)
Subject: FLINT WATER DETAIL MOBILIZATION

Third District Commanders

As a heads up I ask you to review this information, make a phone call to F/Lt. Kish or Lt. Dehner, and make arraignments (You and/or a Sgt.) to visit the EOC – Flint. As this effort continues and possibly ramps up, you, your staff, and your troops will be called on for support. The request and direction for troopers will come as soon as we have information they will be needed, and will include details such as DCDS codes and reporting plans.

As a F/Lt. or Lt. you may be specifically assigned as the Water Response Team Commander for all team operations. To prepare, please make every effort to visit the EOC during operation hours 730am-9pm, and discuss duties with the on-site commander.

It is my plan to keep Lt. Dehner as a consistent presence / commander in the EOC, but you can be assigned to be part of that team. The following information is for your review and I will keep you advised as information is available.

Current Duties:

- *EOC Safety Officer – Sgt.*

- Water Response Team Commander for all team operations – F/Lt – Lt. and or assistant.
  - Coordinate and manage Water Response Team structure. *This includes Street Sgts.*
  - Coordinate and manage Water Response Team resources.
  - Coordinate walking routes with concentration in the most hazardous lead level areas.
  - Coordinate logistics for Water Response Teams.
  - Coordinate iPad distribution and tracking.
  - Coordinate and integrate with state, county, and local personnel as well as volunteers assigned to work on Water Response Teams.
  - Coordinate and manage team security with MSP and County personnel.
  - *Determine hours of operation based on assessment of area, hours of daylight, and any other safety* information pertinent to operations.
  - Coordinate with Sheriff's department resources.
  - Staff each team with the appropriate number of MSP enlisted personnel for security purposes.
  - Provide a daily report of all activities to include best practices and issues or concerns.

In addition there is a 9:30 am and 4:30 pm SEOC briefing via conference call as well as any other conference calls necessary to complete the above mission.

TROOPER MISSION:
Providing water filter escort/traffic control/security for 60+ MSP volunteers (broken into 3 distribution teams) *who will be distributing water filters door to door tomorrow* in the City of Flint. The majority of operations will be conducted from patrol car, on city streets. This mission is being sustained in coordinated support with deputies from the Genesee County Sheriff's Office, who are also supplying marked patrol units.

TIME:
0730 HRS Briefing
1700 HRS Release to home post assignment Troopers only

LOCATION:
Genesee County Administration Building (Directly across from Flint City Hall)
Emergency Operations Center (EOC)
1105 Beach Street
Basement Level

PARKING:
Parking is available on Saginaw Street directly in front of the county building (east side), or in the adjacent church parking lot on Beach Street

RADIO CHANNELS:

MEALS:
Lunch will be provided at noon at the EOC

Please call with any questions and advise me by e-mail if you were able to make a site visit.

Gene

Captain Gene Kapp
District Commander
Third District Headquarters

Michigan State Police
G-4495 Corunna Road
Flint, MI 48532
Office: (810) 733-9380
Fax: (810) 733-9399

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

RETAIN THIS IMAGE
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Beckner, Jessina (MSP)

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Cc: Kish, Thomas (MSP); Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Sims, Robbin (MSP); Lee, Nichole (MSP); Black, Charles (MSP); Kaiser, David (MSP); Sands, Thomas (MSP); O'Neill, Stephen (MSP); McGaffigan, Kevin (MSP); Yesh, Monica (MSP)
Subject: FLINT WATER DETAIL MOBILIZATION

Third District Commanders

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- Water Response Team Commander for all team operations – F/Lt – Lt. and or assistant.
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Emergency Operations Center (EOC)
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Basement Level

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RADIO CHANNELS:

MEALS:
Lunch will be provided at noon at the EOC

Please call with any questions and advise me by e-mail if you were able to make a site visit.

Gene

Captain Gene Kapp
District Commander
Third District Headquarters

Michigan State Police
G-4495 Corunna Road
Flint, MI 48532
Office: (810) 733-9380
Fax: (810) 733-9399

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 12, 2016 5:55 PM
To: Kanicki, Bonnie (MSP)
Subject: RE: Flint Water Emergency-Genesee County EOC

I don't know what this request is?

Sent from my Windows Phone

From: Kanicki, Bonnie (MSP)
Sent: 1/12/2016 5:47 PM
To: Sipes, Stephen (MSP)
Subject: Fwd: Flint Water Emergency-Genesee County EOC

Dave was out of the office busy all day and wondered if he missed this request and what this meant in comparison to the request Col. Etue sent out. I'd like to offer him clarification. Can you kindly advise me? Thanks.

Sent from my iPhone

Begin forwarded message:

> **From:** "Simon, David (MSP)" <SimonD5@michigan.gov>
> **Date:** January 12, 2016 at 5:43:09 PM EST
> **To:** "Kanicki, Bonnie (MSP)" <KanickiB@michigan.gov>
> **Subject: Fwd: Flint Water Emergency-Genesee County EOC**
>
> Here's the email I asked about.
>
> Sent from my iPad
>
> Begin forwarded message:
>
> > **From:** "Kish, Thomas (MSP)" <KishT@michigan.gov>
> > **Date:** January 12, 2016 at 1:40:50 PM EST
> > **To:** "Sims, Shannon (MSP)" <SimsS4@michigan.gov>, "Mapes, Todd (MSP)" <MapesT@michigan.gov>, "Simon, David (MSP)" <SimonD5@michigan.gov>, "Luty, Christopher (MSP)" <LutyC@michigan.gov>
> > **Cc:** "Dehner, Amy (MSP)" <DehnerA@michigan.gov>, "Pummill, Paul (MSP)" <PummillP@michigan.gov>, "Young, Patrick (MSP)" <YoungP1@michigan.gov>, "Sipes, Stephen (MSP)" <SipesS@michigan.gov>, "Sparks, Keith (MSP)" <SparksK5@michigan.gov>
> > **Subject: Flint Water Emergency-Genesee County EOC**
> >
> > Lts.,
> >
> > The address for the Flint Emergency Operations Center is 1105 Beach St. This is a county owned building. It is directly across the street from Flint City Hall and the EOC is located in the basement, or level "G" if you use the elevator. Once you exit the elevator, you will see an old cafeteria to the left. Walk past the cafeteria and the EOC is

down the hall on the right. The door is labeled Emergency Operations Center. BJ Roach is the EMHSD coordinator for the incident. Her cell phone number is .

. Please include Sgt. Keith Sparks at our post as to whom you will be sending. We are putting together paper squads for this response.

Parking is available behind the sheriff department which is one building north of the county building or there is a parking ramp available off 7th street.

We appreciate all the assistance.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111
<image003.png>

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 3:30 PM
To: Sipes, Stephen (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

It sounds like we are waiting on additional info from the SEOC. Let you know.

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 19, 2016 3:22 PM
To: Kish, Thomas (MSP); Kapp, Gene (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Do you or will you need more troopers? If so when and how many more?

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 1:10 PM
To: Sipes, Stephen (MSP); Kapp, Gene (MSP)
Subject: FW: Flint Water OIC for Friday 1/22

Heads up on the latest.. it appears as though we may need to pull some outside troops if they push the guard troop total to on Thursday, unless we want to use "floating" security going between a WRT or two... we are only looking at or more uniforms with the added ANG troops.

From: Dehner, Amy (MSP)
Sent: Tuesday, January 19, 2016 12:49 PM
To: MSP-EOC-MDSP; Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Clear on those responses –

Our ground and mapping personnel are asking if it is possible to have the NG assemble at the EOC, instead of the warehouse, tomorrow morning? Operationally, it is easier for our mapping personnel, the team leaders, and tech section, to stage the delivery trucks here in the morning, and push out from the EOC. We seem to run into last minute logistic issues that require iPad fixes, and/or map route re-draws, and it is more helpful to be able to address those issues here, rather than going to another facility where we can't have direct access to all of our personnel in the morning.

Also, if we anticipate going past Friday, we made need to have another request for personnel generated by the SEOC as our current plan is only projected through Friday the 22nd.

From: MSP-EOC-MDSP
Sent: Tuesday, January 19, 2016 12:39 PM
To: Dehner, Amy (MSP); Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Answers are starred below

- Will this require us to supply dinner to the volunteers/distribution teams? Currently, we are supplying only lunch.
**We will need to feed our personnel and Logistics can add meals to the Local EOC dinner plan. The guard is eating on the economy.

- The GCSO advised that they are at minimum staffing with our current distribution model. If we push to delivery after 1700HRS, they CANNOT assist us outside of supplying ' 'his includes personnel that staff the mapping operations, which has been critical to our success to this point.
**We are discussing having the Guard shift be strictly 1300-2100 with ARC covering the normal day shift. If we switch to this model, we will need to provide staff for eams, 1300-2100. Day shift teams will continue for the Red Cross as current (no MSP or GCSD staff).

- Is the number of National Guard soldiers anticipated to be TOTAL for the day, or soldiers per shift? We have enough projected staffing through the Flint Post to support up to ' ;oldiers, (ı) working 12 hour shifts through Friday January 22nd. We don't have resources in place past that point. Anything past _ bodies will require that we seek staffing outside of Post resources.
** Beginning on Thursday, the Guard will be providing ılders for WRT detail and :ommand staff teams of 10.

- Will the data for residences that show as "no answer" be produced by the SEOC, prior to Thursday so that we have an opportunity to pre-plan distribution routes?
**I am submitting a MiCIMS resource request to GIS for this right now. The resource request number is SEOC – 8951057 Resource request is for the following:
Please prepare a GIS Map for Water Response Team use with the following layers:
Ward/Precinct
"Homes Visited" Resource delivered
Homes Visited, but "No Answer"

From: Dehner, Amy (MSP)
Sent: Tuesday, January 19, 2016 11:52 AM
To: MSP-EOC-MDSP; Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

One more thing, sorry:

- Will the data for residences that show as "no answer" be produced by the SEOC, prior to Thursday so that we have an opportunity to pre-plan distribution routes?

From: MSP-EOC-MDSP
Sent: Tuesday, January 19, 2016 11:39 AM
To: Dehner, Amy (MSP); Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

I will begin working on answers to the bullets and advise.

From: Dehner, Amy (MSP)
Sent: Tuesday, January 19, 2016 11:37 AM
To: MSP-EOC-MDSP; Kish, Thomas (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Julin is Mapes is

A couple of things worth mentioning for planning to move to a ;hift concept on Thursday:

- Will this require us to supply dinner to the volunteers/distribution teams? Currently, we are supplying only lunch.
- The GCSO advised that they are at minimum staffing with our current distribution model. If we push to delivery after 1700HRS, they CANNOT assist us outside of supplying marked units. This includes personnel that staff the mapping operations, which has been critical to our success to this point.
- Is the number of National Guard soldiers anticipated to be for the day, or .t? We have enough projected staffing through the Flint Post to support up to (1 marked unit per team) working 12 hour shifts through Friday January 22nd. We don't have resources in place past that point. Anything past bodies will require that we seek staffing outside of Post resources.

From: MSP-EOC-MDSP
Sent: Tuesday, January 19, 2016 11:06 AM
To: Kish, Thomas (MSP)
Cc: Dehner, Amy (MSP)
Subject: RE: Flint Water OIC for Friday 1/22

Okay.

We will adjust our schedule here.

Can I get contact #s for Julin and Mapes?

I have the following for Sims and Luty, please advise if they are incorrect:
Sims
Luty

Finally, FYSA: we are working on modifying the hours of operation starting on Thursday. Right now, we are considering a two shifts, the normal shift we have been running (0800-1700) and an afternoon shift of 1300-2100. Please advise if we will be able to support the guard for this shift. We still need to figure out the number of teams on each shift.

I'm open to suggestions.

Matt

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 10:53 AM
To: MSP-EOC-MDSP
Subject: Flint Water OIC for Friday 1/22
Importance: High

A correction for this Friday, F/Lt. Chris Luty, West Branch PC will be the OIC at the Genesee County EOC. I had previously reported it would be F/Lt Dave Simon Tri-City PC which is not accurate.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

Beckner, Jessina (MSP)

From: Dehner, Amy (MSP)
Sent: Friday, January 22, 2016 7:05 PM
To: Kelenske, Chris (MSP); Kish, Thomas (MSP); Taylor, Suzan (MSP); Budde, Brian (MSP); Kelly, David (MSP); Bolger, Matt (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Bempong, Akosua (MSP)
Cc: Kluytman, Julie (MDOS); Ames, Corey (MSP); Nevin, Michael (MSP)
Subject: RE: GCVM Militia Rally - City of Flint, Flint City Hall,- Sunday January 24, 2016, 2 p.m.
Attachments: How to UNZIP.html; SecureZIP Attachments.zip

Sir,

I spoke with LTC. Stemitz and his POD commander reference the below. On 1/21/16, there were 2 total incidents in which individuals threatened to bring members of their gangs back (one verbally identified his gang as the "Pierson" gang) at both the #8, and #6 fire stations, because they felt they weren't being given enough water. No weapons were displayed in these incidents, and nothing has occurred since that date that could be construed as a continuation of those events.

As a side note, we were made aware following our 6pm distribution conference call by a member of the National Guard that one of their soldiers was spit on earlier today by an unruly female citizen. MSP and GSCO law enforcement in the meeting reviewed the contact procedures with POD soldiers by which they can notify by both agencies via radio at the EOC for response should this happen again in the future.

I hope this helps to clarify the issue you outlined in the original email. Please let me know if you have further questions.

From: Kelenske, Chris (MSP)
Sent: Friday, January 22, 2016 4:29 PM
To: Kish, Thomas (MSP); Taylor, Suzan (MSP); Budde, Brian (MSP); Kelly, David (MSP); Bolger, Matt (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Dehner, Amy (MSP); Bempong, Akosua (MSP)
Cc: Kluytman, Julie (MSP); Ames, Corey (MSP); Nevin, Michael (MSP)
Subject: RE: GCVM Militia Rally - City of Flint, Flint City Hall,- Sunday January 24, 2016, 2 p.m.

Can we confirm the information on gangs and guns. I spoke with the NG at the PODs and they advised they have seen guns but when people are reaching for water and their shirts go up exposing a side arm. Are there other specific cases we need to be made aware? We are getting a different story on this. Thanks,

---

From: Kish, Thomas (MSP)
Sent: Friday, January 22, 2016 4:16 PM
To: Taylor, Suzan (MSP); Budde, Brian (MSP); Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Dehner, Amy (MSP); Bempong, Akosua (MSP)
Cc: Kluytman, Julie (MSP); Ames, Corey (MSP); Nevin, Michael (MSP)
Subject: RE: GCVM Militia Rally - City of Flint, Flint City Hall,- Sunday January 24, 2016, 2 p.m.

All,

Flint Post squads have been made aware of this rally and will have additional patrols in the area.

F/Lt. Thomas Kish

Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

From: Taylor, Suzan (MSP)
Sent: Friday, January 22, 2016 3:39 PM
To: Budde, Brian (MSP); Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Kish, Thomas (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Dehner, Amy (MSP); Bempong, Akosua (MSP)
Cc: Kluytman, Julie (MSP); Ames, Corey (MSP); Nevin, Michael (MSP)
Subject: - City of Flint, Flint City Hall,- Sunday January 24, 2016, 2 p.m.

Good Afternoon,

MIOC Analyst Koko Bempong disseminated information earlier this afternoon indicating there have been problems with gang members at some of the fire stations distributing water in Flint. There are individuals coming to get water who are flashing gang signs and showing weapons they have on their persons. There is a potential for rival members from neighborhood gangs to come in contact with each other. With the current animosity toward law enforcement, the gang members could also have a negative view of the uniformed militia members. A copy of Koko's email is attached.

I will continue to monitor this event for public safety and situational awareness. I will send an update if new information is posted in the event page. Please let me know if you have any questions.

Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Report suspicious activity Website: www.michigan.gov/michtip Email: MIOC@michigan.gov TIP Line: 855-MICHTIP (642-4847)

This e-mail transmission and any attachments may contain MIOC/DSEMIIC privileged and sensitive information intended only for the use of the addressee. It contains information that may be exempt from public release under the Freedom of Information Act (5 U.S.C. 552). Any dissemination, distribution, copying or action taken in reliance on the contents of this e-mail by anyone other than

the intended recipient is strictly prohibited. No portion of this transmission should be furnished to the public or the media, either in written or verbal form.

From: Budde, Brian (MSP)
Sent: Thursday, January 21, 2016 3:22 PM
To: Taylor, Suzan (MSP)
Cc: Kluytman, Julie (MSP)
Subject: Fwd: Michigan Militia March - City of Flint - Friday January 22, 2016

Sue

Please provide an update to this.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY."

Sent from my iPhone

Begin forwarded message:

> **From:** MSP-EOC-MDSP <MSP-EOC-MDSP@michigan.gov>
> **Date:** January 21, 2016 at 3:18:19 PM EST
> **To:** MIOC <MIOC@michigan.gov>
> **Cc:** "Operations, Lts, Lieutenants (MSP)" <OperationsLts@michigan.gov>, "Budde, Brian (MSP)" <BuddeB1@michigan.gov>, "Kelly, David (MSP)" <KellyD@michigan.gov>
> **Subject: FW: City of Flint - Friday January 22, 2016**
>
> FYSA
>
> ---
>
> **From:** Dehner, Amy (MSP)
> **Sent:** Thursday, January 21, 2016 3:17 PM
> **To:** Operations, Lts, Lieutenants (MSP)
> **Cc:** MSP-EOC-MDSP; Kapp, Gene (MSP); Gasper, Joe (MSP); Kish, Thomas (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP)
> **Subject:** Michigan Militia March - City of Flint - Friday January 22, 2016
>
> For your situational awareness –

Lt. Cronkright of the Genesee County Sheriff's Office (working in the EOC) advised that a member of the Michigan Militia (MM) showed up to volunteer a short time ago at the local EOC in Flint. He was provided information for the American Red Cross's Volunteer Reception Center, at which point he notified the Lieutenant that the MM was planning a peaceful March on Flint City Hall on Friday January 22, 2016, beginning at approximately 10am. He stated that he was expecting approximately 1,000 militia members, and that they had informed local public officials, however he was unsure if anyone had notified personnel in the local EOC.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Monroe, Cindy (MSP)
Sent: Friday, January 15, 2016 7:39 AM
To: Sipes, Stephen (MSP)
Cc: Kish, Thomas (MSP); Dehner, Amy (MSP)
Subject: RE: Index/PCA for Sergeants/Troopers for Flint Water Emergency

Inspector Sipes:

Thank you for the information. I will just need to know when Dave Morris has completed the project/phase codes.

From: Sipes, Stephen (MSP)
Sent: Friday, January 15, 2016 7:35 AM
To: Monroe, Cindy (MSP)
Cc: Kish, Thomas (MSP); Dehner, Amy (MSP); Sparks, Keith (MSP); Dakin, Val (MSP); Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
Subject: RE: Index/PCA for Sergeants/Troopers for Flint Water Emergency

I sent a message to Dave Morris. Those assigned inside the EOC can use the pca/index sent out earlier. Sgt and troopers bill to post overtime. Reimbursement will come later. Do not use SCP overtime for tprs and sgts. Only post overtime.

Sent from my Windows Phone

From: Monroe, Cindy (MSP)
Sent: 1/15/2016 6:48 AM
To: Sipes, Stephen (MSP)
Cc: Kish, Thomas (MSP); Dehner, Amy (MSP); Sparks, Keith (MSP); Dakin, Val (MSP)
Subject: Index/PCA for Sergeants/Troopers for Flint Water Emergency

Inspector Sipes:

Lt. Dehner spoke with me last night and instructed me to contact you reference an Index/PCA for sergeants and troopers who are working the Flint Water Emergency. She advised the Index 28900/PCA 28670 was to be used only for lieutenants and above. Please let know ASAP as we have early payroll and I have started entering time. Otherwise, I will have to enter it under regular overtime PCA 32910 for sergeants and 32920 for troopers. Thank you.

Beckner, Jessina (MSP)

From: Sims, Shannon (MSP)
Sent: Friday, February 05, 2016 8:40 AM
To: Kapp, Gene (MSP)
Cc: Sims, Shannon (MSP); Kish, Thomas (MSP); Sipes, Stephen (MSP)
Subject: Re: Karegnondi Water Authority Meeting, February 17, 2016, 2 p.m., Lapeer County Council Chambers

Got it, I will check with the sheriff department and city to see if they have any info on this and their staffing.

Shannon
Sent from my iPhone

On Feb 5, 2016, at 8:08 AM, Kapp, Gene (MSP) <KappG@michigan.gov> wrote:

From: Taylor, Suzan (MSP)
Sent: 2/5/2016 8:00 AM
To: Kapp, Gene (MSP)
Cc: Furnish, Nicole (MSP); Grant, Rebecca (MSP); Budde, Brian (MSP)
Subject: Karegnondi Water Authority Meeting, February 17, 2016, 2 p.m., Lapeer County Council Chambers

Captain Kapp,

The Karegnondi Water Authority (KWA) is holding a public meeting on Wednesday, February 17, 2016 at 2 p.m. in the Lapeer County Council Chambers, 255 Clay Street, Lapeer, Michigan. The KWA notice indicates all citizens wishing to express opinions or make comments during the meeting are invited to attend. It appears there could be a large presence of Flint Citizens at the meeting.

This information is being shared for situational awareness.

Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

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<image001.png>

Beckner, Jessina (MSP)

From: Dehner, Amy (MSP)
Sent: Sunday, January 24, 2016 3:39 PM
To: Budde, Brian (MSP); Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Kish, Thomas (MSP); Nevin, Michael (MSP); Kluytman, Julie (MDOS); Sipes, Stephen (MSP); MSP-EOC-MDSP; Taylor, Suzan (MSP)
Subject: RE: Militia Standing with Flint Event at Flint City Hall Today, 2 p.m.

FYI – Militia Rally Update

There are currently less than 30 personnel peacefully assembled in front of Flint City Hall. They appear to be bringing the rally to an end, and both on scene news crews are departing the area as well. No other significant activity to report at time of publish>>>>>>>>>>>>>>>>>>>>>>>>

From: Dehner, Amy (MSP)
Sent: Sunday, January 24, 2016 2:13 PM
To: Budde, Brian (MSP); Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Kish, Thomas (MSP); Nevin, Michael (MSP); Kluytman, Julie (MSP); Sipes, Stephen (MSP); MSP-EOC-MDSP; Taylor, Suzan (MSP)
Subject: RE: Militia Standing with Flint Event at Flint City Hall Today, 2 p.m.

FYI – Militia Rally Update

At present, apx. 60 militia members are peacefully assembled in front of Flint City Hall, and have been since 1:45pm. No other significant activity to report at time of publish>>>>>>>>>

From: Budde, Brian (MSP)
Sent: Sunday, January 24, 2016 11:57 AM
To: Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Kapp, Gene (MSP); Kish, Thomas (MSP); Nevin, Michael (MSP); Kluytman, Julie (MSP); Dehner, Amy (MSP); Sipes, Stephen (MSP); MSP-EOC-MDSP; Taylor, Suzan (MSP)
Subject: Fwd: Standing with Flint Event at Flint City Hall Today, 2 p.m.

Update to today's militia event in flint.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY."

Sent from my iPhone

Begin forwarded message:

From: "Taylor, Suzan (MSP)" <TaylorS21@michigan.gov>
Date: January 24, 2016 at 11:07:21 AM EST
To: "Budde, Brian (MSP)" <BuddeB1@michigan.gov>
Cc: "Grant, Rebecca (MSP)" <GrantR@michigan.gov>
Subject: Standing with Flint Event at Flint City Hall Today, 2 p.m.

Good Morning,

This is expected to be a peaceful show of support to collect water for the citizens of Flint.

I will continue to monitor this event for public safety and situational awareness. I will send an update if new information is posted in the event page. Please let me know if you have any questions.

Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

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Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Thursday, January 14, 2016 8:29 AM
To: Kapp, Gene (MSP)
Subject: RE: MSP Resource Request - Flint Water Response Teams

Where do we find troopers?

From: Kapp, Gene (MSP)
Sent: Wednesday, January 13, 2016 9:26 PM
To: Kish, Thomas (MSP); Sipes, Stephen (MSP)
Subject: FW: MSP Resource Request - Flint Water Response Teams

Tom Steve

FYI

Gene

From: Kelenske, Chris (MSP)
Sent: 1/13/2016 9:10 PM
To: Sands, Thomas (MSP)
Cc: Kapp, Gene (MSP)
Subject: RE: MSP Resource Request - Flint Water Response Teams

I discussed with Matt Bolger and Mike Johnson and we are on the same page. The only thing that all need to be aware of is I anticipate ramping up the teams significantly as logistics can support. We will likely need to add a layer between the MSP WRT Commander and field commanders – that would probably be an ARC lead, A State Agency lead, Other volunteer lead, and a County lead so the WRT commander has good span of control. I am thinking we could get to the point where we have teams (best case scenario).

The WRT commander can figure that out but I am good with this - MSP needs to coordinate all the teams sir.

Chris

From: Sands, Thomas (MSP)
Sent: Wednesday, January 13, 2016 8:21 PM
To: Kelenske, Chris (MSP)
Cc: Kapp, Gene (MSP)
Subject: Fwd: MSP Resource Request - Flint Water Response Teams

Chris,

I just want to make sure you are in the loop and support transferring these duties to FSB. I will approve with your support.

Thanks.

Tom

Sent from my iPad

Begin forwarded message:

From: MSP-EOC-MDSP <MSP-EOC-MDSP@michigan.gov>
Date: January 13, 2016 at 7:56:20 PM EST
To: "Kapp, Gene (MSP)" <KappG@michigan.gov>
Cc: "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Kelly, David (MSP)" <KellyD@michigan.gov>, "Bolger, Matt (MSP)" <BolgerM@michigan.gov>, "Shaw, Jim (MSP)" <ShawJ@michigan.gov>, "Sands, Thomas (MSP)" <SandsT@michigan.gov>
Subject: MSP Resource Request - Flint Water Response Teams

Capt. Kapp,

Per our discussion, the SEOC has requested MSP FSB coordinate and manage the Flint Water Response Teams for the City of Flint-Water Contamination / Shortage incident. The POC at the EOC is Ms. Michelle Kuzera, she will be able to assist with any questions or concerns. MSP FSB will be responsible for the following:

- Establish a Water Response Team Commander for all team operations.
- Coordinate and manage Water Response Team structure.
- Coordinate and manage Water Response Team resources.
- Coordinate walking routes with concentration in the most hazardous lead level areas.
- Coordinate logistics for Water Response Teams.
- Coordinate iPad distribution and tracking.
- Coordinate and integrate with state, county, and local personnel as well as volunteers assigned to work on Water Response Teams.
- Coordinate and manage team security with MSP and County personnel.
- Determine hours of operation based on assessment of area, hours of daylight, and any other safety information pertinent to operations.
- Coordinate with Sheriff's department resources.
- Staff each team with the appropriate number of MSP enlisted personnel for security purposes.
- Provide a daily report of all activities to include best practices and issues or concerns.
- Attend the 9:30 am and 4:30 pm SEOC briefings via conference call as well as any other conference calls necessary to complete the above mission.

In addition to the above Water Response Team objectives MSP FSB is still responsible for all previously assigned tasks and functions.

Please feel free to contact me if you have any questions regarding this assignment. Please forward the contact information of the commander you have identified for this mission as well as a schedule for staffing this position once it has been assigned and established.

Insp. Matt Bolger

F/Lt. Mike Johnson

Beckner, Jessina (MSP)

From: MSP-EOC-MDSP
Sent: Tuesday, January 19, 2016 4:38 PM
To: Kish, Thomas (MSP)
Cc: Dehner, Amy (MSP); Sipes, Stephen (MSP)
Subject: RE: MSP Troopers for Water Emergency

Ok.

No afternoon shift, our operational period will be 1000-1800.

We appreciate it. I'm starting to work on the logistics for that adjustment.

Matt

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 4:31 PM
To: MSP-EOC-MDSP
Cc: Dehner, Amy (MSP); Sipes, Stephen (MSP)
Subject: RE: MSP Troopers for Water Emergency

If that is the request, we will make it happen.

From: MSP-EOC-MDSP
Sent: Tuesday, January 19, 2016 4:30 PM
To: Kish, Thomas (MSP)
Cc: Dehner, Amy (MSP)
Subject: RE: MSP Troopers for Water Emergency

Alright

Can your team do 10A-6P, Thursday through Sunday?

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 3:30 PM
To: MSP-EOC-MDSP
Cc: Dehner, Amy (MSP)
Subject: FW: MSP Troopers for Water Emergency

Additionally, do we really want to be going door to door after dark in some of these areas?

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 3:17 PM
To: Bolger, Matt (MSP)
Cc: Dehner, Amy (MSP)
Subject: MSP Troopers for Water Emergency

Inspector,

With the (proposed)deployment schedule moving to an afternoon shift, this will have significant impacts upon trooper availability for the water emergency from our post. Is this a necessary change? Is it possible to spot check residences on an "as needed" basis on an afternoon shift? We could probably make that accommodation. At this point, I'm not sure that completely changing the schedule that has been so effective up to this point is really necessary.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Tuesday, January 12, 2016 9:10 PM
To: Sipes, Stephen (MSP)
Subject: Re: MSP Water Distribution Operation - AAR

Excellent catch boss. I couldn't agree more.

On Jan 12, 2016, at 8:37 PM, "Sipes, Stephen (MSP)" <SipesS@michigan.gov> wrote:

> Yes, I'm concerned about draining the commanders at the Flint Post (Tom, Paul and Amy) to staff the EOC. We still have a major policing operation that's a priority- and our commanders are neck deep in this. Can EMHSD provide staffing for the ops center?
>
> Sent from my iPad
>
> On Jan 12, 2016, at 7:07 PM, "Kapp, Gene (MSP)" <KappG@michigan.gov> wrote:
>
> > Please advise if you have any requests from the SEOC. I have a 9am call tomorrow about funding for the possible duration.
> >
> > Gene
> >
> > ---
> >
> > **From:** Kish, Thomas (MSP)
> > **Sent:** 1/12/2016 5:30 PM
> > **To:** Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kapp, Gene (MSP)
> > **Subject:** FW: MSP Water Distribution Operation - AAR
> >
> > Updates..
> >
> > ---
> >
> > **From:** Dehner, Amy (MSP)
> > **Sent:** Tuesday, January 12, 2016 5:27 PM
> > **To:** MSP-EOC-MDSP
> > **Cc:** Pummill, Paul (MSP); Kish, Thomas (MSP); Sparks, Keith (MSP); Young, Patrick (MSP)
> > **Subject:** MSP Water Distribution Operation - AAR
> >
> > I'm sure after action reports are probably being done within the SEOC, but for what it is worth, a quick snapshot of today's day one operations may be beneficial for the higher planning to put more boots on the ground in Flint in the coming days, so here it goes:
> >
> > Mission:
> > teams (employees), supported by and (2) 24' UHaul trucks, conducted water delivery operations within the 43rd precinct, beginning at apx 1030 HRS, and ending at 1700 HRS today. The target for today was 150 houses, however final data was not available at the time of publish.

Recommend to Sustain on 1-13-16:

-- Continued use of UHaul type trucks. They are low to the ground, easy to load and more important, to off-load. Easily maneuvered on city streets, especially given poor road conditions, and parked/disabled vehicles on city side streets. DTMB trucks are at a height that makes accessing cargo difficult, and puts volunteers at risk of injury clearing the 5' high box entry.

--iPads and in car mobile terminals. (8) iPads supplied by the City and used by DHHS, made real time data uploads possible and gave a more accurate depiction of ground operations. The ability to push GIS mapping material to troopers vehicles via email facilitated their abilities to make on the ground changes with routes, without having to coordinate through the EOC directly.

--Coordinated efforts with Deputies. A GCSO Lt and Captain on the ground and in the EOC were integral in helping us quickly put together a delivery system that was efficient, and allowed us to skip past obstacles they had already encountered in their previous day's work. In addition, it was GCSO that secured the UHaul trucks for us to use.

--Maintaining a large, central distribution point. This makes it easy to get trucks, vehicles, and supplies in and out very quickly.

As a side note, the delivery model used today was 1 UHaul truck. DHHS personnel, and ; per street, and we covered at a time. DHHS doubled up going door to door (this was an internal decision made by them). If we were using only law enforcement, we could reduce this number to 10 volunteers per truck, but lower than that would slow down progress, more than 20 would just result in people getting in each other's way, and would make transporting them difficult, not to mention clogging up the street with transport vehicles (which happened today). We used the Sheriff's bus to move volunteers instead of their SUVs because the number of vehicles ended up creating congestion issues on the streets we were delivering on.

Recommend to consider changing on 1-13-16:

--Use of DTMB box trucks (see above). Securing more UHaul type trucks would speed up loading and off-loading.

--We can sustain meals from the EOC for the 60 personnel involved today. More than that is going to require an outside source.

--Using less vehicles to transport volunteers. We used the GCSO bus today, and can continue that until Sunday, however a central transportation unit seems to work best at this point, not individual SUVs for each 4 person team.

Sent from my iPad

Beckner, Jessina (MSP)

From: Furnish, Nicole (MSP)
Sent: Tuesday, January 26, 2016 1:33 PM
To: Budde, Brian (MSP); Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Sipes, Stephen (MSP); Kapp, Gene (MSP); Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-EOC-MDSP; Kaiser, David (MSP); Bempong, Akosua (MSP)
Subject: RE: Rachel Maddow - Flint Town Hall Meeting 1-27-2016
Attachments: Rachel Maddow RFI.docx

More info on the Rachel Maddow Town Hall attached.

Members of the made a statement to "take up arms" to defend the residents of Flint. No specific time or location was listed, but they should be expected at this event.

Nicole Furnish
Criminal Intelligence Analyst
Michigan State Police

Work: 810-733-9390

Fax: 810-733-9399

From: Budde, Brian (MSP)
Sent: Tuesday, January 26, 2016 12:54 PM
To: Kelly, David (MSP); Bolger, Matt (MSP); Kelenske, Chris (MSP); Sipes, Stephen (MSP); Kapp, Gene (MSP); Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-EOC-MDSP; Furnish, Nicole (MSP)
Subject: FW: Rachel Maddow - Flint Town Hall Meeting 1-27-2016

From: Taylor, Suzan (MSP)
Sent: Tuesday, January 26, 2016 12:47 PM
To: Budde, Brian (MSP)
Cc: Bempong, Akosua (MSP)
Subject: Rachel Maddow - Flint Town Hall Meeting 1-27-2016

Good Afternoon,

Tomorrow evening Rachel Maddow of MSNBC will host her show from Holmes School, 6602 Oxley Drive, Flint, Michigan. Guests of Maddow include Flint Mayor Karen Weaver, U.S. Senator Debbie Stabenow, Dr. Mona Hanna-Allisha of Hurley medical Center, and more. Two other events are scheduled in correlation to this show.

. (I'm not aware how people have been selected to attend the show or if there will be an audience.)

I will continue to monitor open sources for new information.

Thanks,

Sue

Suzan Taylor, CICA, Senior Intelligence Analyst
HSIN Situation Room Coordinator
Michigan Intelligence Operations Center
Michigan State Police – Headquarters
P.O. Box 30634
Lansing, MI 48909
Taylors21@michigan.gov
517-335-4601 Office

517-335-5163 Fax

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Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Wednesday, January 13, 2016 9:39 AM
To: Mapes, Todd (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
Subject: RE: Revised: Volunteers needed for water resource teams in Flint

Todd,

Pass our thanks for his willingness to help. At this time we do not support this. We are waiting for further instructions on our uniform requirements for the next two days as this need may increase.

If we need more uniform troopers then we will reach out for that assistance and Mark will be one of them.

From: Mapes, Todd (MSP)
Sent: Wednesday, January 13, 2016 8:51 AM
To: Sipes, Stephen (MSP)
Subject: FW: Revised: Volunteers needed for water resource teams in Flint

Sir,

Tpr. Mark Swales wanted to volunteer to assist the water resource team in Flint. He has my approval and is available 1/14/16 and 1/15/16. I have provided his information below. Please let me know if you need further.

Tpr. Mark Swales, swalesm@michigan.gov,

Thanks,

F/Lt. Todd C. Mapes
Post Commander
Michigan State Police, Caro Post
1485 Cleaver Rd
Caro, MI 48723
Phone: (989) 673-2156
Fax: (989) 673-1550.

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Colonel Etue [mailto:MichStatePolice@govsubscriptions.michigan.gov]
Sent: Tuesday, January 12, 2016 4:39 PM
To: Mapes, Todd (MSP)
Subject: Revised: Volunteers needed for water resource teams in Flint

Note: Dates are January 14 and January 15.

The department is soliciting volunteers from within the department, both enlisted and civilian, to join water resource teams working to hand out bottled water, water filters, replacement cartridges, and water testing kits at homes in the city of Flint. This effort is part of the state's response to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

Teams are being assembled for shifts on Thursday, January 14 and Friday, January 15. Volunteers will begin their assignment in Flint at 9 a.m. and end by 4 p.m. Volunteers can be available for one or both days. Lunch will be provided.

Employees chosen for this assignment are considered to be working on-duty; this assignment would be considered their scheduled work day. Overtime or compensatory time is not authorized for this assignment.

Transportation will be provided using state vehicles; mileage reimbursement for personal vehicles is not authorized. Volunteers should dress for working outdoors and wear foot attire appropriate for walking.

Interested employees should obtain the approval of their supervisor. **Supervisors must forward the names of approved volunteers and their email addresses through the chain of command to bureau with the date(s) available by 1 p.m. tomorrow, Wednesday, January 13.**

Confirmation of selected employees, along with additional logistical details, will be made via email by 5 p.m. on Wednesday, January 13.

For questions, please contact Insp. Scott Marier at 517-373-7761.

This email was sent to mapest@michigan.gov using GovDelivery, on behalf of: Michigan State Police · 333 S Grand Ave P.O Box 30634 · Lansing, MI 48933

Beckner, Jessina (MSP)

From: Dehner, Amy (MSP)
Sent: Thursday, January 14, 2016 5:52 PM
To: Jones, Richard (MSP); Troutt, Michael (MSP); Sloan, Jeremy (MSP); Winnie, Craig (MSP); Miller, Jonathan (MSP); Skrbec, Steven (MSP); Philipps, Michael (MSP); Kane, Anne (MDOS); Kane, Rick (MSP); Gooch, John (MSP); Gooch, John (MSP); Nease, Dan (MSP); Nease, Dan (MSP); Williams Jr, Tarzza (MSP); Poyhonen, Brian (MSP); Pravato, Mark (MSP); Hessling, Austin (MSP); Martin, Aaron (MSP); Smith, William (MSP); Cairnduff, Bryan (MSP); Adams Steve H. (MDOC); Adams, Scott (MSP); Dhooghe, Thomas (MSP)
Cc: Kish, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Mapes, Todd (MSP); Simon, David (MSP); Pennell, Ryan (MSP); Sparks, Keith (MSP)
Subject: RE: Troopers Assigned to Flint City Water Detail - Friday January 15, 2016

Importance: High

CLARIFICATION:

The below email should read FRIDAY, January 15th -----

From: Dehner, Amy (MSP)
Sent: Thursday, January 14, 2016 5:43 PM
To: Jones, Richard (MSP); Troutt, Michael (MSP); Sloan, Jeremy (MSP); Winnie, Craig (MSP); Miller, Jonathan (MSP); Skrbec, Steven (MSP); Philipps, Michael (MSP); Kane, Anne (MDOS); Kane, Rick (MSP); Gooch, John (MSP); Gooch, John (MSP); Nease, Dan (MSP); Nease, Dan (MSP); Williams Jr, Tarzza (MSP); Poyhonen, Brian (MSP); Pravato, Mark (MSP); Hessling, Austin (MSP); Martin, Aaron (MSP); Smith, William (MSP); Cairnduff, Bryan (MSP); Adams Steve H. (MDOC); Adams, Scott (MSP); Dhooghe, Thomas (MSP)
Cc: Kish, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Mapes, Todd (MSP); Simon, David (MSP); Pennell, Ryan (MSP); Sparks, Keith (MSP)
Subject: Troopers Assigned to Flint City Water Detail - Friday January 15, 2016

All,

In continuing State of Emergency water filter distribution operations in the City of Flint, you have been tasked to support security operations tomorrow for MSP volunteers, Thursday January 14, 2016. Please ensure those under your command have been notified about their report time and location, as there are resources being utilized outside that of the Flint Post. Below is operational assembly information that is critical for you to read as this is very short notice:

MISSION:
Providing water filter escort/traffic control/security for 120 MSP and DHHS volunteers (broken into 10 distribution teams) who will be distributing water and filters door to door tomorrow in the City of Flint. The majority of your operations will be conducted from your patrol car, on city streets. This mission is being sustained in coordinated support with deputies from the Genesee County Sheriff's Office, who are also supplying marked patrol units.

TIME:
0730 HRS Briefing
1700 HRS Release to home post assignment

LOCATION:
Genesee County Administration Building (Directly across from Flint City Hall)

Emergency Operations Center (EOC)
1105 Beach Street
Basement Level

PARKING:
Parking is available on Saginaw Street directly in front of the county building (east side), or in the adjacent church parking lot on Beach Street

NOTABLE EQUIPMENT REQUIREMENTS:

High visibility vest (in vehicle)
Garrison cap and/or department issued cold weather headgear

RADIO CHANNELS:

MEALS:
Lunch will be provided at noon at the EOC

GROUND OPERATION OIC(s):
Tpr. Rick Jones -

EOC COMMANDERS FOR FRIDAY JANUARY 14, 2016:
Lt. Amy Dehner
(Relief Officer) Lt. Pat Young !
F/Lt. Tom Kish

OTHER INFORMATION:
This is a high-visibility event for the public and media as well. Please expect members of Executive Council to attend and participate, and/or possibly want to ride along with you in your patrol car.

If there are any questions about this assignment, please contact any of the above EOC Commanders for Friday, January 14, 2016.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Tuesday, January 19, 2016 4:48 PM
To: Sipes, Stephen (MSP); Sims, Shannon (MSP); Mapes, Todd (MSP); Simon, David (MSP); Luty, Christopher (MSP); Pennell, Ryan (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Dehner, Amy (MSP)
Subject: RE: Troopers for water delivery in Flint

All,

We need to sustain (and slightly add) to our current trooper strength now through Sunday 1/24. Some end-game discussions have already begun. I am requesting the continued use of troopers from Lapeer , Tri-City and Caro). You'll see that I am asking for one additional from Lapeer and Tri-City to support the expected National Guard soldiers arriving. Again, our mission is one of security to the water team deliveries. The hours have changed and will be 1000-1800 each day. Reporting location remains the same at the EOC in Genesee County.

Thank you for your contributions to this critical MSP effort. Call myself or Lt. Dehner with questions.

Tom

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

-----Original Message-----
From: Sipes, Stephen (MSP)
Sent: Tuesday, January 19, 2016 3:33 PM
To: Sims, Shannon (MSP); Mapes, Todd (MSP); Simon, David (MSP); Luty, Christopher (MSP); Pennell, Ryan (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Kish, Thomas (MSP); Dehner, Amy (MSP)
Subject: RE: Troopers for water delivery in Flint

Commanders;

FYI - we still do not know our commitment level.

We will send out as soon as the request from SEOC is released.

-----Original Message-----
From: Sipes, Stephen (MSP)
Sent: Monday, January 18, 2016 7:49 PM
To: Sims, Shannon (MSP); Mapes, Todd (MSP); Simon, David (MSP); Luty, Christopher (MSP); Pennell, Ryan (MSP)

Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Kish, Thomas (MSP); Dehner, Amy (MSP)
Subject: Troopers for water delivery in Flint

Commanders,

I'm trying to gauge our ability to increase trooper strength by another s is already in addition to the troopers you are supplying now.

How many additional off duty troopers could you muster for 12 hour shifts in Flint? Pass along what you think you might realistically be able to send - starting Wednesday morning.

NOT PUBLIC KNOWLEDGE.

Send me a response by noon tomorrow

Sent from my iPad

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Tuesday, February 02, 2016 9:14 AM
To: Bempong, Akosua (MSP)
Cc: Kapp, Gene (MSP); Sipes, Stephen (MSP)
Subject: RE: Water Rally

Thanks Koko.

From: Bempong, Akosua (MSP)
Sent: Tuesday, February 02, 2016 9:13 AM
To: Dehner, Amy (MSP); Kish, Thomas (MSP)
Cc: Furnish, Nicole (MSP); Young, Patrick (MSP); Pummill, Paul (MSP)
Subject: Water Rally

I received information from Flint PD yesterday that the organizers of that water rally at First Trinity Baptist are planning to hold another meeting/rally today at the same location. No time was given but I assume it will be around the same time. I haven't seen any other information about it but if I hear anything else, I will keep you posted.

Koko

AKOSUA BEMPONG
Intelligence Analyst (Flint, MI)
Intelligence Operations Division
Michigan State Police
333 S. Grand Ave
Lansing, Michigan 48933

Fax: 810-237-6969

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From: Colonel Etue <MichStatePolice@govsubscriptions.michigan.gov>
Sent: Tuesday, January 12, 2016 4:39 PM
To: Sipes, Stephen (MSP)
Subject: Revised: Volunteers needed for water resource teams in Flint

Note: Dates are January 14 and January 15.

The department is soliciting volunteers from within the department, both enlisted and civilian, to join water resource teams working to hand out bottled water, water filters, replacement cartridges, and water testing kits at homes in the city of Flint. This effort is part of the state's response to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

Teams are being assembled for shifts on Thursday, January 14 and Friday, January 15. Volunteers will begin their assignment in Flint at 9 a.m. and end by 4 p.m. Volunteers can be available for one or both days. Lunch will be provided.

Employees chosen for this assignment are considered to be working on-duty; this assignment would be considered their scheduled work day. Overtime or compensatory time is not authorized for this assignment.

Transportation will be provided using state vehicles; mileage reimbursement for personal vehicles is not authorized. Volunteers should dress for working outdoors and wear foot attire appropriate for walking.

Interested employees should obtain the approval of their supervisor. **Supervisors must forward the names of approved volunteers and their email addresses through the chain of command to bureau with the date(s) available by 1 p.m. tomorrow, Wednesday, January 13.**

Confirmation of selected employees, along with additional logistical details, will be made via email by 5 p.m. on Wednesday, January 13.

For questions, please contact Insp. Scott Marier at 517-373-7761.

This email was sent to sipess@michigan.gov using GovDelivery, on behalf of Michigan State Police · 333 S Grand Ave · P O Box 30634 Lansing, MI 48933

Beckner, Jessina (MSP)

From: Kish, Thomas (MSP)
Sent: Wednesday, January 13, 2016 1:30 PM
To: MSP-EOC-MDSP
Cc: Dehner, Amy (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Sipes, Stephen (MSP); Kapp, Gene (MSP); Kanicki, Bonnie (MSP)
Subject: SIT REP Flint Water
Attachments: SITREP 1300 HRS.docx

Please find the attached SIT REP.

F/Lt. Thomas Kish
Commander
Michigan State Police-Flint Post
G 4481 Corunna Rd
Flint, MI 48532
(810)732-1111

Genesee County EOC – MSP State Security Officer SITREP

DATE/TIME:

01/13/16 at 1300 HRS

Prepared by F/Lt. Thomas Kish, Flint Post

AGENCIES PRESENT:

MSP EMHSD/ Flint Post Personnel, DEQ, American Red Cross, Genesee County local emergency manager, Genesee County Sheriff

ACTIVITY SUMMARY:

- Distributions into hotspot #2 are accelerating ahead of schedule as we gain efficiency
- National Guard water distributions are ongoing and proceed with no incidents reported
- Currently water supply is considered adequate, with filter inventory low. Additional filters expected by 1330 HRS today.
- Ongoing discussion about how many additional volunteers may be needed. The availability of an additional 75 civilian and uniformed may be unnecessary for Thursday and Friday. Additional information to follow as supply chain and logistical issues continue to be worked out.

SAFETY ASSESSMENT:

Streets and major expressways in Flint remain ice covered and slippery. City streets are more easily navigated today. National weather service reports are monitored hourly. Temperatures inspected to rise this afternoon.

MSP RESOURCES REQUESTED THIS DATE/STATUS:

-NO ADDITIONAL RESOURCES REQUESTED AS OF THIS PUBLISH TIME

NEXT SITREP PUBLISH TIME / SECURITY OFFICER for 01/12/2016:

1600 Sgt. Keith Sparks, Flint Post

Beckner, Jessina (MSP)

From: Sipes, Stephen (MSP)
Sent: Tuesday, January 12, 2016 12:44 PM
To: Sims, Shannon (MSP); Sims, Shannon (MSP); Mapes, Todd (MSP)
Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Sipes, Stephen (MSP)
Subject: Trooper Staffing for Flint Water Emergency Situation

Importance: High

Commanders;

Ref the state of emergency response to the Flint water crisis – additional MSP resources are being requested. Currently the Flint Post is supplying a squad of troopers for security and traffic control for the water/filter distribution trucks that have been deployed in the neighborhood.

Effective Saturday, January 16th and continuing through Friday January 22- additional Third District troopers will be utilized to supplement the Flint post for this operation.

I am requesting . each from Lapeer, Caro and Tri-City to augment a squad from Flint consisting of Sgt and

The time frame of this request is January 16th and tentatively through January 22. (may end sooner or may go longer)

This will require a 7:30am arrival at the Flint operations center and curtail around 5p on the above listed dates.

Lt. Amy Dehner is the POC for this project and she can be reached at cell She can provide you with further reporting details and requirements of this assignment.

Note: Please staff with ON-DUTY personnel. If overtime is needed for staffing or end of shift hold overs, this will come from YOUR POST overtime line – with reimbursement down the road (hopefully!)- so do your best to staff with personnel working already.

SCP (Flint and Saginaw) overtime CAN NOT BE USED for this operation.

Lt. Dehner has PCA/INDEX for tracking purpose (not overtime) of those assigned – she can provide you with further on time accounting.

By noon on Thursday, January 14, please send the name of your assigned trooper to Lt. Dehner with a cc to me.

Thanks.

Steve

Inspector Stephen Sipes
Michigan State Police
Assistant District Commander
Third District Headquarters
G-4495 Corunna Rd.,
Flint, MI 48532

TX: 810-733-9380
Fax: 810-733-9399

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Beckner, Jessina (MSP)

From:	Dehner, Amy (MSP)
Sent:	Thursday, January 14, 2016 5:43 PM
To:	Jones, Richard (MSP); Troutt, Michael (MSP); Sloan, Jeremy (MSP); Winnie, Craig (MSP); Miller, Jonathan (MSP); Skrbec, Steven (MSP); Philipps, Michael (MSP); Kane, Anne (MDOS); Kane, Rick (MSP); Gooch, John (MSP); Gooch, John (MSP); Nease, Dan (MSP); Nease, Dan (MSP); Williams Jr, Tarzza (MSP); Poyhonen, Brian (MSP); Pravato, Mark (MSP); Hessling, Austin (MSP); Martin, Aaron (MSP); Smith, William (MSP); Cairnduff, Bryan (MSP); Adams Steve H. (MDOC); Adams, Scott (MSP); Dhooghe, Thomas (MSP)
Cc:	Kish, Thomas (MSP); Pummill, Paul (MSP); Young, Patrick (MSP); Kapp, Gene (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Mapes, Todd (MSP); Simon, David (MSP); Pennell, Ryan (MSP); Sparks, Keith (MSP)
Subject:	Troopers Assigned to Flint City Water Detail - Friday January 15, 2016
Attachments:	How to UNZIP.html; SecureZIP Attachments.zip

All,

In continuing State of Emergency water filter distribution operations in the City of Flint, you have been tasked to support security operations tomorrow for MSP volunteers, Thursday January 14, 2016. Please ensure those under your command have been notified about their report time and location, as there are resources being utilized outside that of the Flint Post. Below is operational assembly information that is critical for you to read as this is very short notice:

MISSION:
Providing water filter escort/traffic control/security for 120 MSP and DHHS volunteers (broken into 10 distribution teams) who will be distributing water and filters door to door tomorrow in the City of Flint. The majority of your operations will be conducted from your patrol car, on city streets. This mission is being sustained in coordinated support with deputies from the Genesee County Sheriff's Office, who are also supplying marked patrol units.

TIME:
0730 HRS Briefing
1700 HRS Release to home post assignment

LOCATION:
Genesee County Administration Building (Directly across from Flint City Hall)
Emergency Operations Center (EOC)
1105 Beach Street
Basement Level

PARKING:
Parking is available on Saginaw Street directly in front of the county building (east side), or in the adjacent church parking lot on Beach Street

NOTABLE EQUIPMENT REQUIREMENTS:

High visibility vest (in vehicle)
Garrison cap and/or department issued cold weather headgear

RADIO CHANNELS:

MEALS:
Lunch will be provided at noon at the EOC

GROUND OPERATION OIC(s):
Tpr. Rick Jones -

EOC COMMANDERS FOR FRIDAY JANUARY 14, 2016:
Lt. Amy Dehner
(Relief Officer) Lt. Pat Young
F/Lt. Tom Kish .

OTHER INFORMATION:
This is a high-visibility event for the public and media as well. Please expect members of Executive Council to attend and participate, and/or possibly want to ride along with you in your patrol car.

If there are any questions about this assignment, please contact any of the above EOC Commanders for Friday, January 14, 2016.

Lt. Amy Dehner
Assistant Post Commander
Michigan State Police - Flint Post
G-4481 Corunna Road
Flint, MI 48532
Phone: (810) 732-1111

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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From: Sipes, Stephen (MSP)
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Cc: Kapp, Gene (MSP); Kanicki, Bonnie (MSP); Kish, Thomas (MSP); Dehner, Amy (MSP)
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NOT PUBLIC KNOWLEDGE.

Send me a response by noon tomorrow

Sent from my iPad

Beckner, Jessina (MSP)

From: State of Michigan <MISOM@govsubscriptions.michigan.gov>
Sent: Thursday, January 14, 2016 5:30 PM
To: Sipes, Stephen (MSP)
Subject: Volunteer Opportunity in Flint

The State Emergency Operations Center (SEOC) is coordinating a response to the ongoing health and safety issues in the city of Flint's drinking water. Teams from the Michigan State Police, Genesee County Sheriff's Department, Michigan Department of Health and Human Services, and volunteer organizations have been delivering bottled water, water filters, replacement cartridges and water testing kits at homes in the city of Flint since Tuesday.

To help with this critical work, the SEOC is looking for volunteers to expand this effort and continue this distribution during the upcoming holiday weekend. Teams are being assembled for shifts on Saturday, January 16; Sunday, January 17; and Monday, January 18, 2016. If you are interested in volunteering your time for this critical work, please complete the information in one of the attached surveys (depending on which day you are volunteering).

To volunteer on Saturday, January 16, https://www.surveymonkey.com/r/28NVJBL

To volunteer on Sunday, January 17, https://www.surveymonkey.com/r/26NMJKK

To volunteer on Monday, January 18, https://www.surveymonkey.com/r/26P7P5G

Volunteers will begin their assignment at the Local Emergency Operations Center located in the Genesee County Administration Building located at 1101 Beach St, Flint at 9 a.m. and end by 4 p.m. Parking is available at the corner of Beach Street and 8th Street. Lunch will be provided. This is strictly a volunteer effort, as all three days will be unpaid. Volunteers are responsible for their own transportation; mileage reimbursement for personal vehicles is not authorized. Volunteers should dress for working outdoors and wear foot attire appropriate for walking.

This opportunity is for state employees and their immediate family members 16 years of age or older only, others looking to assist should volunteer through the American Red Cross in Flint. The volunteer coordination center for the Red Cross is located at 1401 S. Grand Traverse, Flint, MI. They are open from 9 a.m. to 7 p.m.

For more information on the state's response efforts, visit www.michigan.gov/flintwater.

This e-mail was sent to sipess@michigan.gov using GovDelivery on behalf of: the State of Michigan, 111 S. Capitol Ave., Lansing, MI. *You are receiving this message because you are a State of Michigan employee.*

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Beckner, Jessina (MSP)

From: Colonel Etue <MichStatePolice@govsubscriptions.michigan.gov>
Sent: Tuesday, January 12, 2016 4:25 PM
To: Sipes, Stephen (MSP)
Subject: Volunteers needed for water resource teams in Flint

The department is soliciting volunteers from within the department, both enlisted and civilian, to join water resource teams working to hand out bottled water, water filters, replacement cartridges, and water testing kits at homes in the city of Flint. This effort is part of the state's response to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

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For questions, please contact Insp. Scott Marier at 517-373-7761.

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Water Response Team: Concept of Operations and Support

Mission: Distribute filters and additional resources to all households within the impacted area

Concept of Operations and Support

1. Planning & Prioritization
    a. Plan Components
        i. Team Type: Mission, Resources (example: Vehicles, Team Members, Product)
        ii. Priority: Priority locations for distribution within the impact area
            1. Priority locations are determined based on 3 projections: lead concentration, locations of vulnerable populations, and previous distribution locations
    b. Accountable: SEOC Recovery Branch Director
    c. Approval: State EM Director
2. Resource Support
    a. Resource Components
        i. Vehicles
        ii. Product
        iii. Personnel
        iv. Team Support (example: lunch, rain ponchos)
    b. Accountable: SEOC Logistics Section Chief
    c. Responsible: SEOC Logistics, SEOC Warehouse, American Red Cross Volunteer Resource Center
3. Execution
    a. Water Resource Team Daily Distribution
    b. Accountable: Genesee County Sheriff Office (GCSO)/Michigan State Police (MSP)
    c. Responsible: Water Response Team Officer In Charge (OIC), American Red Cross OIC
4. Execution Support
    a. Team Replenishment
    b. Accountable: SEOC Logistics Section Chief
    c. Responsible: SEOC Warehouse
5. Reporting
    a. Distribution Reporting
    b. Accountable: Water Response Team OIC
    c. Responsible: All Water Response Teams

Team Typing

Type	Mission	Truck	Team Leader	Team Member	Team Transport Vehicle	Team Transport Driver	Patrol Car	iPad	Distribution Kit
Type I	500 HH	1 - 24' Box	1	10-20	1+	1+	1-2	1-2	500
Type II	400 HH	1 - 18' Box	1	8-16	1+	1+	1-2	1-2	400
Type III	300 HH	1 16' Box	1	6-9	1+	1+	1-2	1-2	300
Type IV	200 HH	1 14' Box	1	4-8	1+	1+	1-2	1-2	200
Type V	100 HH	1 ARC ERV*	1	3-6	1+	1+	0	1-2	85**

* American Red Cross Emergency Response Vehicle
**Replenishment required to achieve mission

Distribution Kit per Household

Door Hanger	1
Water, case	1
Filter*	1
Test Kit	1
Replacement Filters	1

*If filter doesn't fit then distribute

Pitcher*	1

City of Flint - Neighborhood Canvas Tracking Sheet

Date: 1/23/16 Operational Period: Team #: Team Lead:

Address	Vacant	Door Hanger	Water	Filter	Replacement Cartridge	Pitcher	Water Test Kit	Future Sample Site Y/N	Comments
				X					1-22-16
"				X					1-22-16
"				X					1-22-16
"				X					1-22-16
"				X					1-22-16
"				X					1-22-16
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"				X					1-22-16
"				X					1-22-16

Thank you
Thomas Wandrey
1-22-16

City of Flint - Neighborhood Canvas Tracking Sheet

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Thomas Wandrey
1-22-16

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Thomas Wamdrey
1-22-16

City of Flint - Neighborhood Canvas Tracking Sheet

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Thomas Woodbury
1-22-16

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Thomas Wandrey
1-22-16

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Thomas Wardsey
1-22-16

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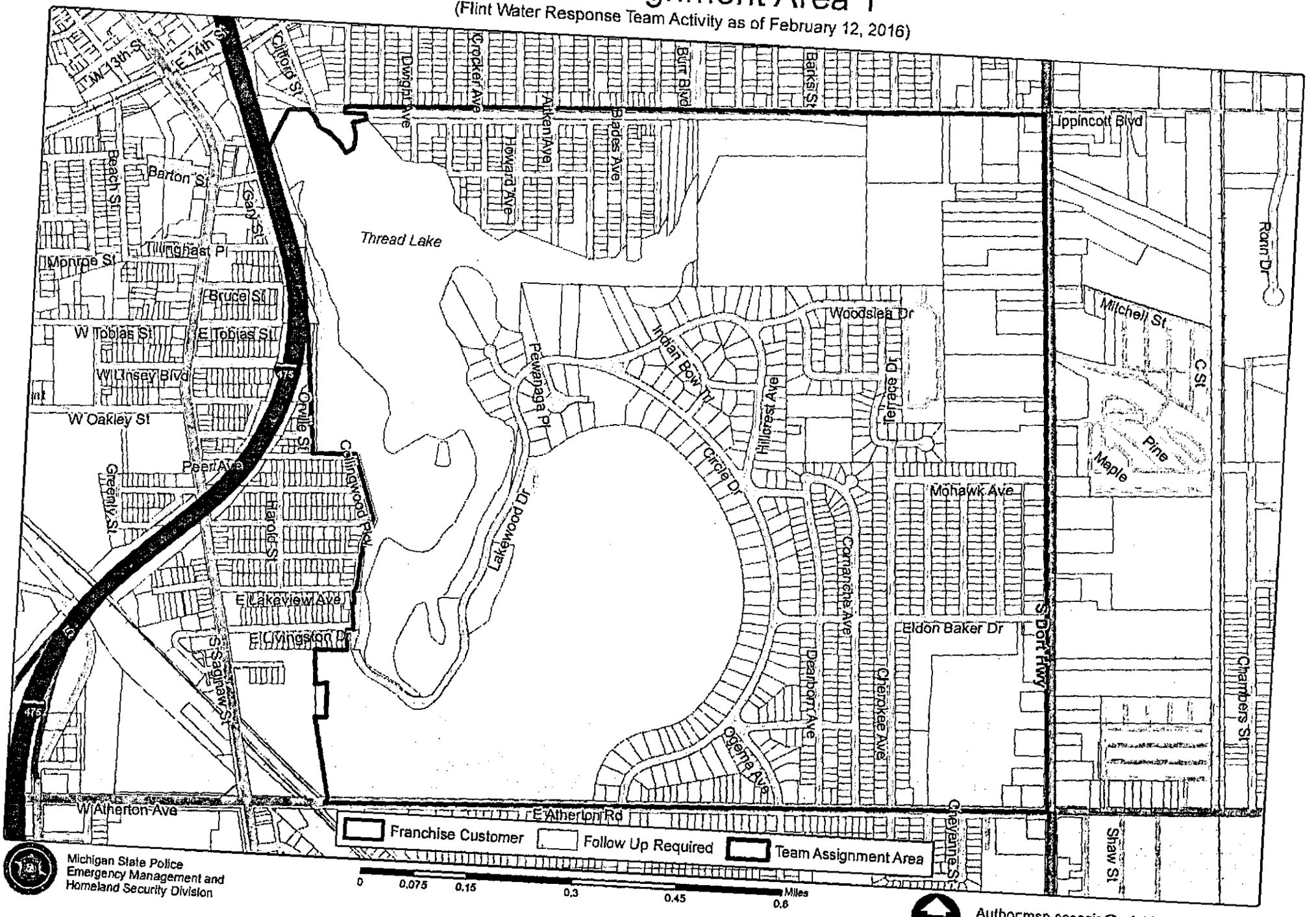
"				X					1-22-16
"				X					1-22-16

Thomas Wandrey
1-22-16

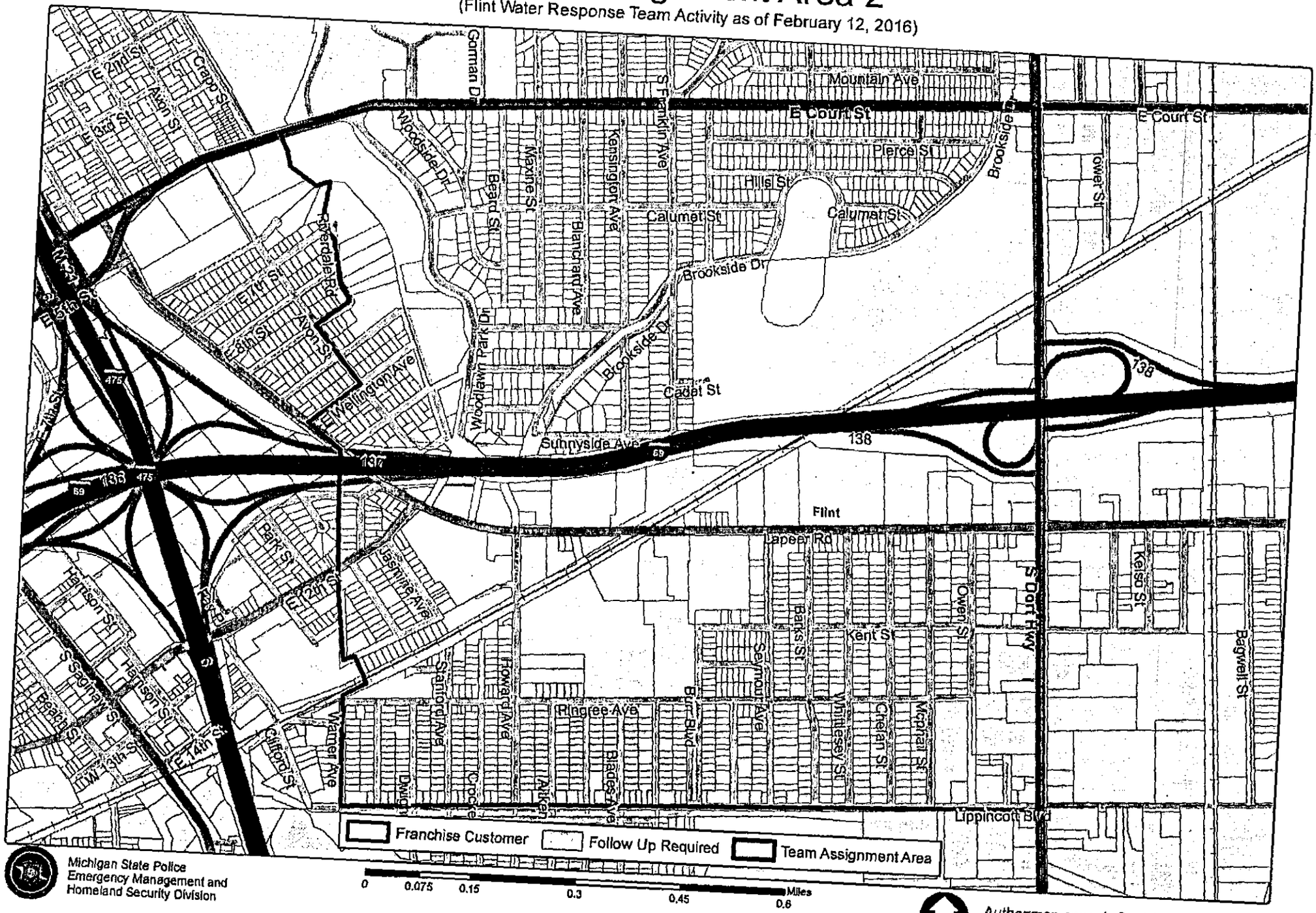
Team Assignment Area 1

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 2

(Flint Water Response Team Activity as of February 12, 2016)

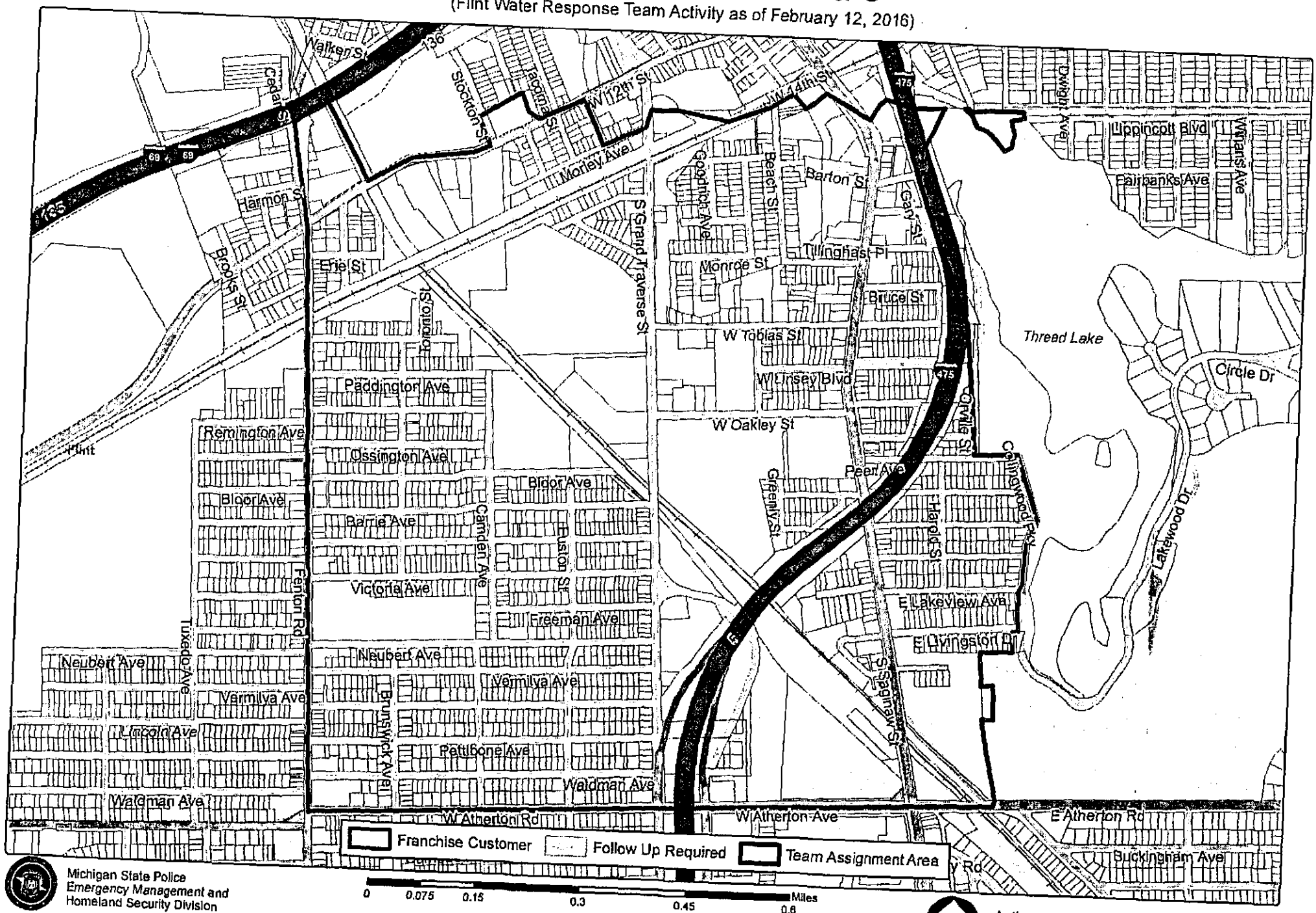


Michigan State Police
Emergency Management and
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 3

(Flint Water Response Team Activity as of February 12, 2016)

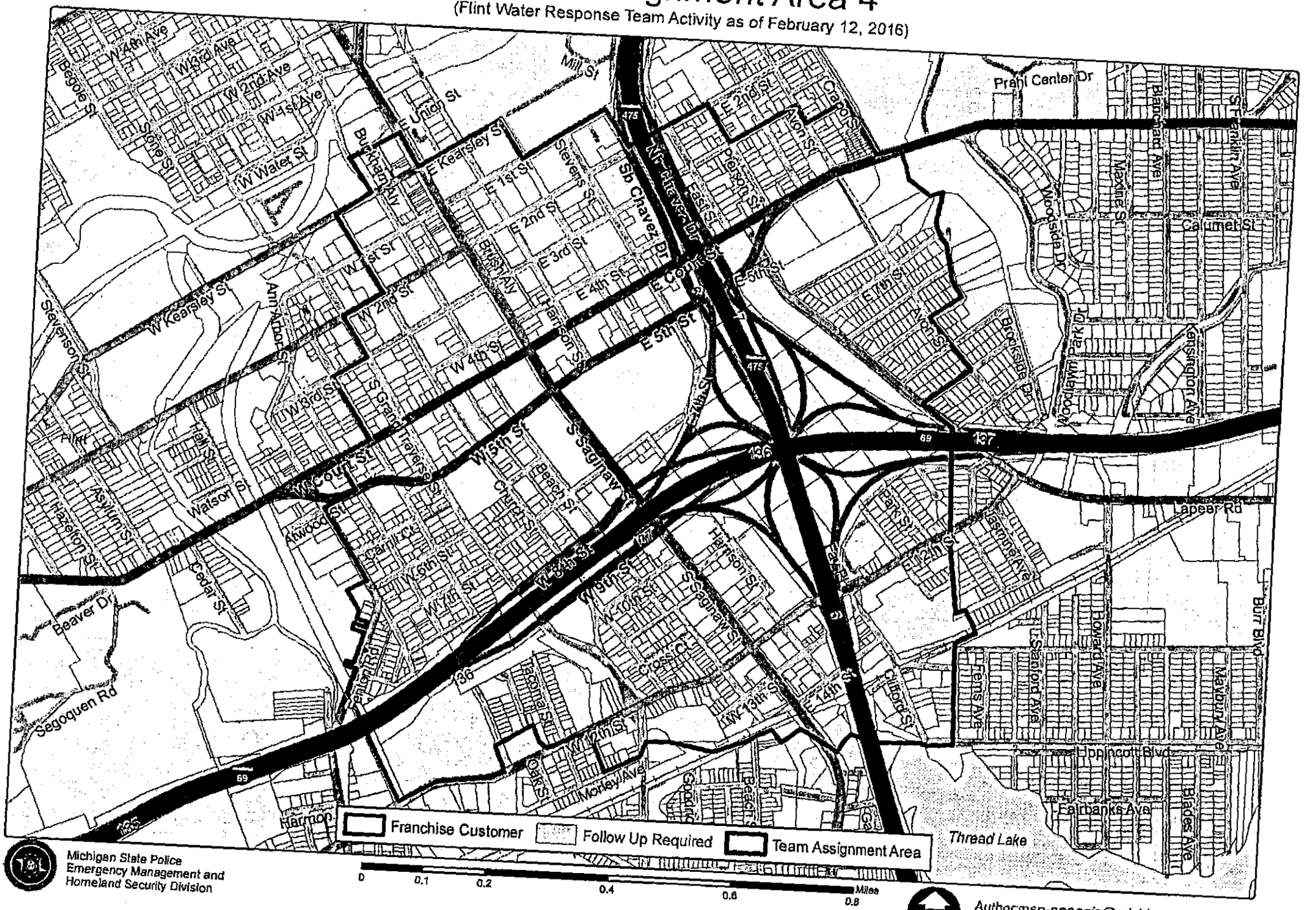


Michigan State Police
Emergency Management and
Homeland Security Division

Author msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

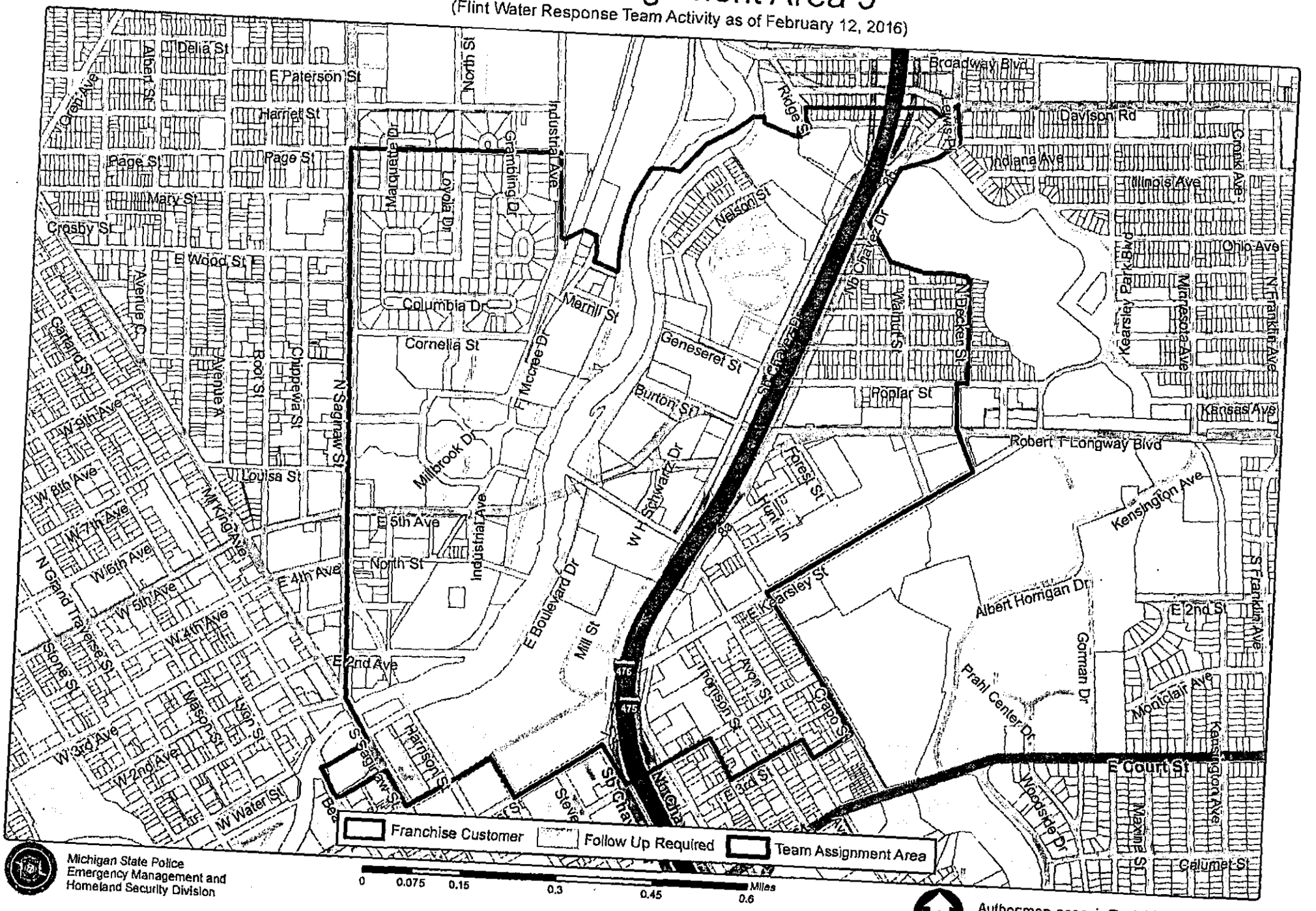
Team Assignment Area 4

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 5

(Flint Water Response Team Activity as of February 12, 2016)



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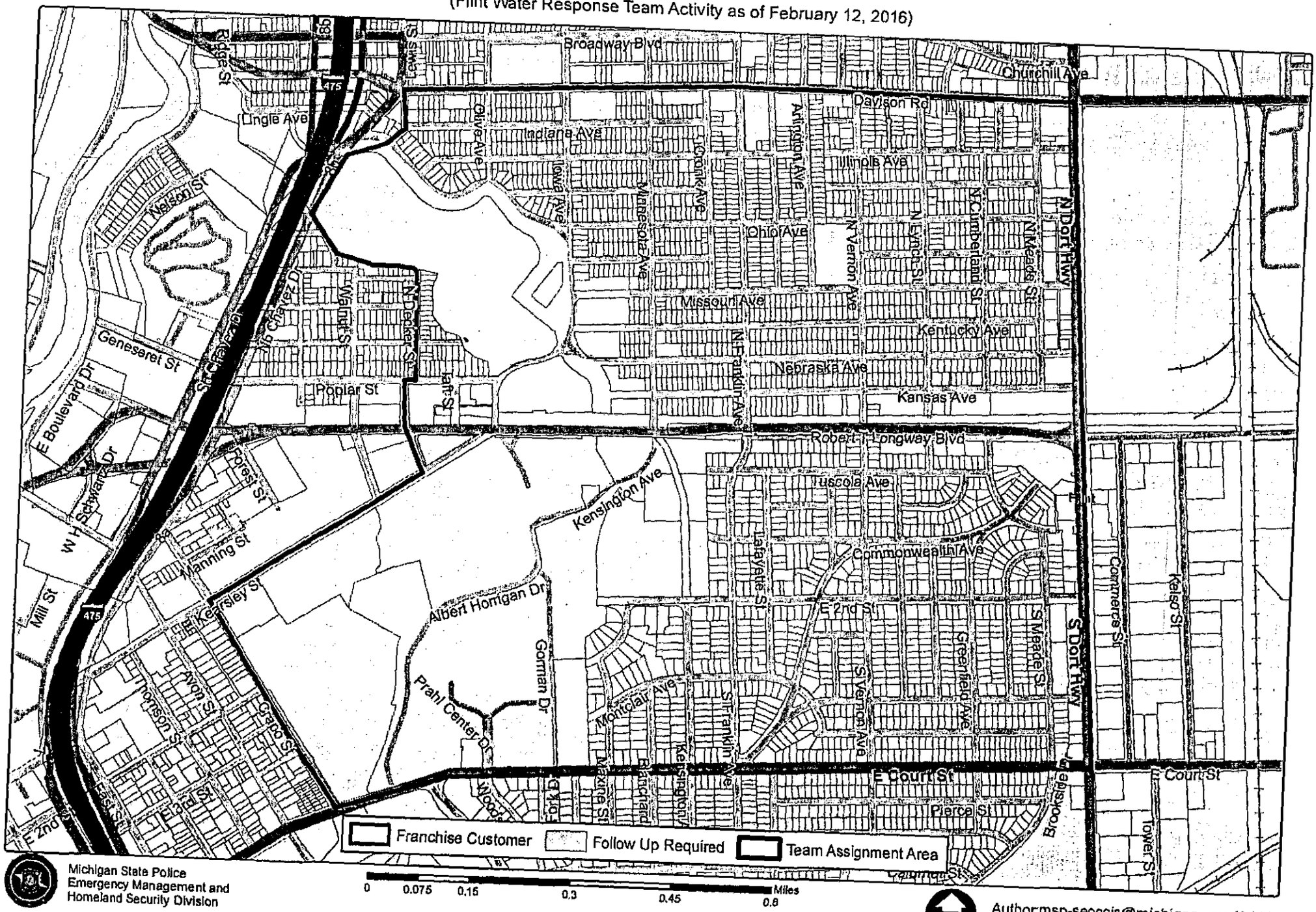
Homeland Security Division

Author: msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 6

(Flint Water Response Team Activity as of February 12, 2016)



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Homeland Security Division

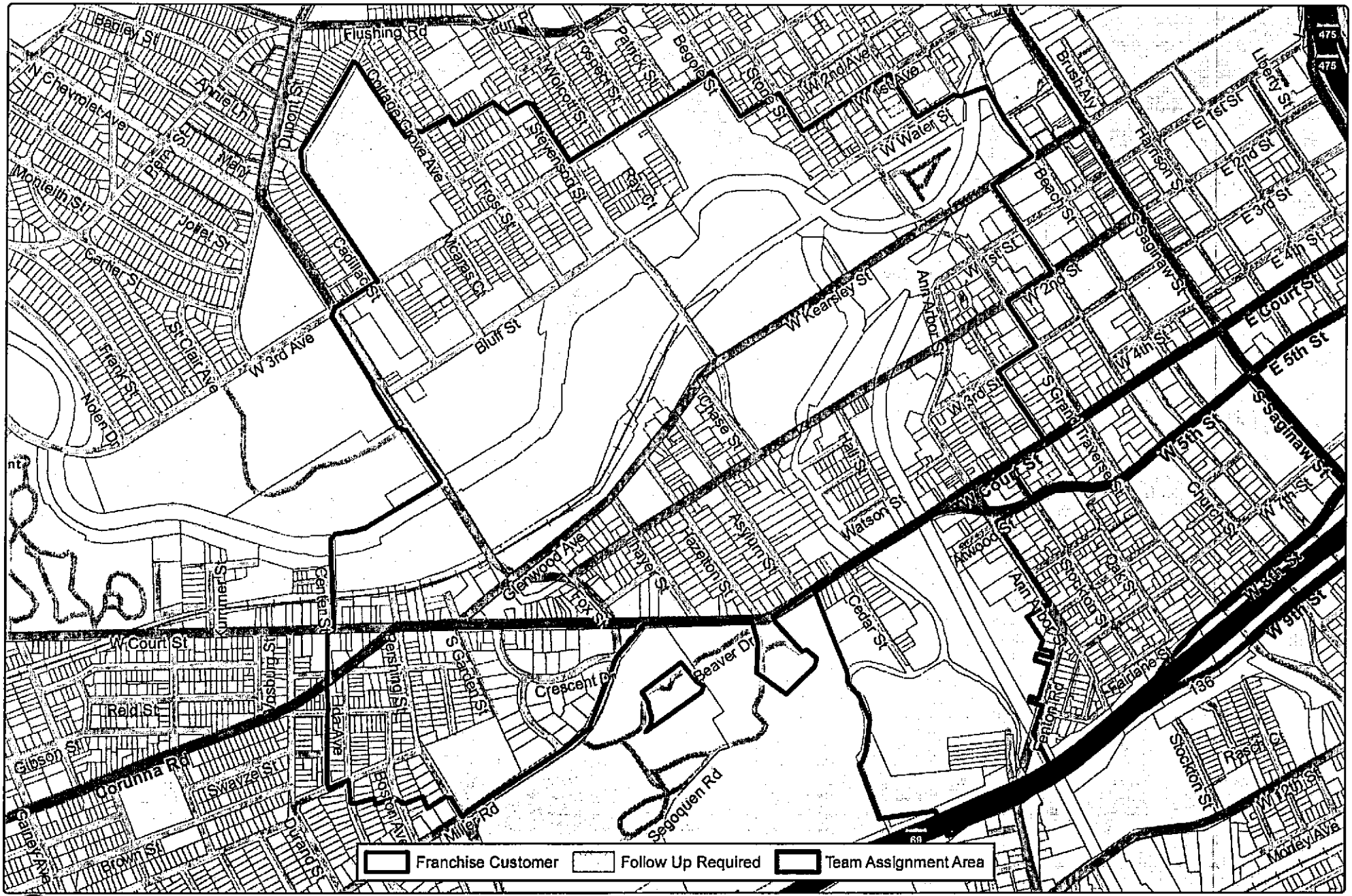
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 7

(Flint Water Response Team Activity as of February 12, 2016)

Team Assignment Area 8

(Flint Water Response Team Activity as of February 12, 2016)



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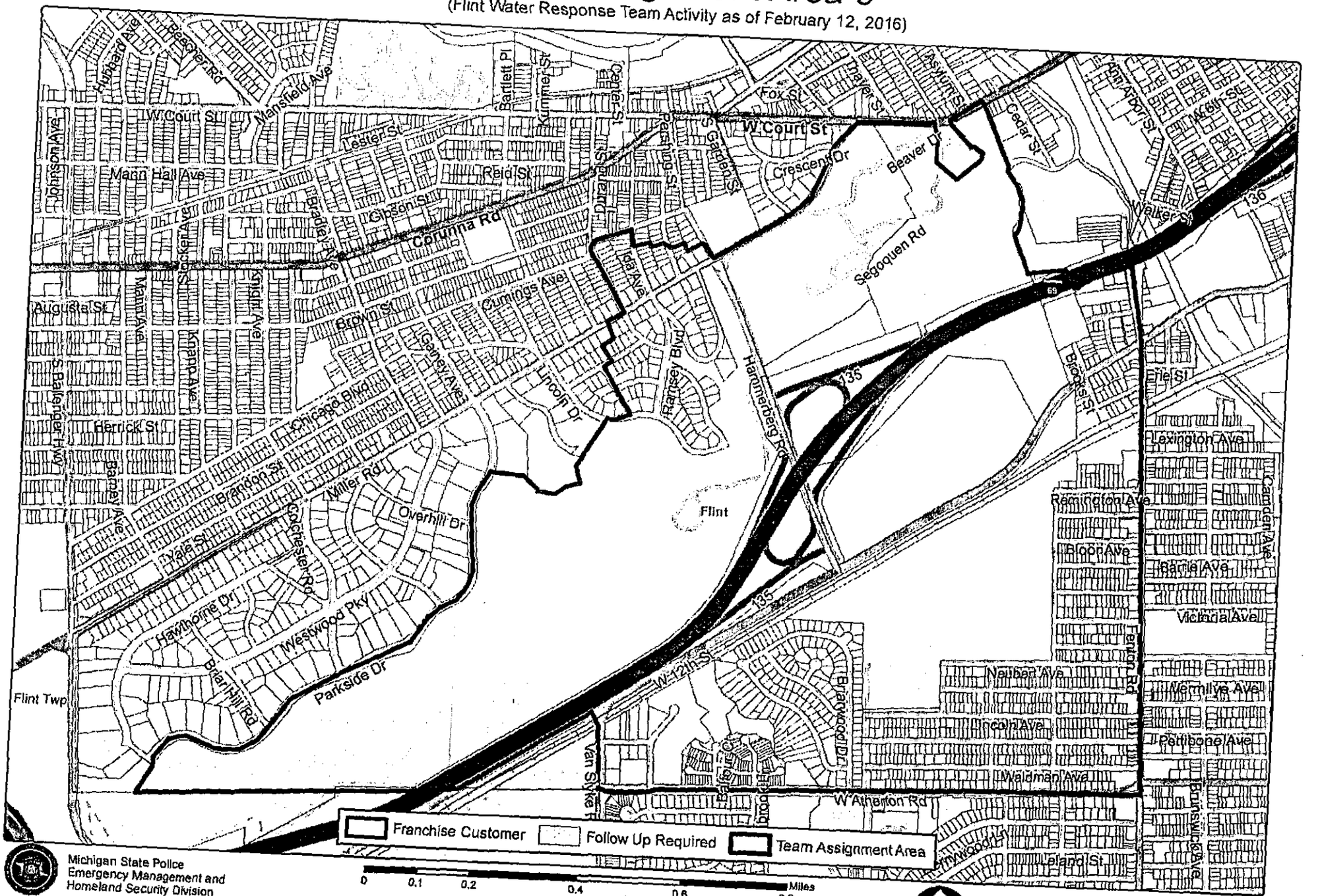
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 9

(Flint Water Response Team Activity as of February 12, 2016)



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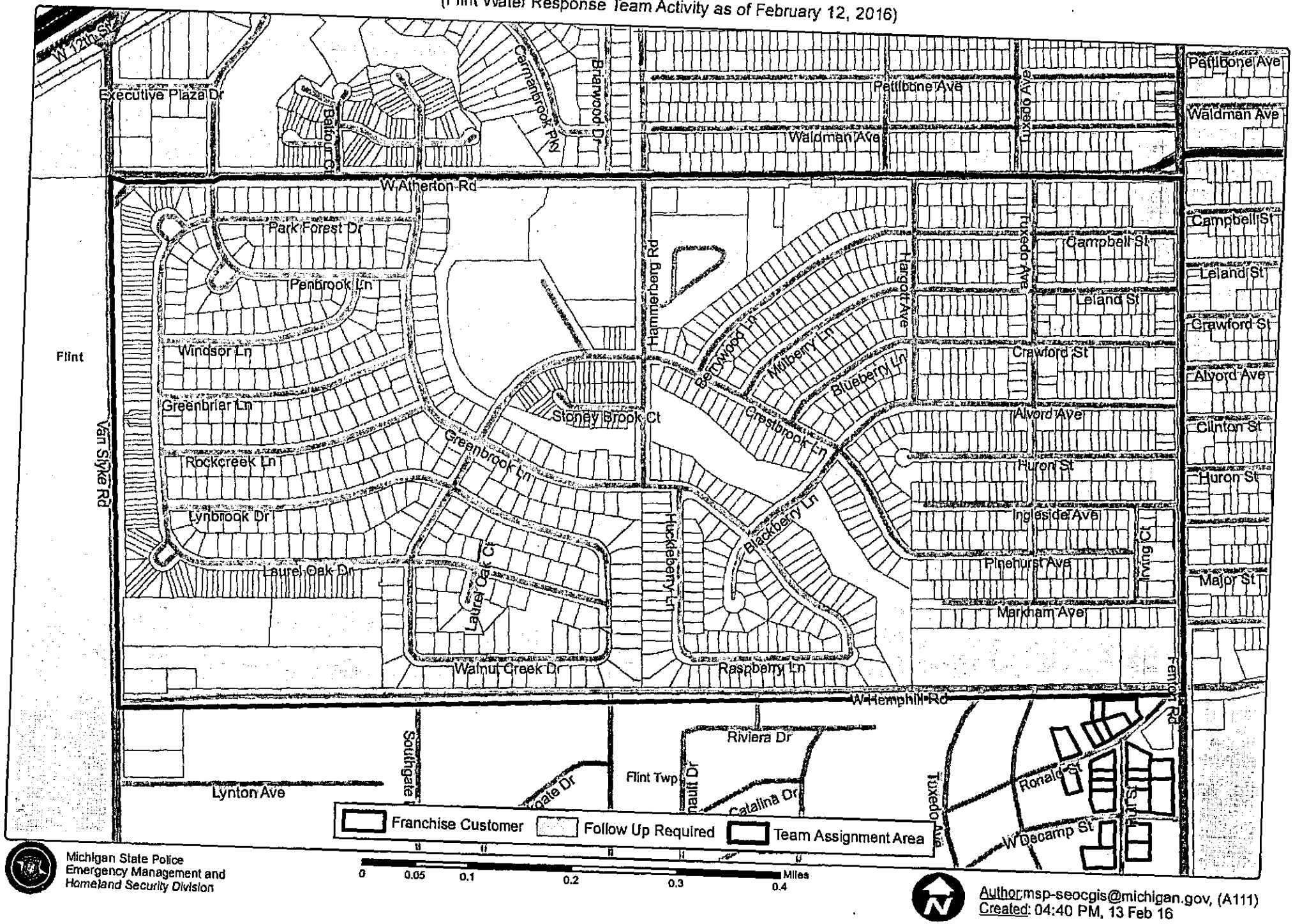
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 10

(Flint Water Response Team Activity as of February 12, 2016)



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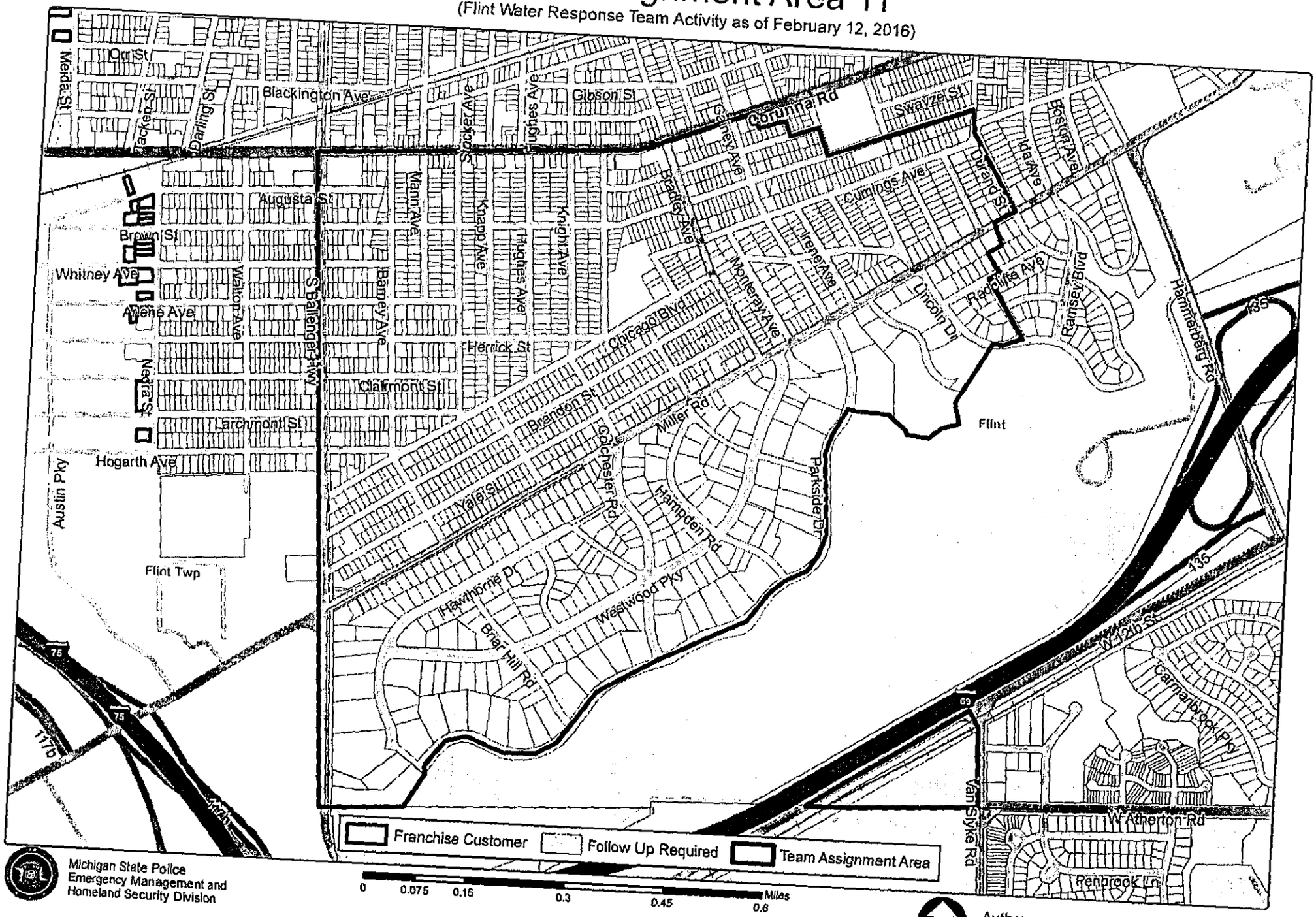
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 11

(Flint Water Response Team Activity as of February 12, 2016)



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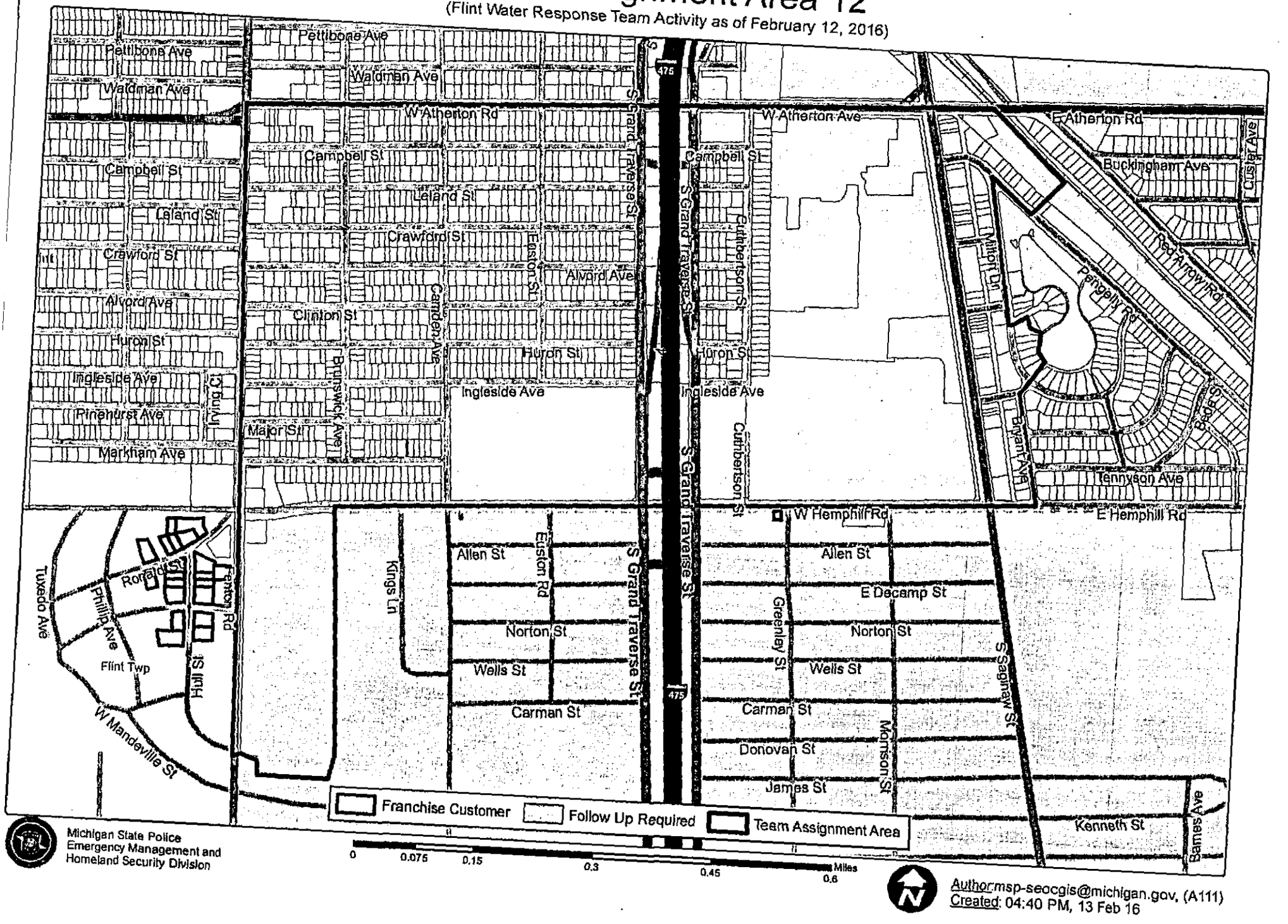
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 12

(Flint Water Response Team Activity as of February 12, 2016)



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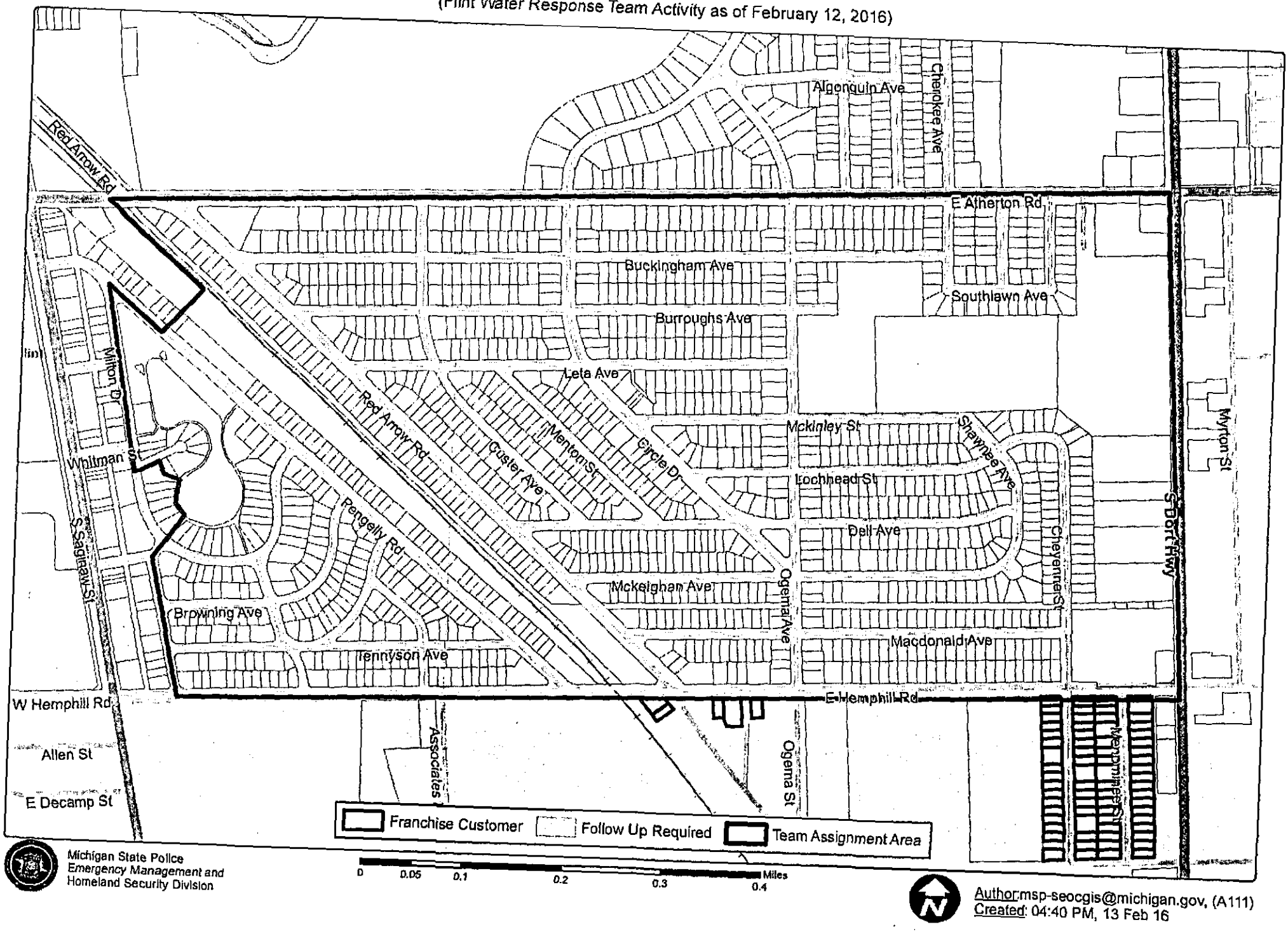
Homeland Security Division

Author: msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 13

(Flint Water Response Team Activity as of February 12, 2016)



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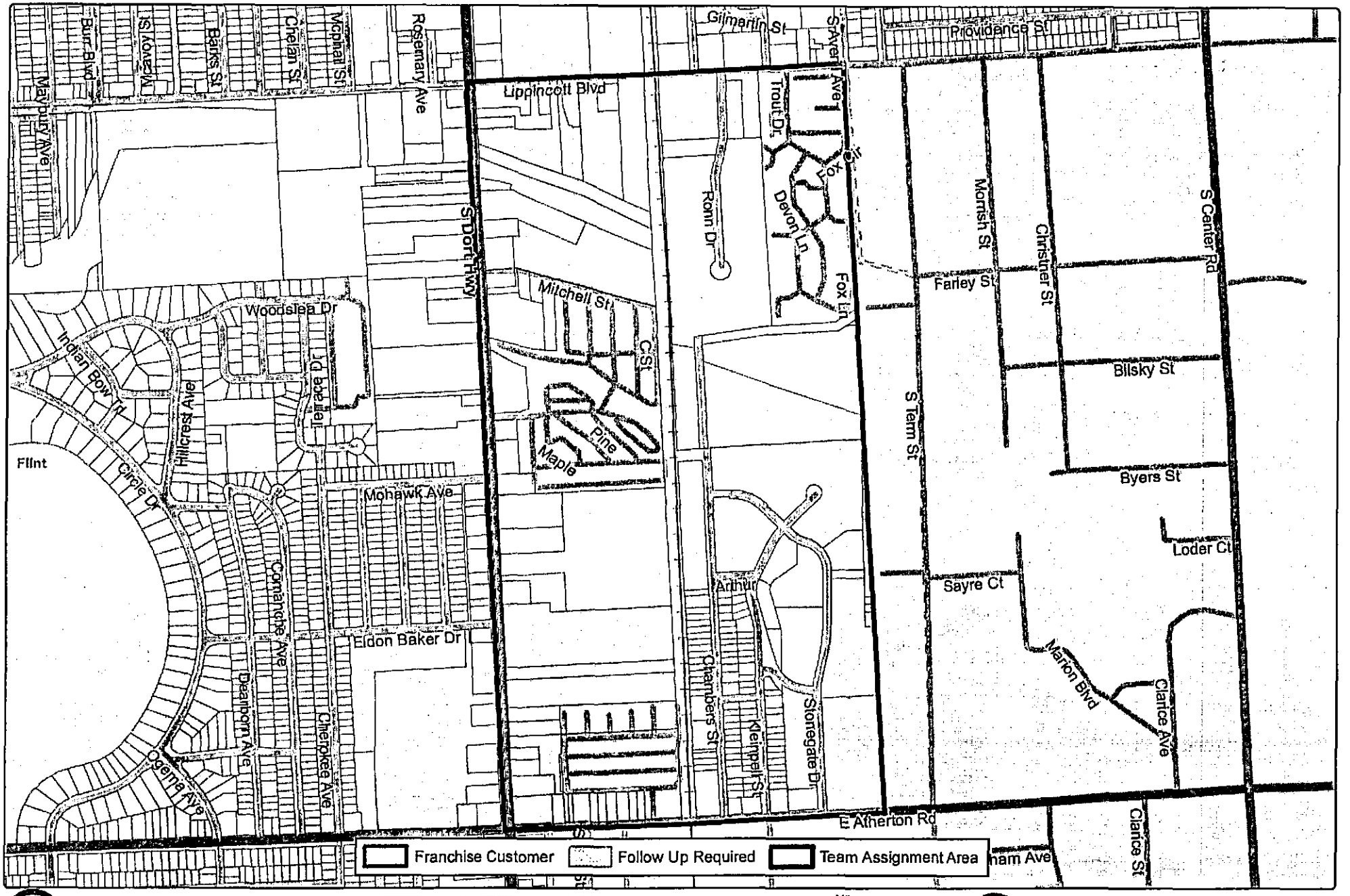
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 14

(Flint Water Response Team Activity as of February 12, 2016)



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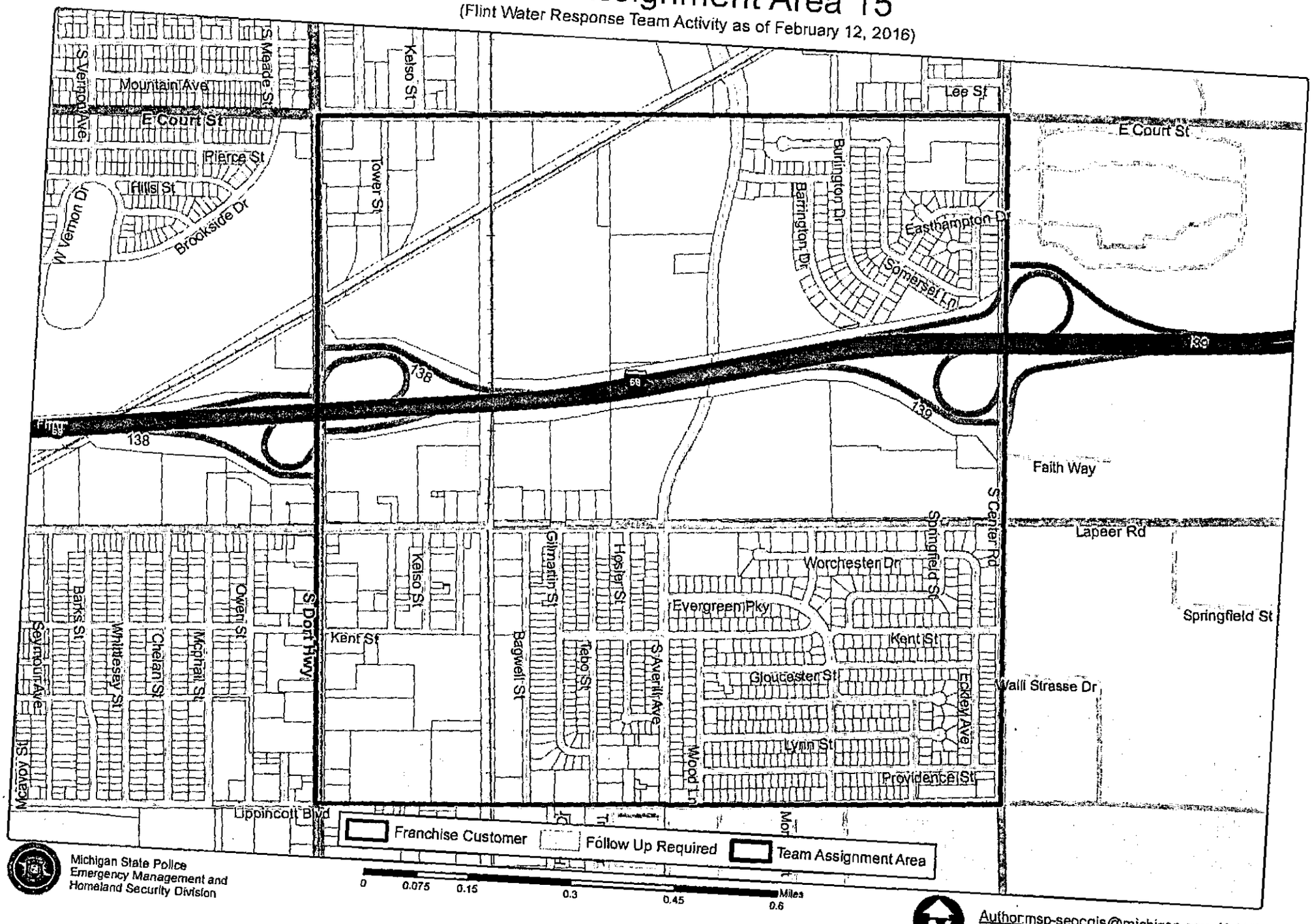
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 15

(Flint Water Response Team Activity as of February 12, 2016)



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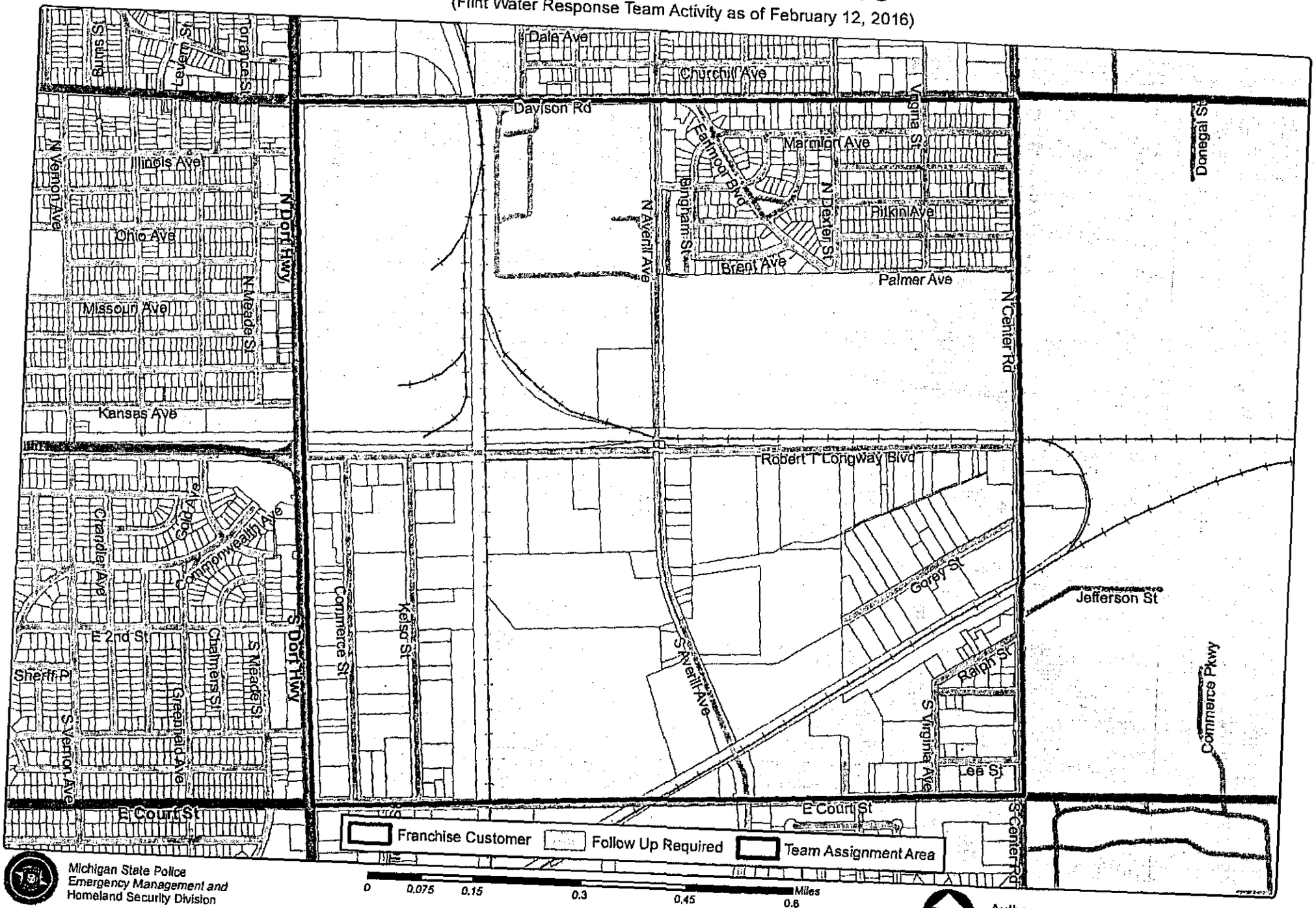
Homeland Security Division

Author: msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 16

(Flint Water Response Team Activity as of February 12, 2016)



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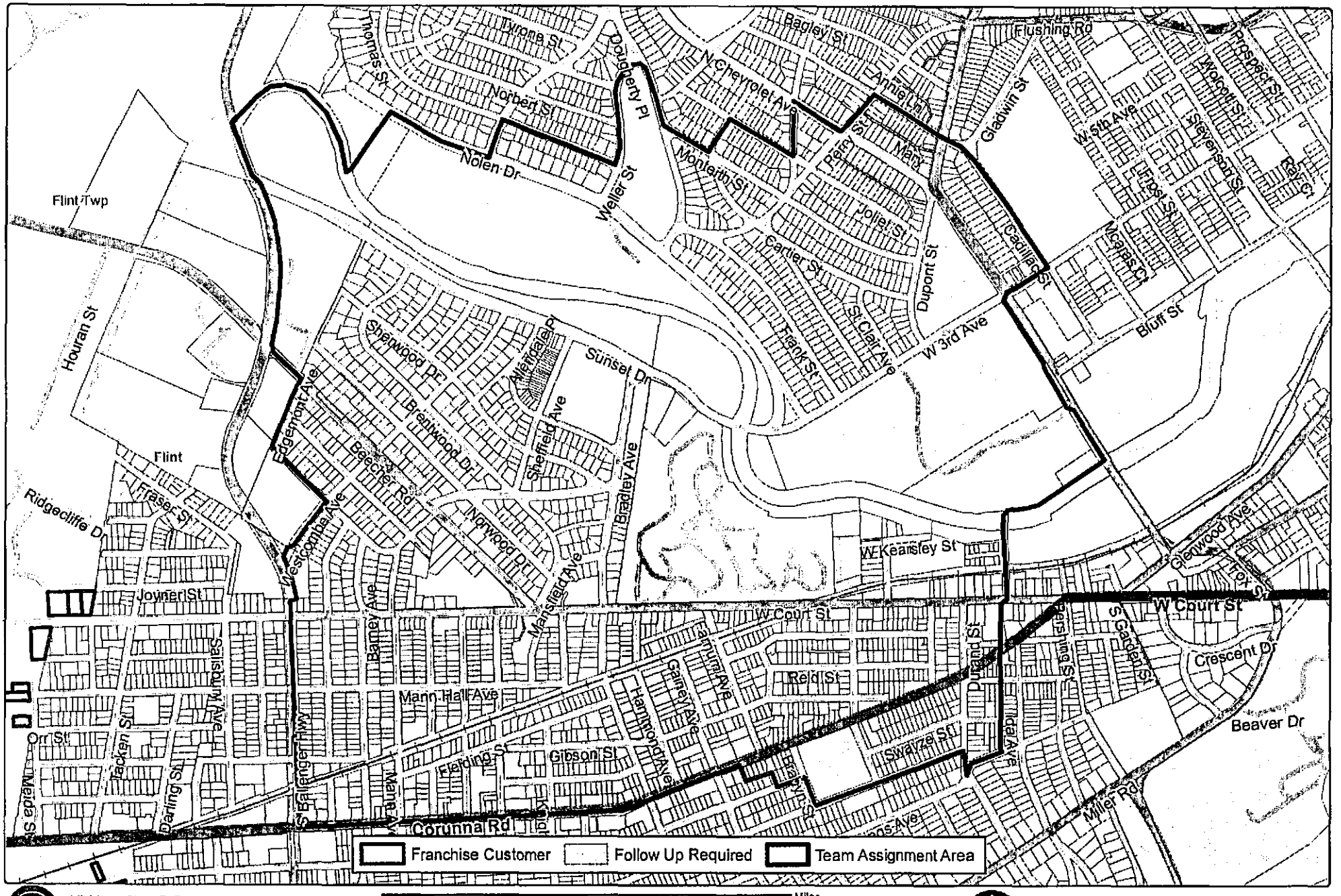
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 17

(Flint Water Response Team Activity as of February 12, 2016)



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Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 18

(Flint Water Response Team Activity as of February 12, 2016)

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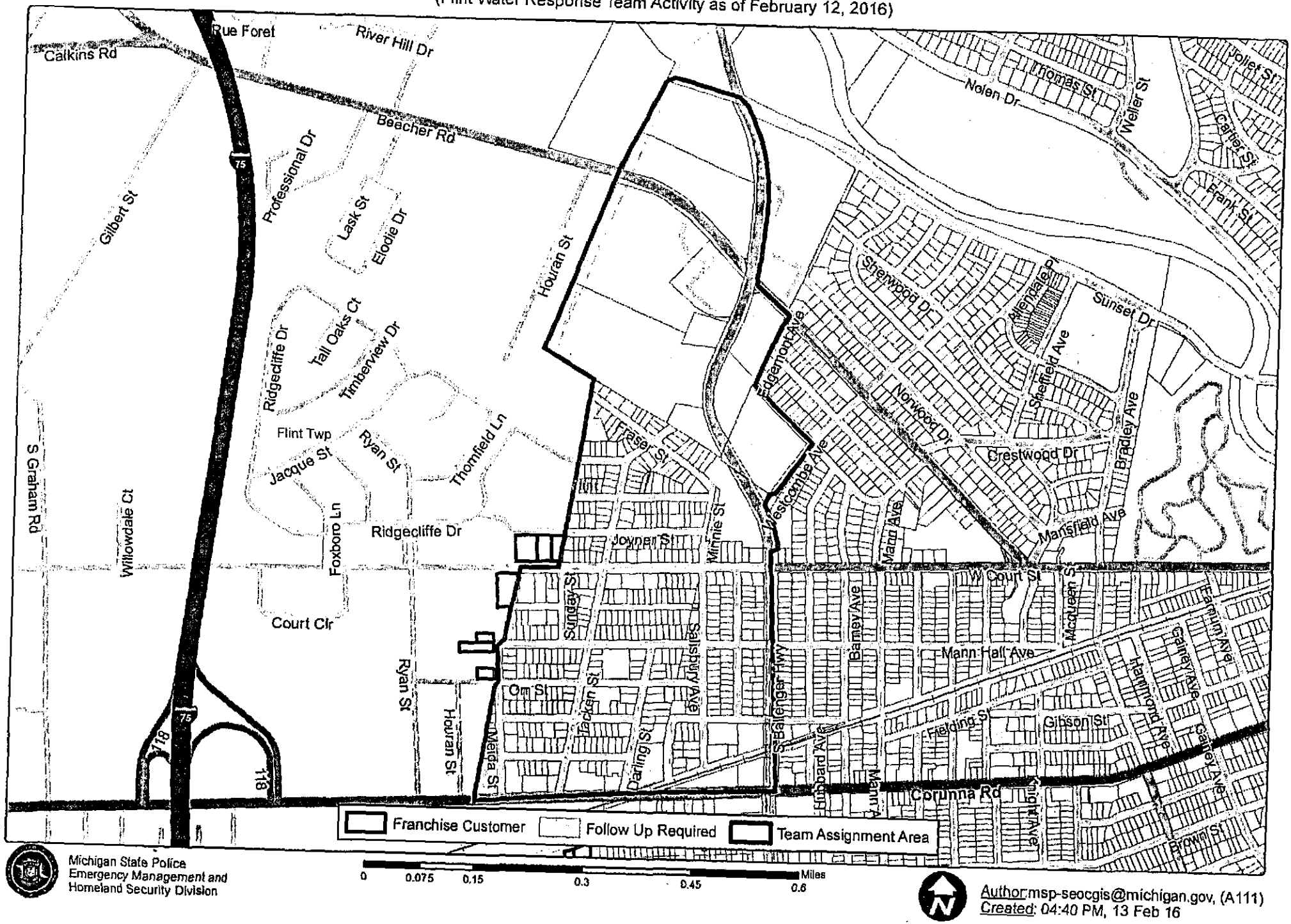
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 19

(Flint Water Response Team Activity as of February 12, 2016)



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Homeland Security Division

Author: msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 20

(Flint Water Response Team Activity as of February 12, 2016)

Michigan State Police
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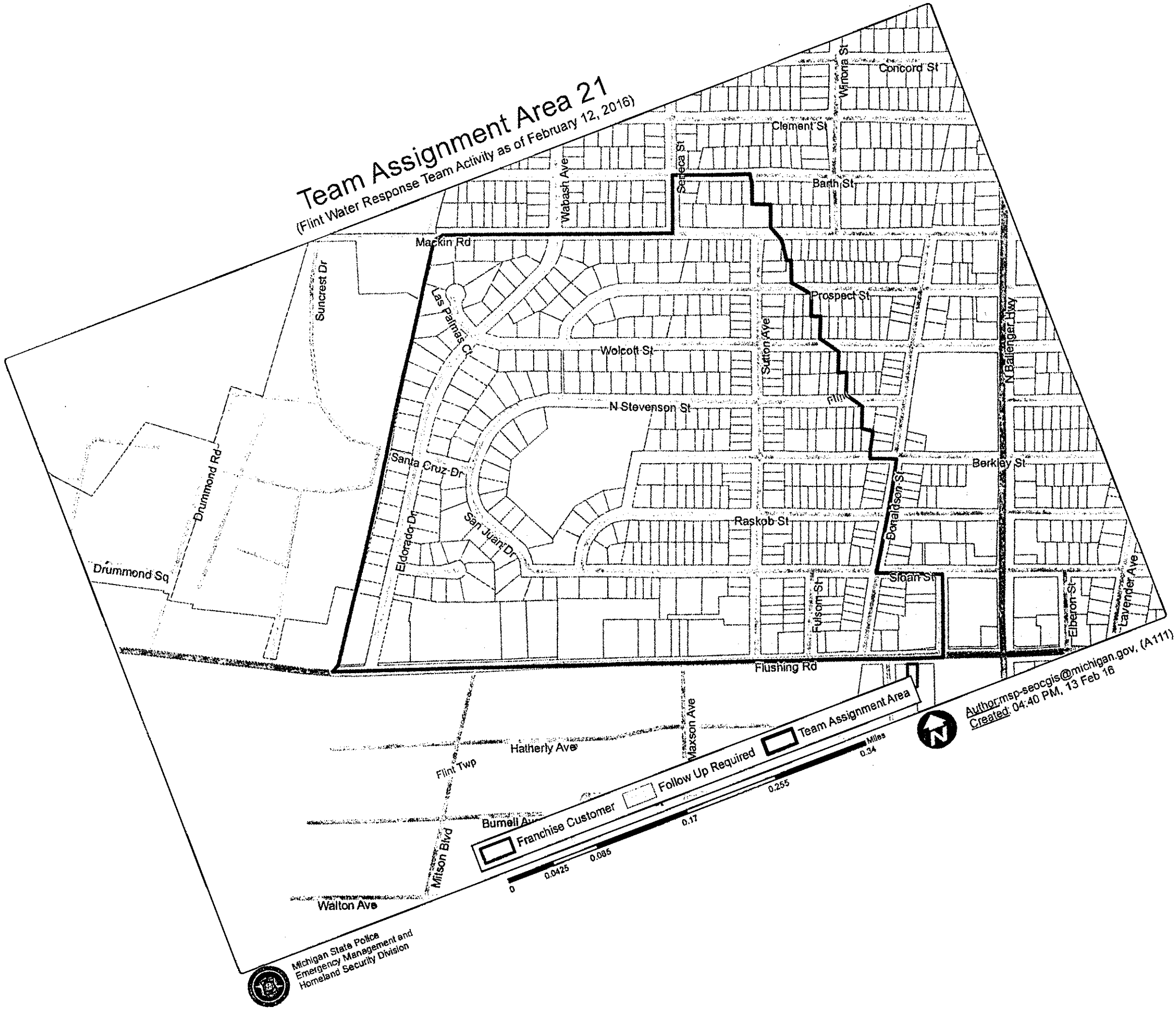
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

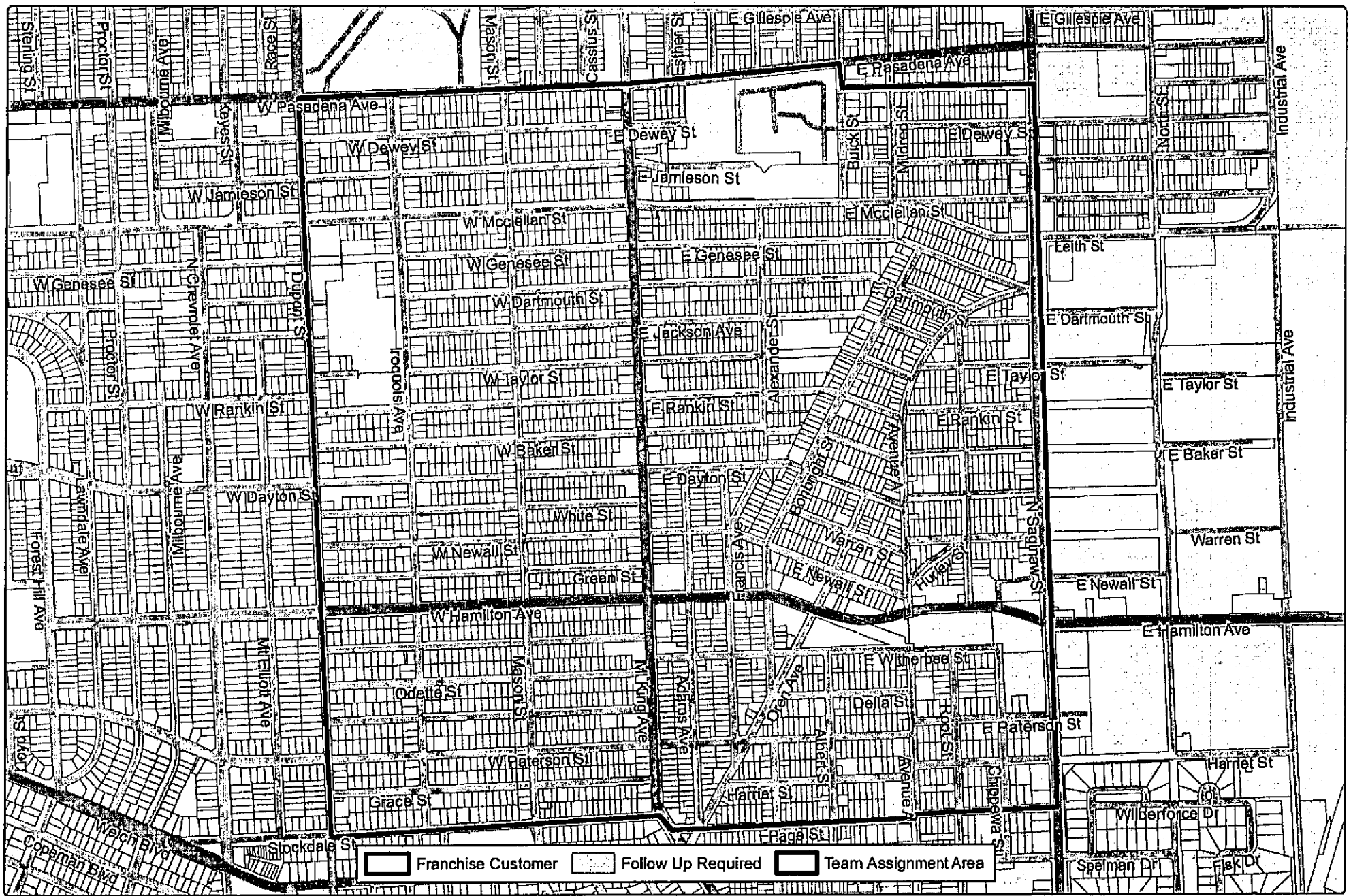
Team Assignment Area 21

(Flint Water Response Team Activity as of February 12, 2016)



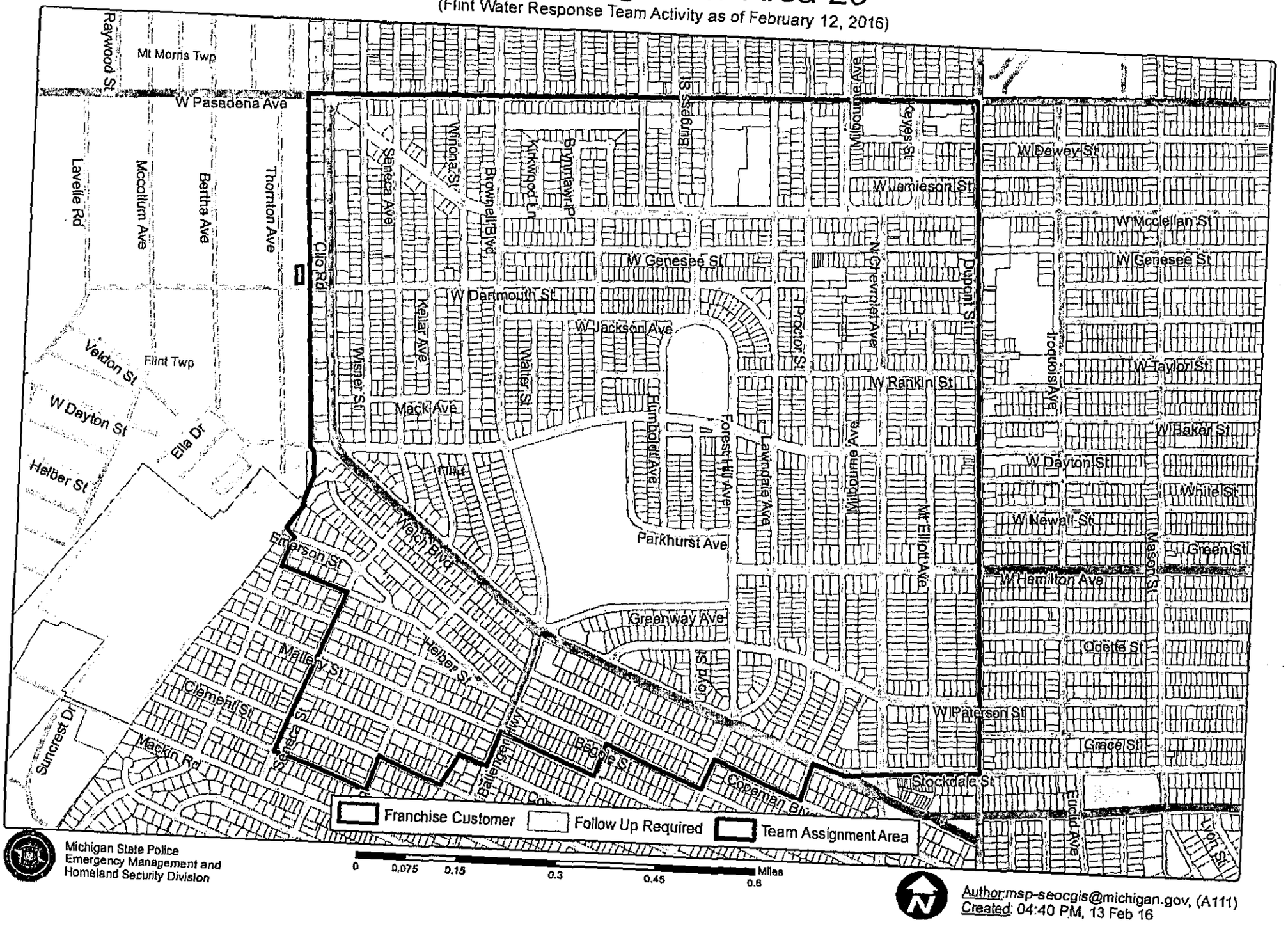
Team Assignment Area 22

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 23

(Flint Water Response Team Activity as of February 12, 2016)



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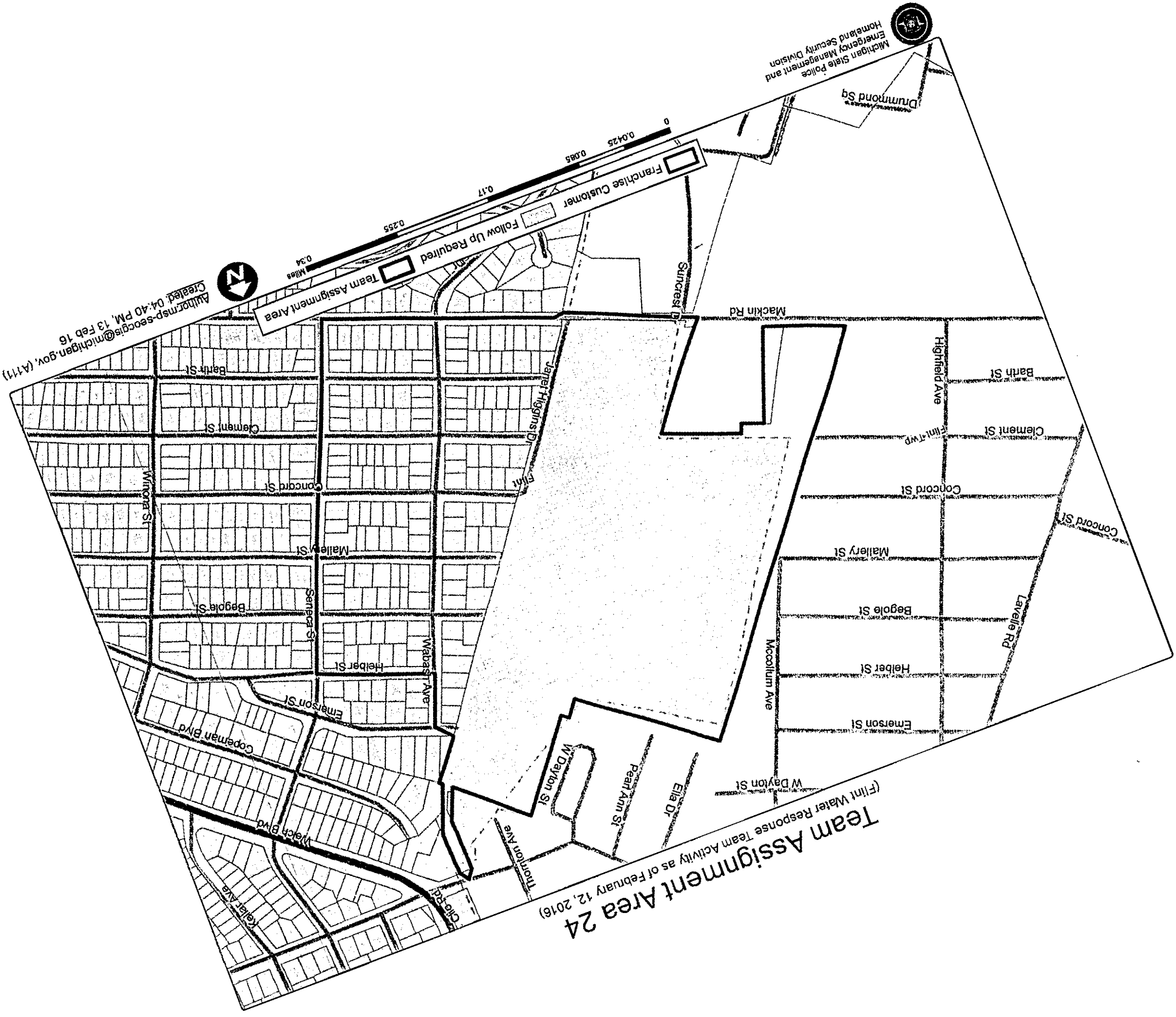
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 24

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 25

(Flint Water Response Team Activity as of February 12, 2016)

Michigan State Police
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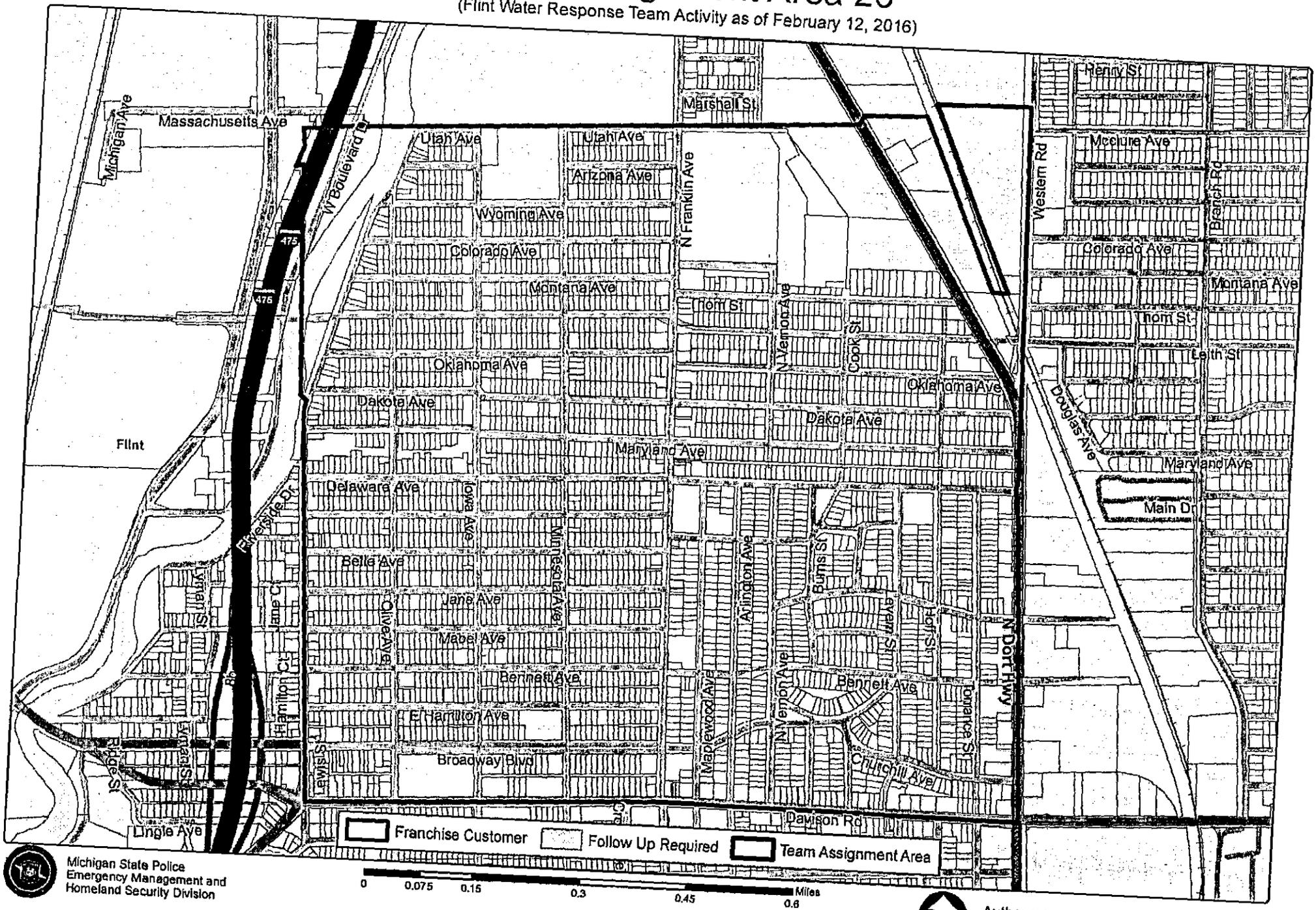
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 26

(Flint Water Response Team Activity as of February 12, 2016)



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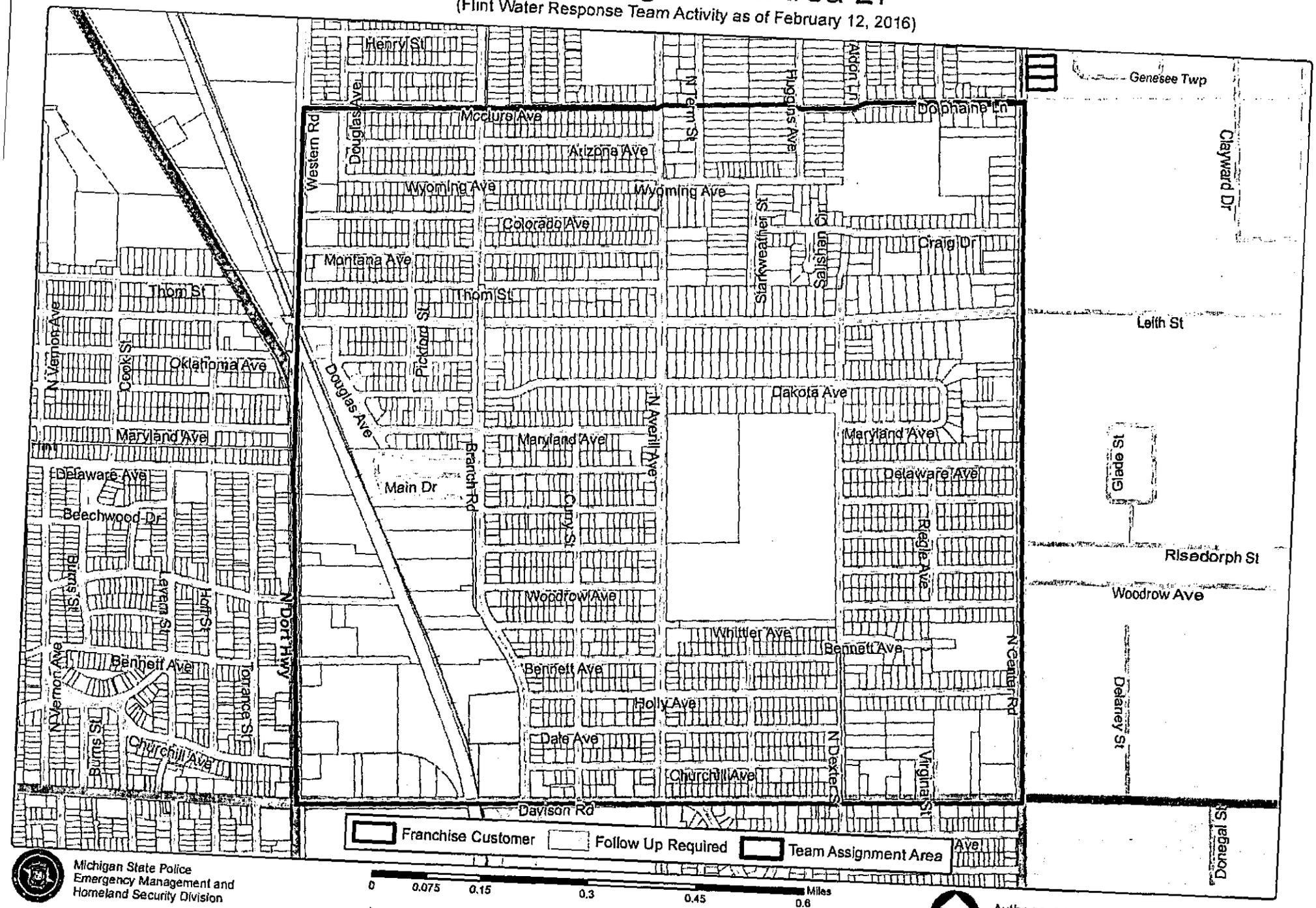
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 27

(Flint Water Response Team Activity as of February 12, 2016)



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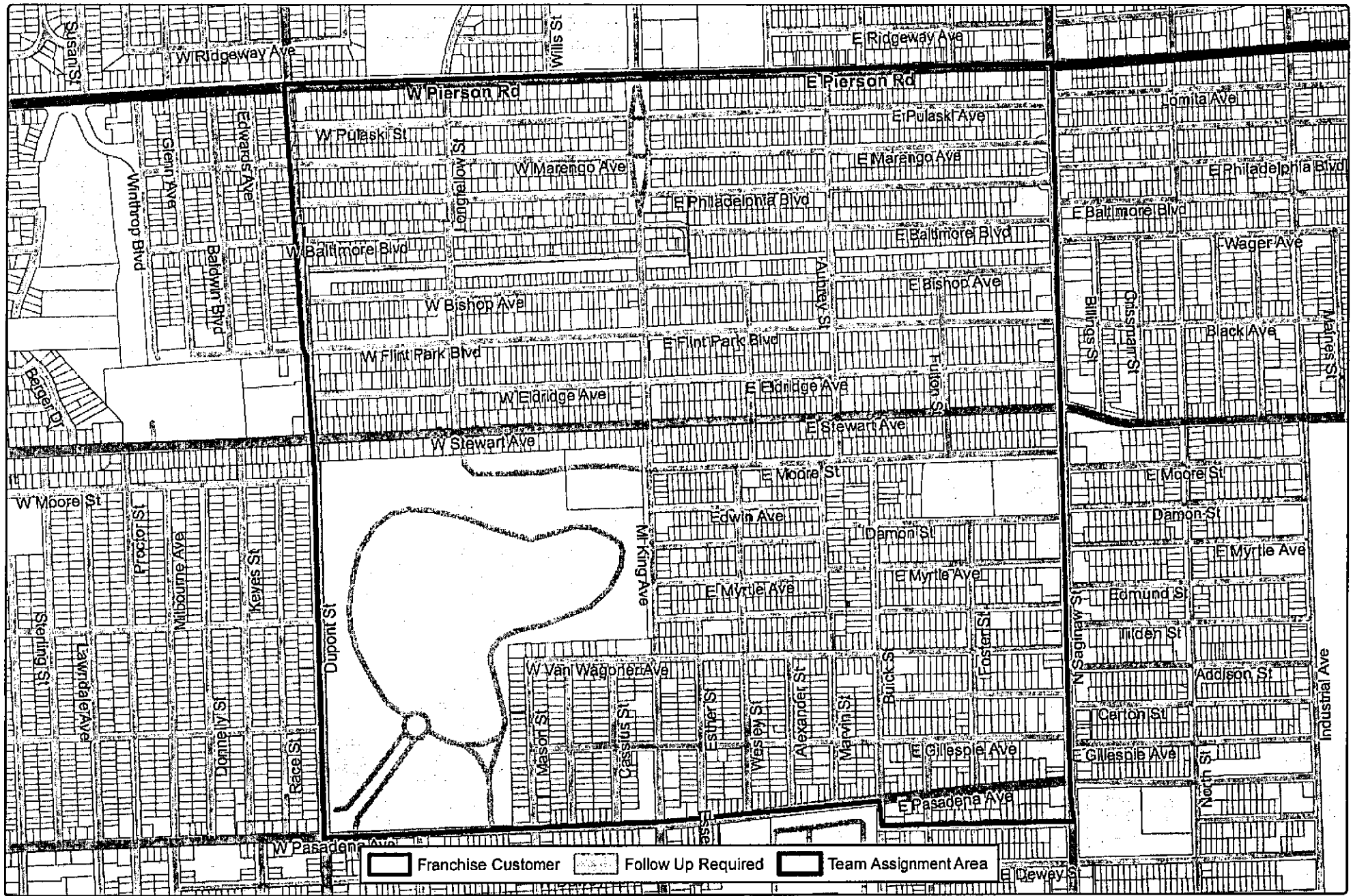
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 28

(Flint Water Response Team Activity as of February 12, 2016)



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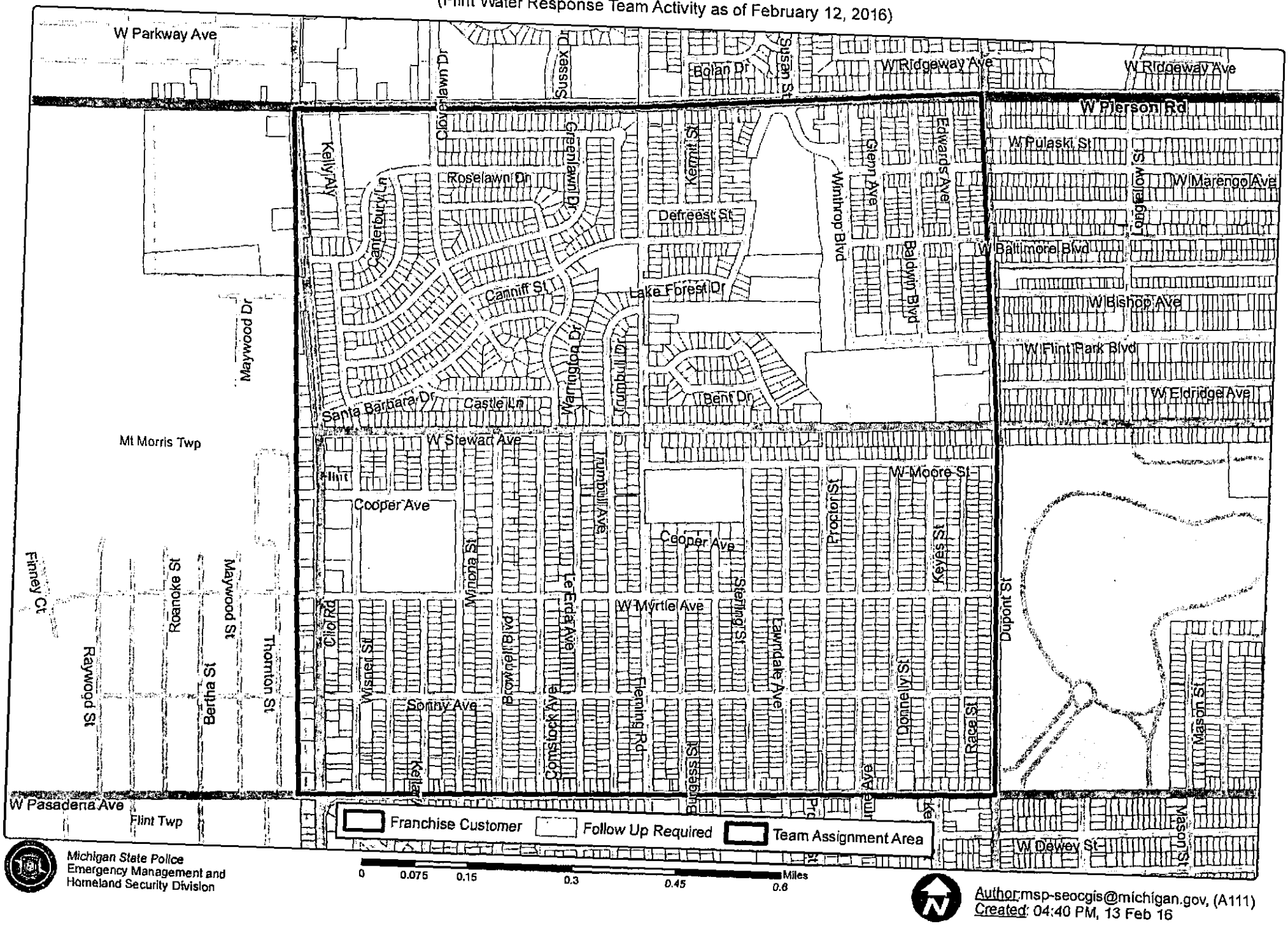
Homeland Security Division

Author: msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 29

(Flint Water Response Team Activity as of February 12, 2016)



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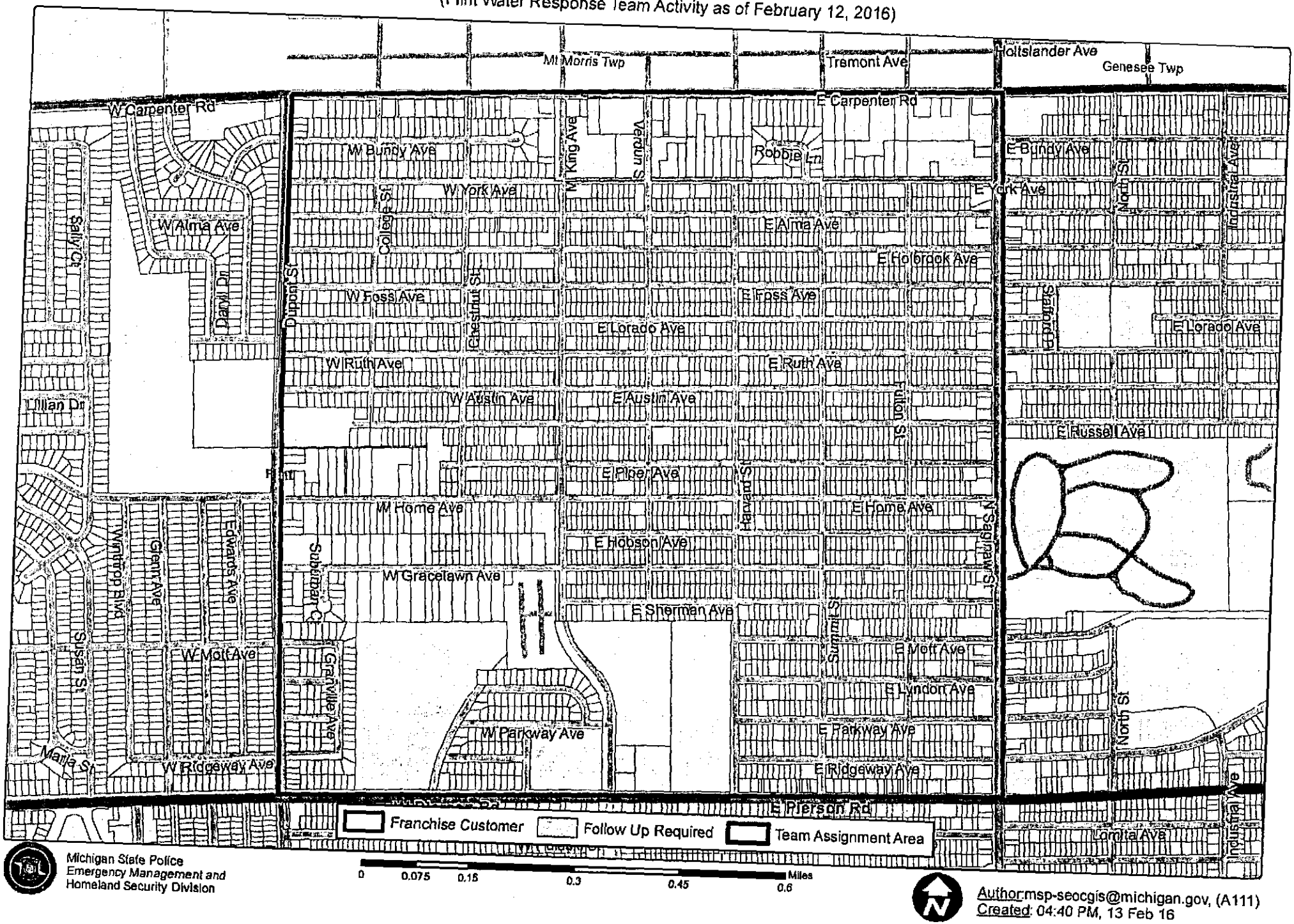
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 30

(Flint Water Response Team Activity as of February 12, 2016)



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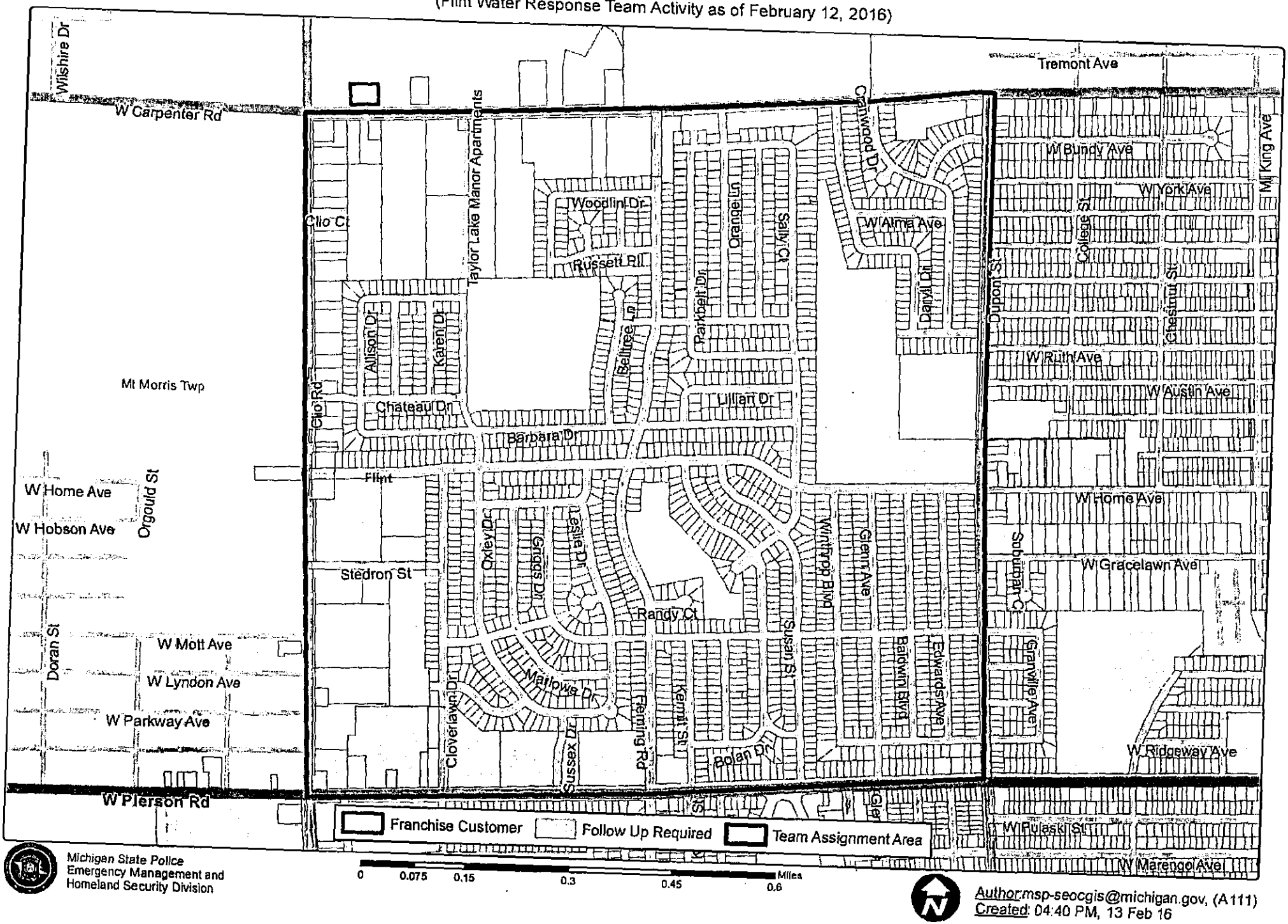
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 31

(Flint Water Response Team Activity as of February 12, 2016)



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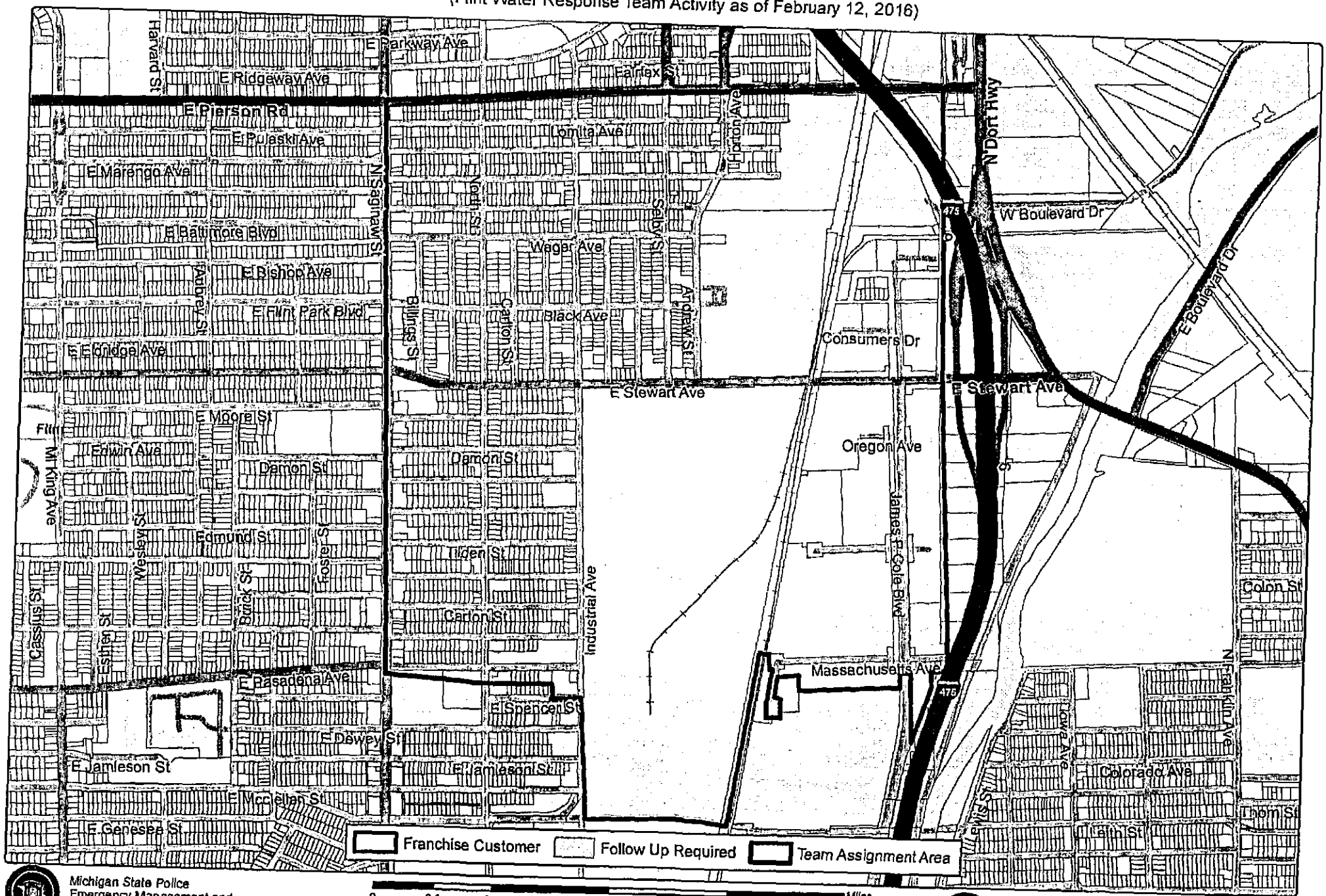
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 32

(Flint Water Response Team Activity as of February 12, 2016)



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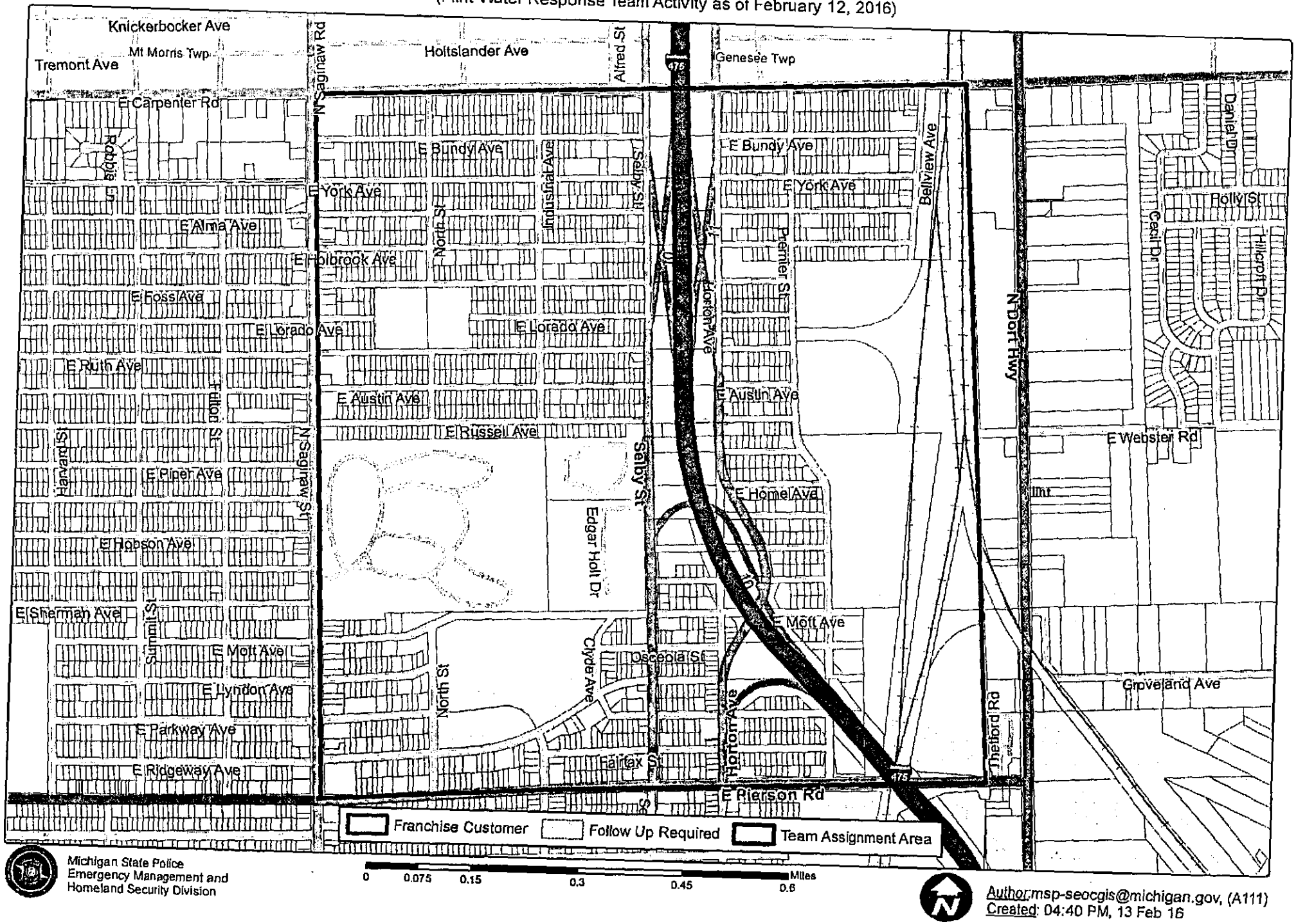
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 33

(Flint Water Response Team Activity as of February 12, 2016)



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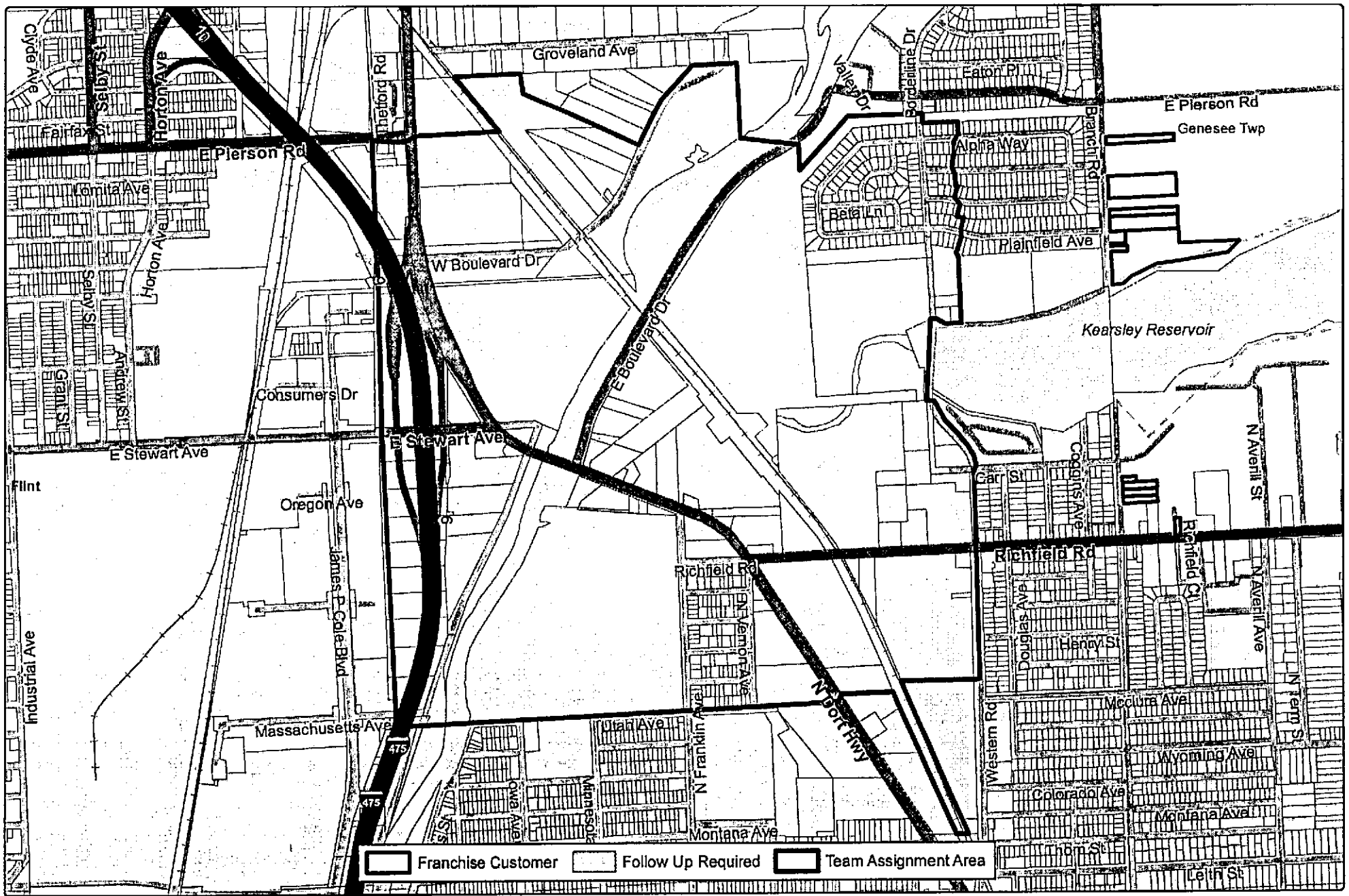
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 34

(Flint Water Response Team Activity as of February 12, 2016)



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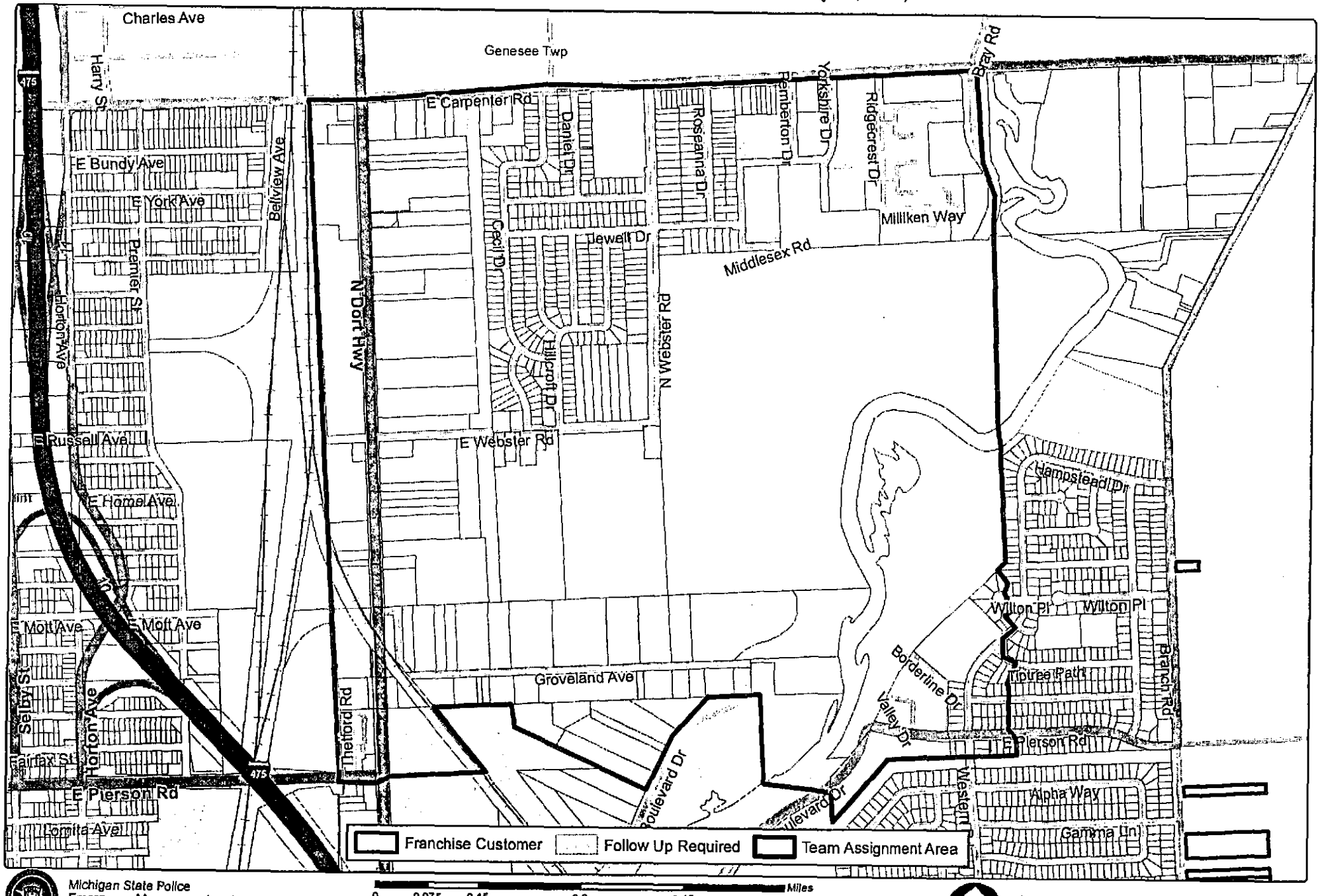
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 35

(Flint Water Response Team Activity as of February 12, 2016)



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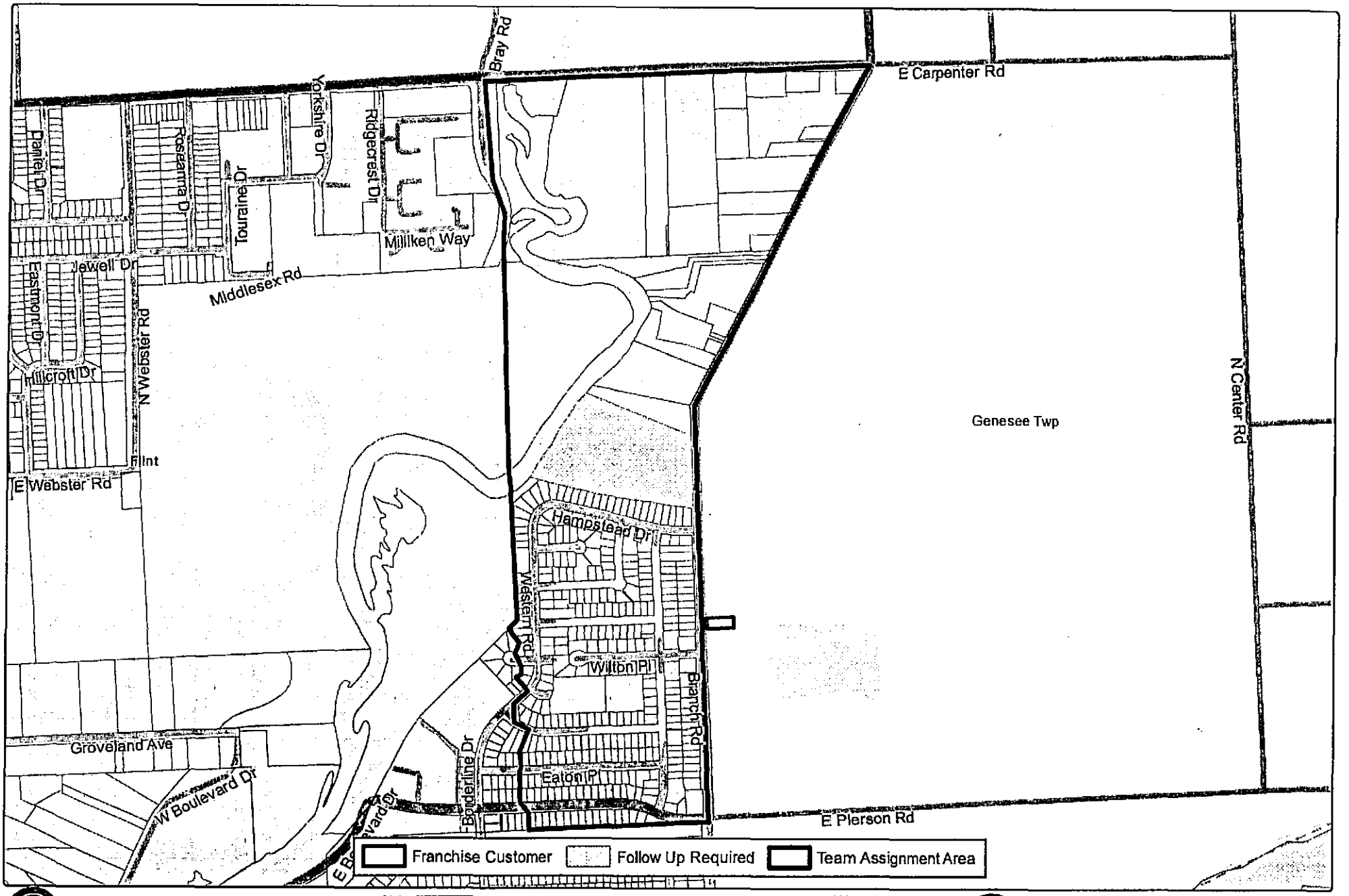
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 36

(Flint Water Response Team Activity as of February 12, 2016)



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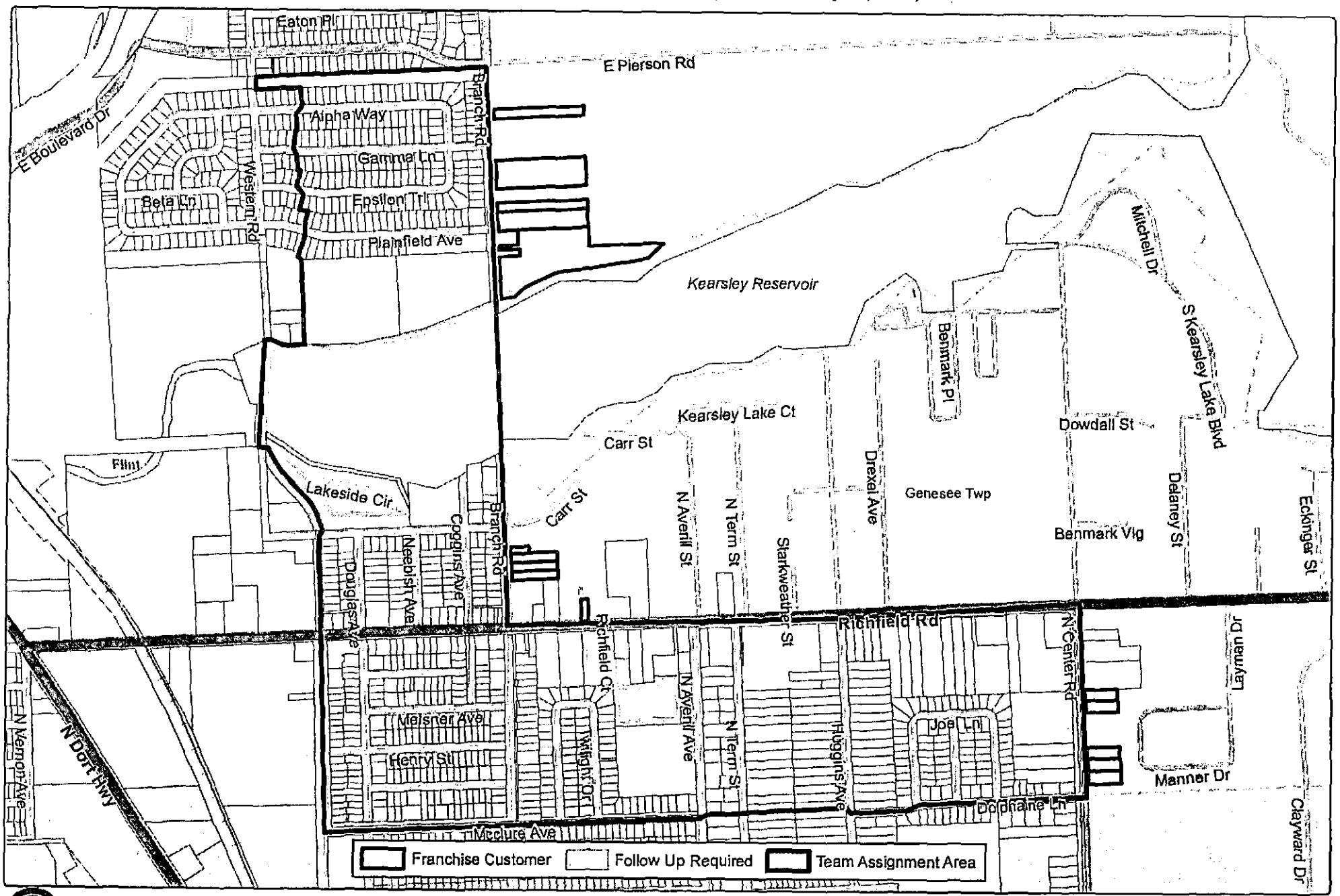
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 37

(Flint Water Response Team Activity as of February 12, 2016)

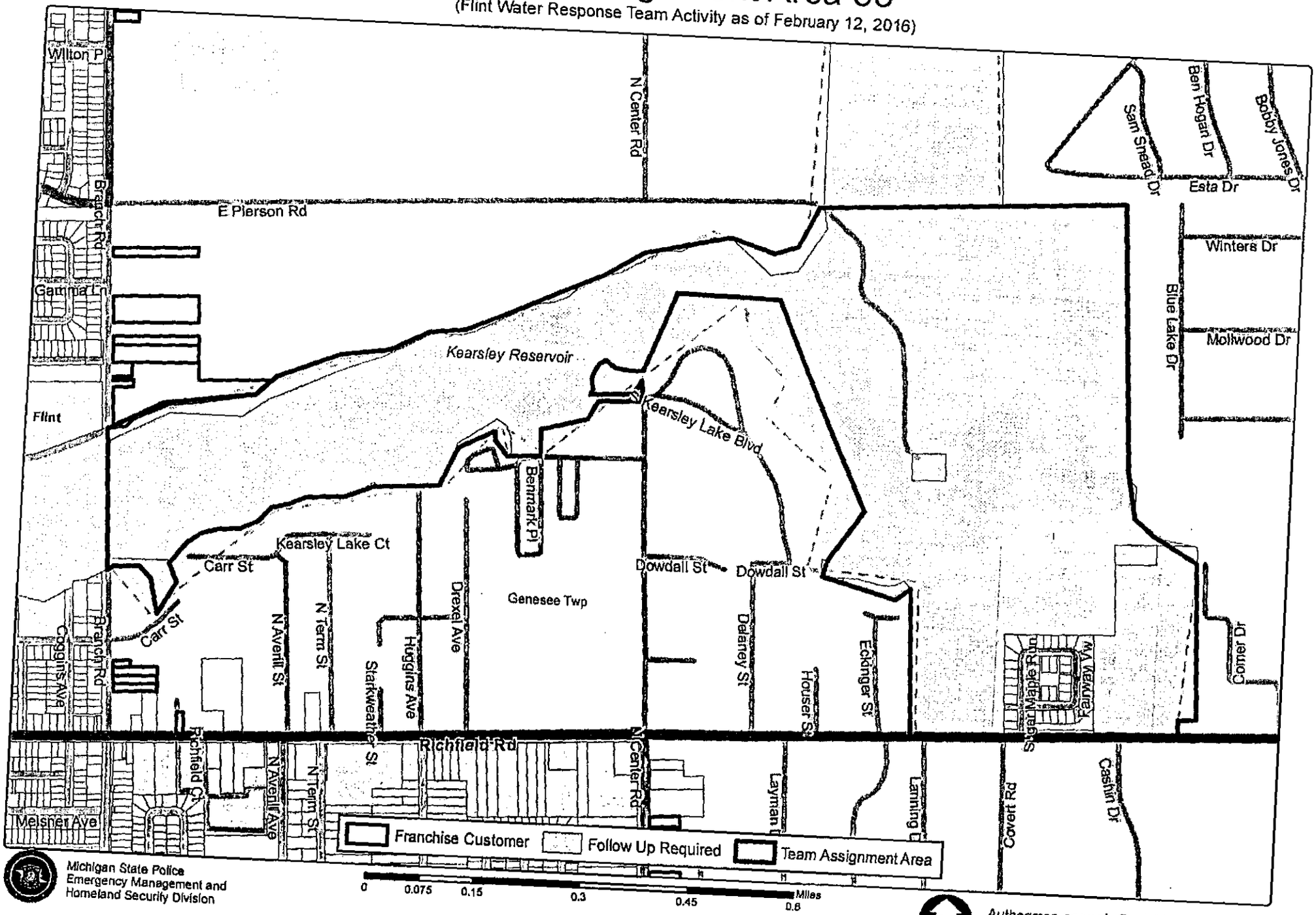


Michigan State Police
Emergency Management and Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Team Assignment Area 38

(Flint Water Response Team Activity as of February 12, 2016)



Michigan State Police
Emergency Management and
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:40 PM, 13 Feb 16

Flint Water Response Team Plan
Sunday, 02.14.16 Final

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
HH	Household
LEOC	Local Emergency Operations Center

Key Leaders

ARC OIC	Diane Fodness		Diane.fodness@redcross.org

Plan

Agency	Team Types	Mission
ARC	6 Type V	800 HH

Resource Status

ARC

Team Type & Quantity	**Type:** Type V **Quantity: 6** (6 ERV + 6 Trucks)				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	6	6		2/14/16	8:00 am
ARC ERV	6	6		2/14/16	8:00 am
ARC ERV Driver	6	6		2/14/16	8:00 am
Team Member	15-20	15-20		2/14/16	8:00 am
Team Transport Vehicle for 2-4 Team Members	6	6		2/14/16	8:00 am
Team Transport Vehicle Driver	6	6		2/14/16	8:00 am
iPads	6	6		2/14/16	8:00 am
Hand Warmers	50	50		2/14/16	8:00 am
Distribution Kit	800	800		2/14/16	8:00 am

Execution:

Key Locations

ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Team Assignment – Target Areas

Team Priority – Visit (83) City of Flint Addresses that receive City Water and continue to classify as a No Contact. List of addresses sorted by Map Section and corresponding Maps are attached.

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix.

Lunch

Lunch will be provided by the ARC.

Reporting:

Tactics:

1. All WRTs will utilize iPads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if iPads fail, unless specifically directed otherwise by the SEOC. It is likely the iPads will not be used due to the extreme cold temperatures.

Flint Water Response Team Plan
Sunday, 02.14.16 Final

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
HH	Household
LEOC	Local Emergency Operations Center

Key Leaders

ARC OIC	Diane Fodness		Diane.fodness@redcross.org

Plan

Agency	Team Types	Mission
ARC	16 Type V	1600 HH

Resource Status

ARC

Team Type & Quantity	**Type:** Type V **Quantity: 16** (8 ERV + 8 Trucks)				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	8	8		2/14/16	8:00 am
ARC ERV	8	16		2/14/16	8:00 am
ARC ERV Driver	8	8		2/14/16	8:00 am
Team Member	20-32	20-32		2/14/16	8:00 am
Team Transport Vehicle for 2-4 Team Members	8	8		2/14/16	8:00 am
Team Transport Vehicle Driver	8	8		2/14/16	8:00 am
iPads	8	8		2/14/16	8:00 am
Hand Warmers	80	80		2/14/16	8:00 am
Distribution Kit	1600	1600		2/14/16	8:00 am

Execution:

Key Locations

ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Team Assignment – Target Areas

Team Priority – Visit (83) City of Flint Addresses that receive City Water and continue to classify as a No Contact. List of addresses sorted by Map Section and corresponding Maps are attached.

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix.

Lunch

Lunch will be provided by the ARC.

Reporting:

Tactics:

1. All WRTs will utilize iPads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if iPads fail, unless specifically directed otherwise by the SEOC. It is likely the iPads will not be used due to the extreme cold temperatures.

Transition:

Purpose: Plan for the transition of Local Emergency Operations Center (EOC) Operations, Logistics, and Planning Section Chiefs. The county Emergency Management Coordinator will assume the responsibility of staffing the three section chief positions through either mutual aid or county employees.

Transition Timeline: County officials should have personnel lined up to begin the transition on *(possibly Wednesday, February 17, 2016).* The incoming members will have three days to assume control and absorb all job duties. State staff will be off-site close of business *(possibly Friday, February 19, 2016).*

Execution: Incoming Operations, Logistics, and Planning Section Chiefs would be under the command of the Incident Commander.

Operational Period: Local EOC hours are dictated by the operational hours of the points of distributions (PODs). The Incident Commander will adjust the EOC hours as deemed appropriate. The incident commander will also dictate what the length of the operational period.

Positions: A minimum of three people are needed to staff the Logistics, Operations, and Planning Section Chiefs in the EOC. County government has already assigned a Sheriff's office Deputy to the Joint Information Center (JIC). Job training will be given during the transition period.

- *Local resources have identified two sheriff department employees that can be utilized for the response. One has already been assigned to the JIC. The second is yet to be assigned and duties are yet to be assigned. These positions are only available Monday to Friday, 8:00am to 5:00pm. Additional personnel will be needed beyond these pre-identified or existing personnel.*

Job Functions:

- Planning:
  - Complete all forms necessary to complete an Incident Action Plan (IAP) for each operational period.
  - Complete a daily situation report to account for the activities of the day.
  - Coordinate the proper allocation of resources provided through the Logistics Section.
  - Specific instructions for special projects are available.
  - This position functions at the beginning of the hours of operation till the completion of the daily situation report.
- Logistics:
  - Complete and submit Rapid Response requests to the warehouse to be filled.
  - Assist in the securing and mobilization of resources for operations.
  - Specific instructions for special projects are available.
  - This position functions at the beginning of the hours of operation and is completed at the end of the hours of operation or as the call volume stops and all daily tasks are completed.

- Operations:
    - Work with the Incident Commander on tactical mission assignments for teams canvasing the area.
    - This position functions at the beginning of the hours of operation till the end of the operational period.

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City of Flint Addresses

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5			FLINT	48503	RI
5		CIR	FLINT	48503	RV
5	1	CT	FLINT	48503	RI
5		CT	FLINT	48503	RI
6		ST	FLINT	48503	RI
6		D	FLINT	48506	RI
7		VE	FLINT	48503	RI
8			FLINT	48504	RI
8		GROVE AV	FLINT	48504	RI
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8			FLINT	48503	RI
8		I ST	FLINT	48503	RI
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9		VE	FLINT	48507	RI
9		VE	FLINT	48507	RI
9		VE	FLINT	48507	RI
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27		OD AVE		FLINT	48506	RI
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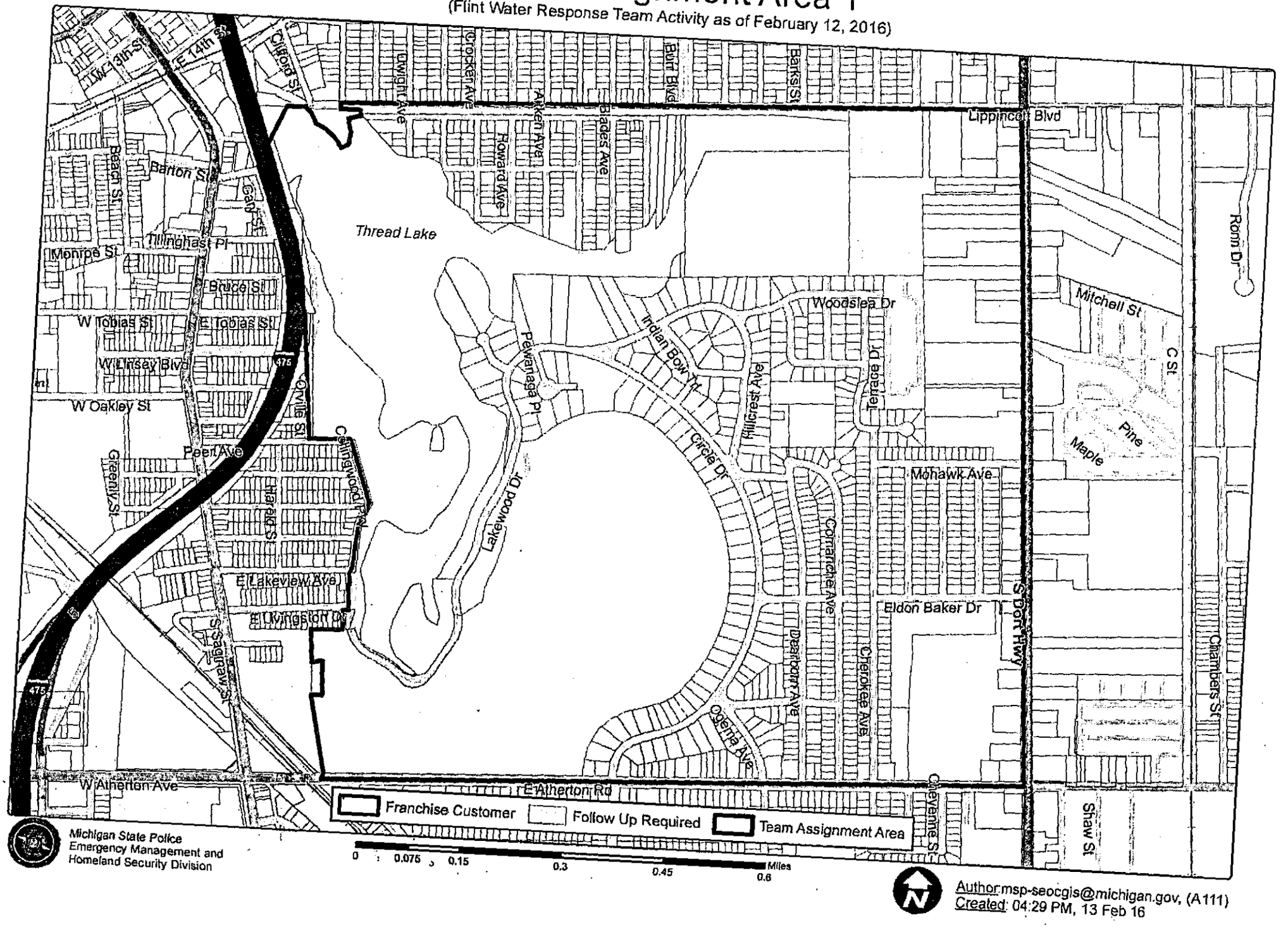
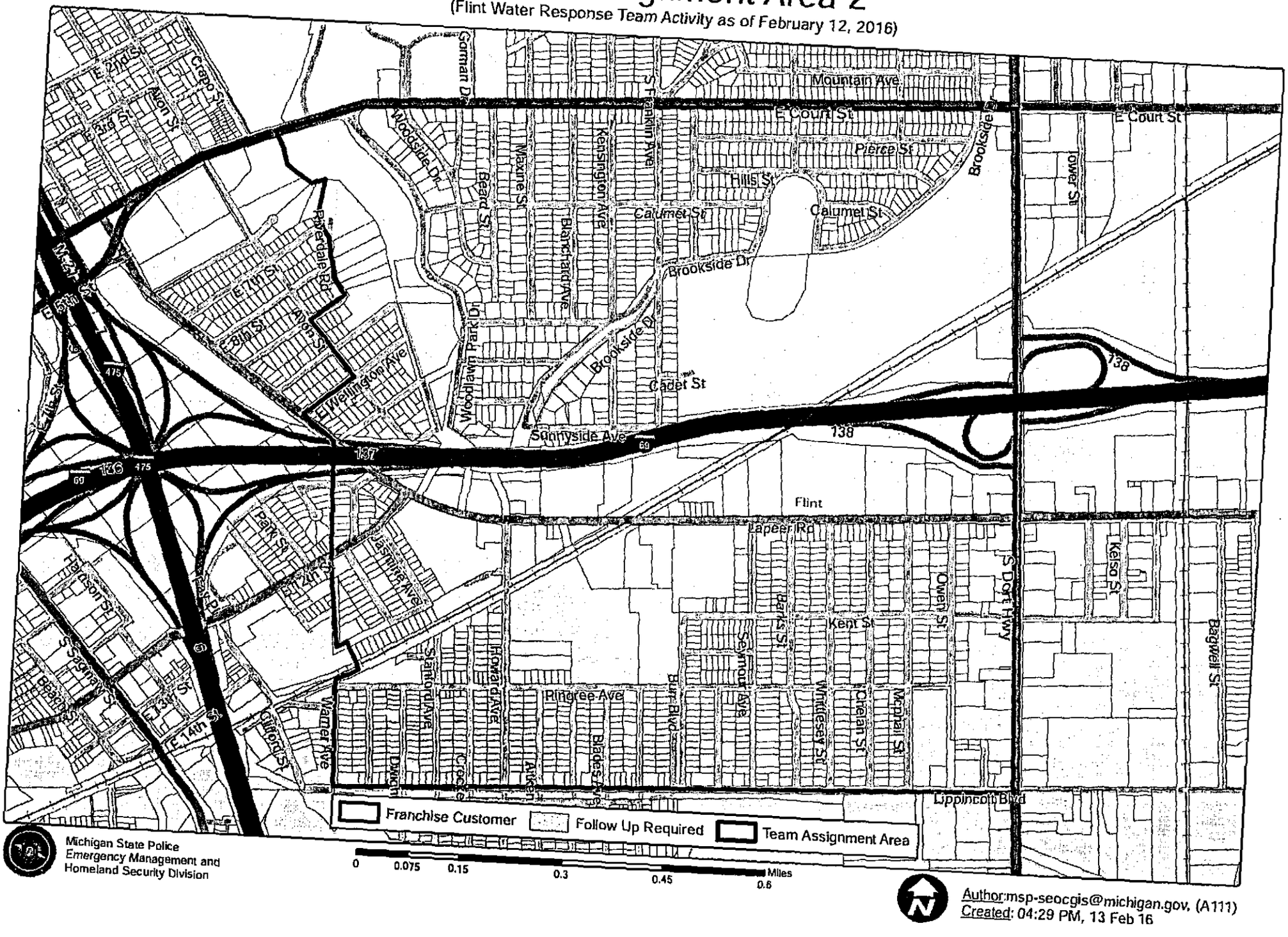
Team Assignment Area 1

(Flint Water Response Team Activity as of February 12, 2016)



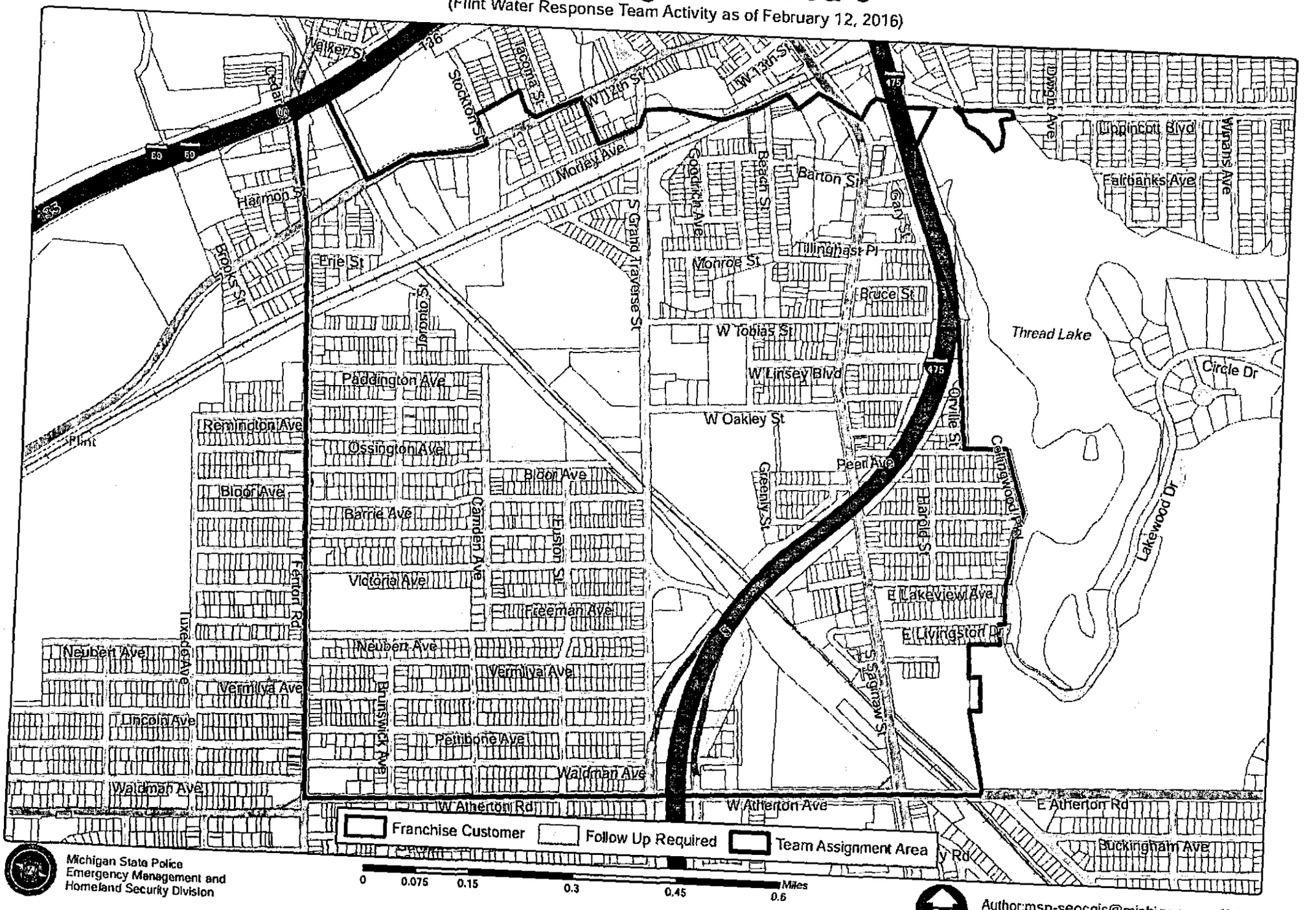
Team Assignment Area 2

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 3

(Flint Water Response Team Activity as of February 12, 2016)



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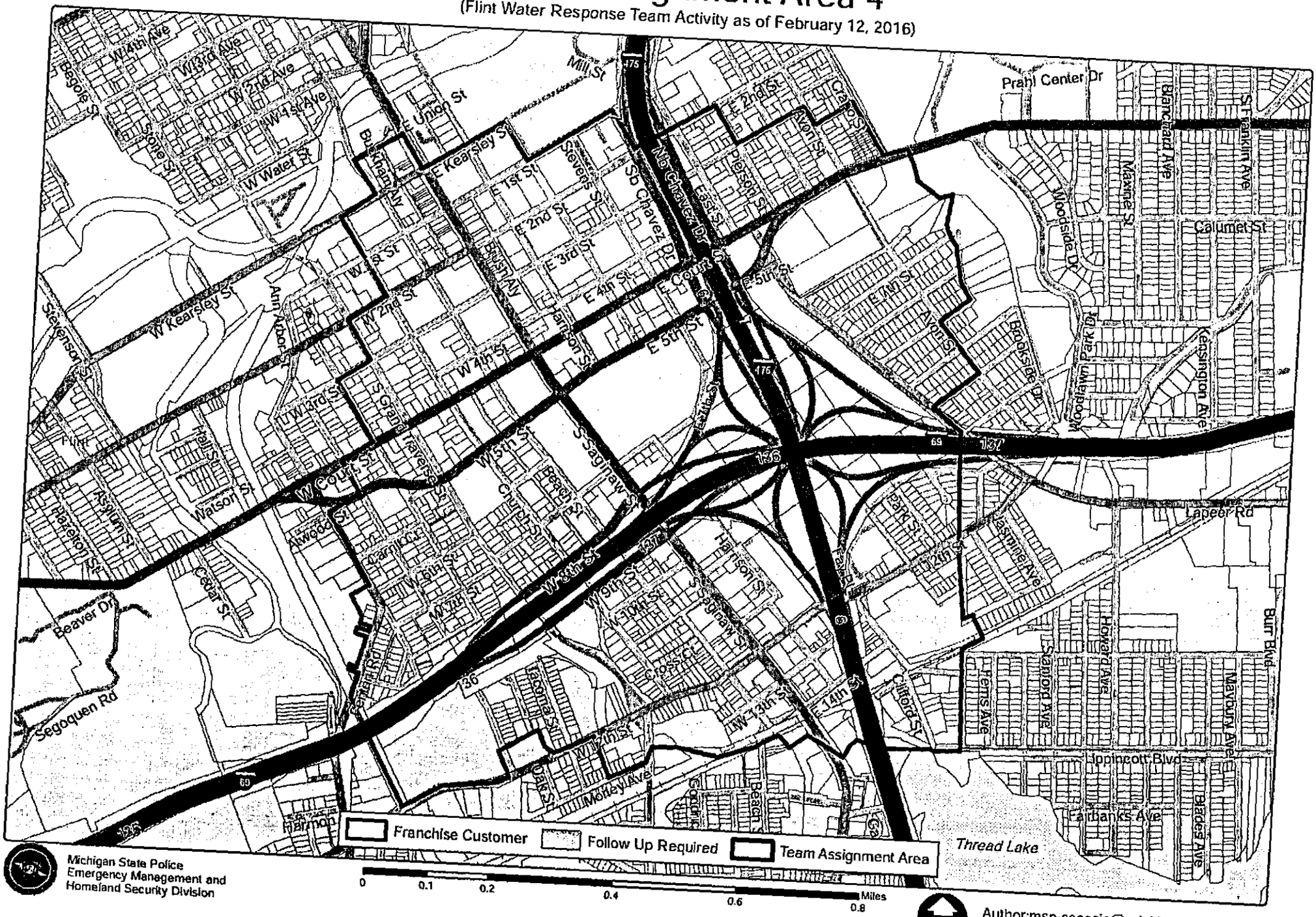
Team Assignment Area 4

(Flint Water Response Team Activity as of February 12, 2016)



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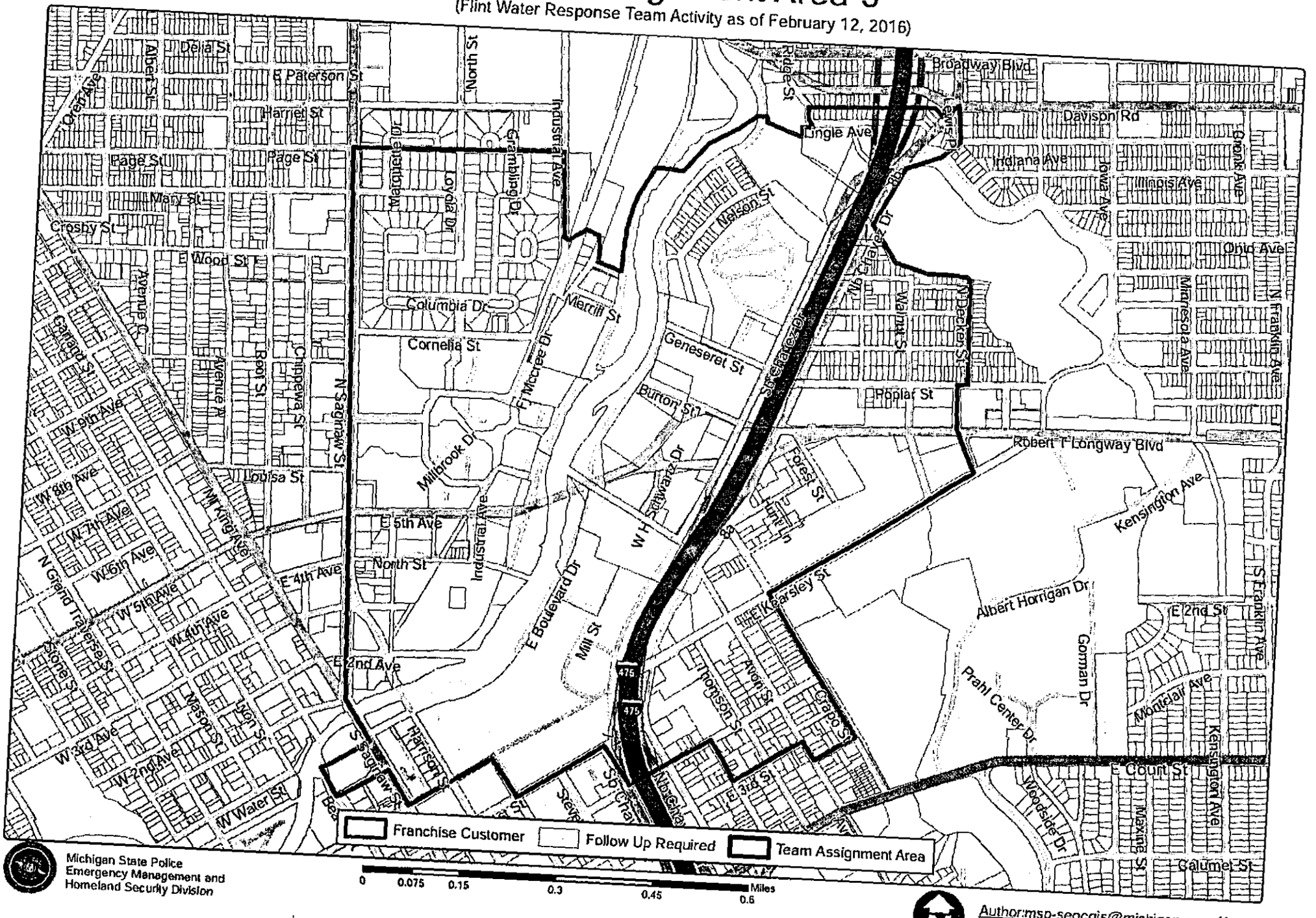
Team Assignment Area 5

(Flint Water Response Team Activity as of February 12, 2016)



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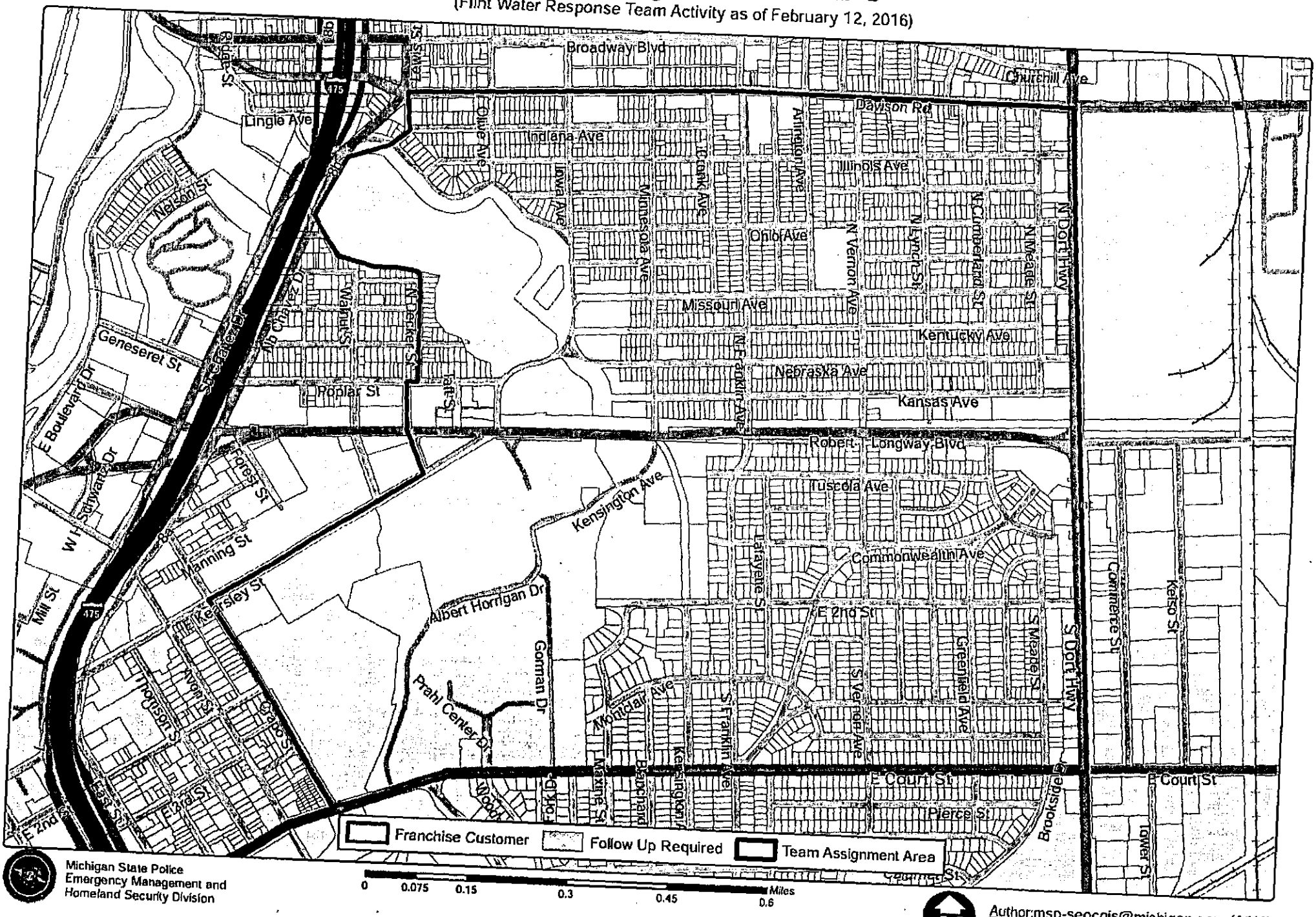
Team Assignment Area 6

(Flint Water Response Team Activity as of February 12, 2016)



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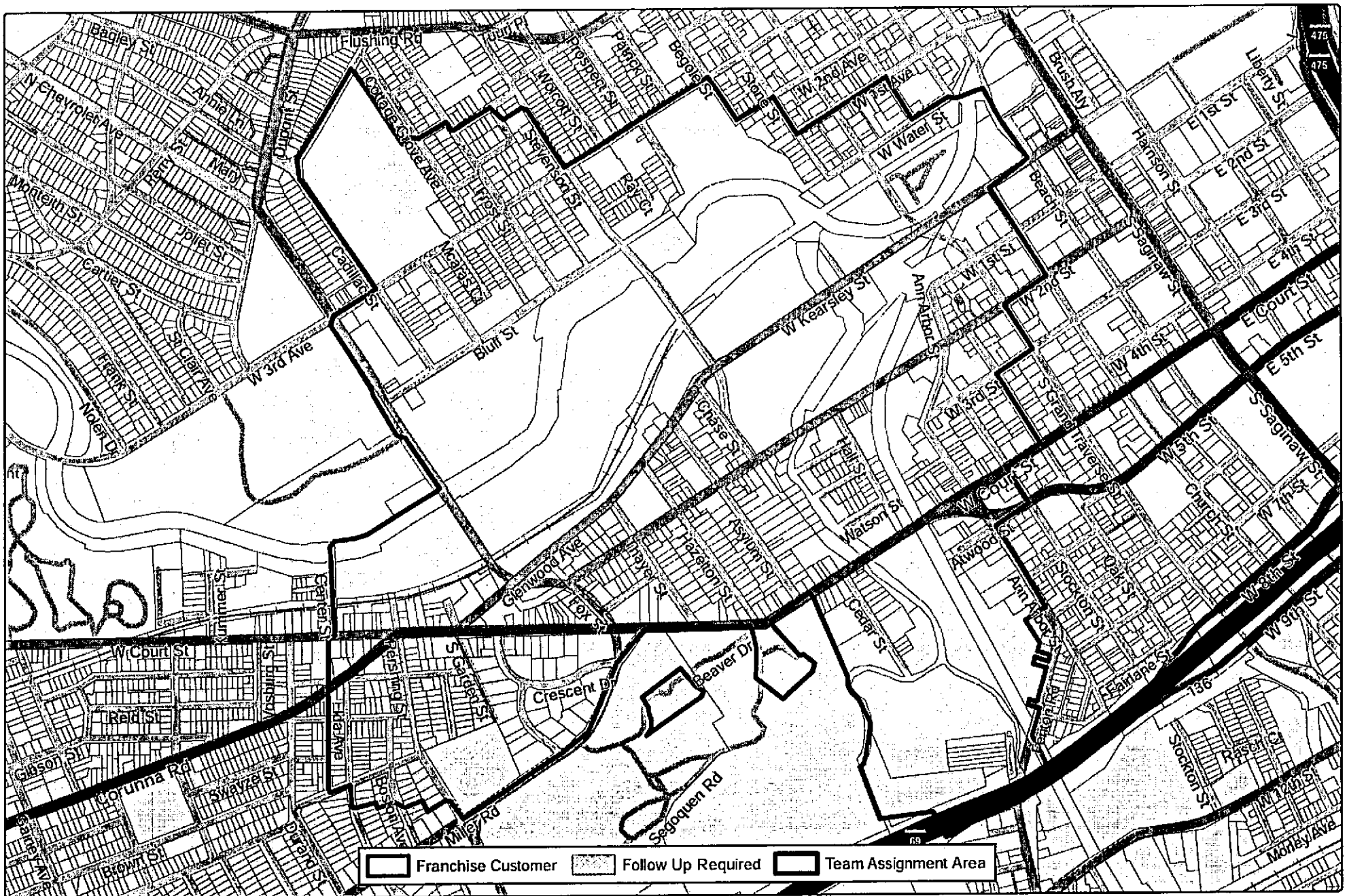
Team Assignment Area 7

(Flint Water Response Team Activity as of February 12, 2016)

Team Assignment Area 8

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 9

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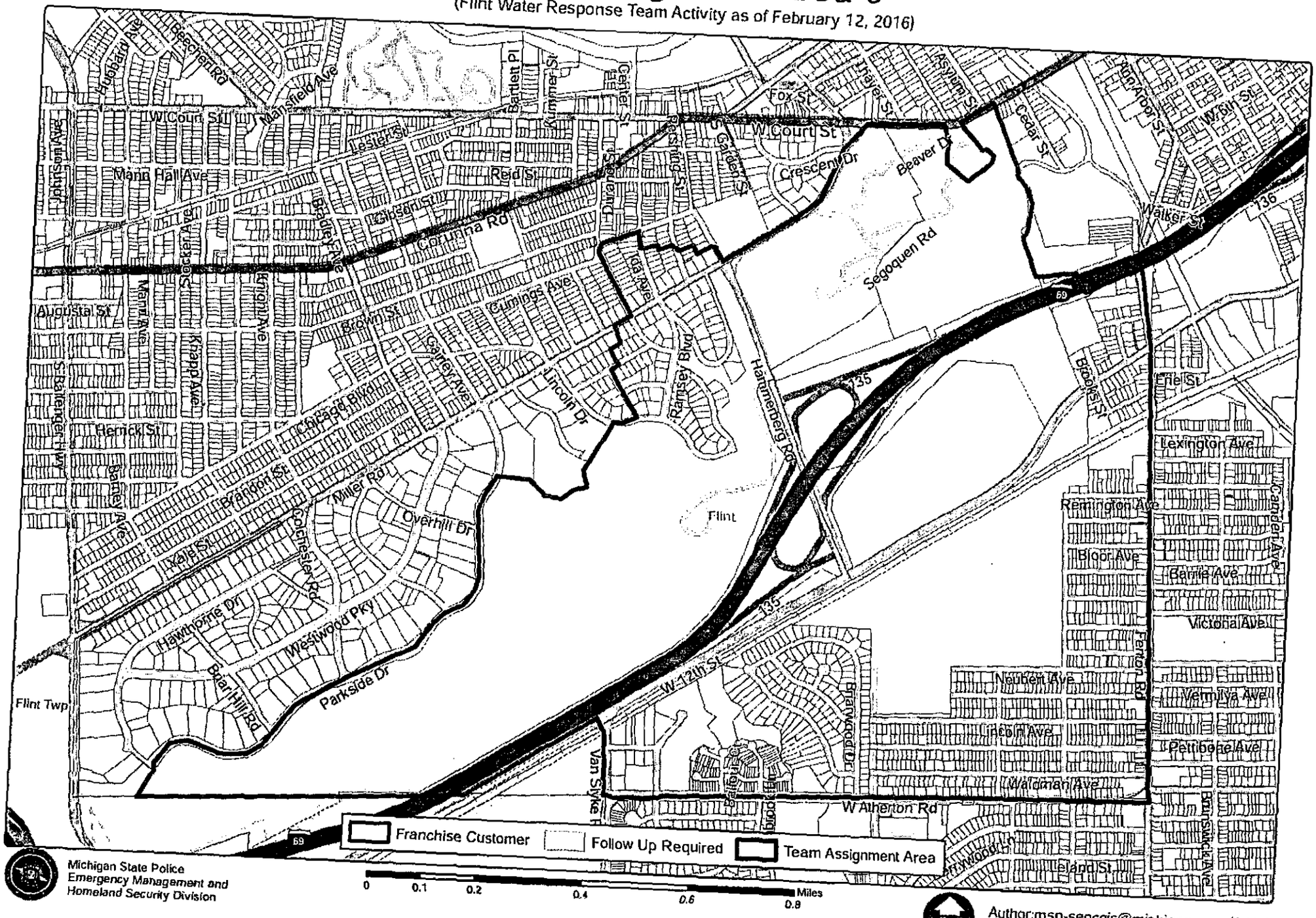
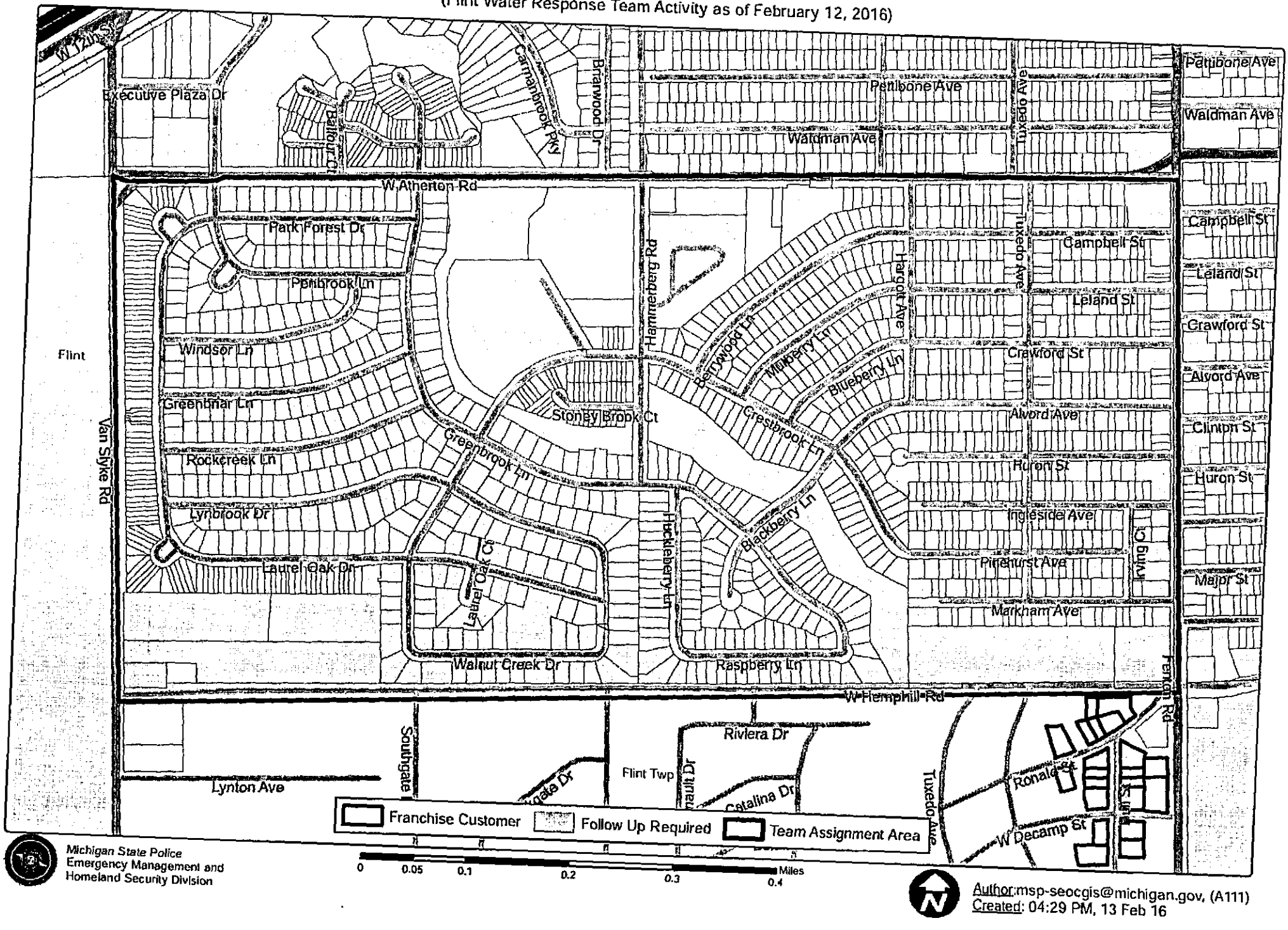


Team Assignment Area 10

(Flint Water Response Team Activity as of February 12, 2016)



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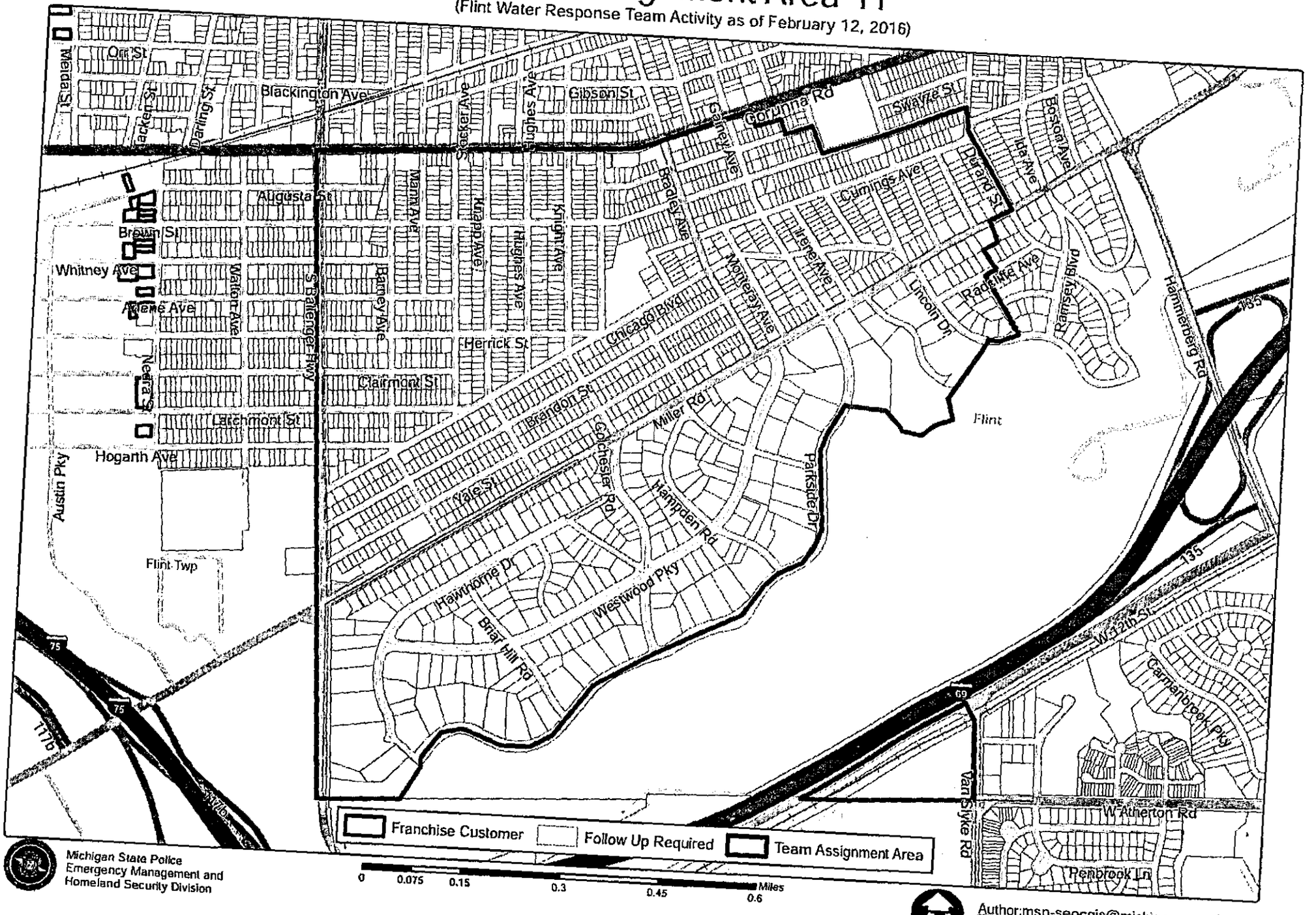
Team Assignment Area 11

(Flint Water Response Team Activity as of February 12, 2016)



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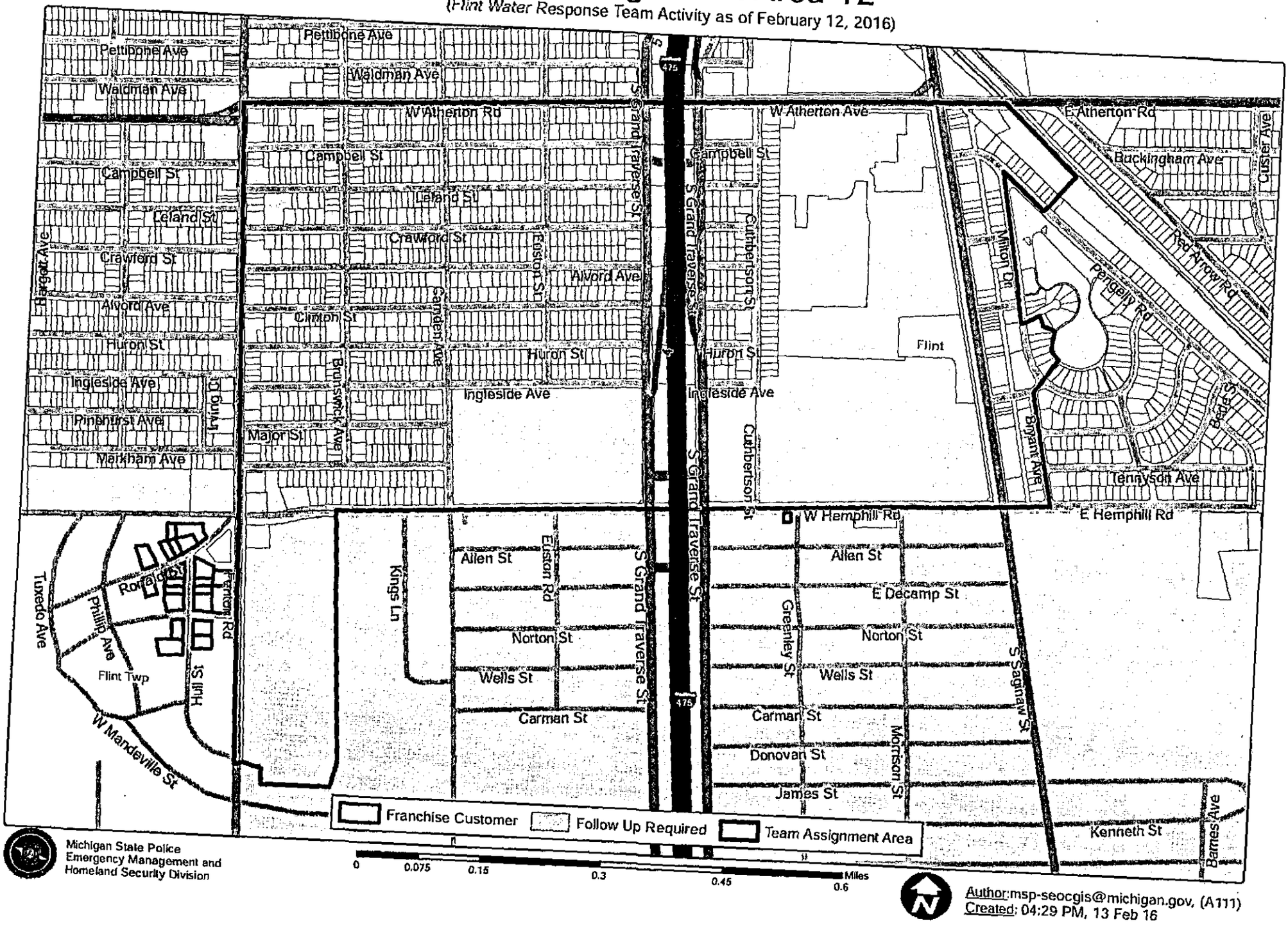
Team Assignment Area 12

(Flint Water Response Team Activity as of February 12, 2016)



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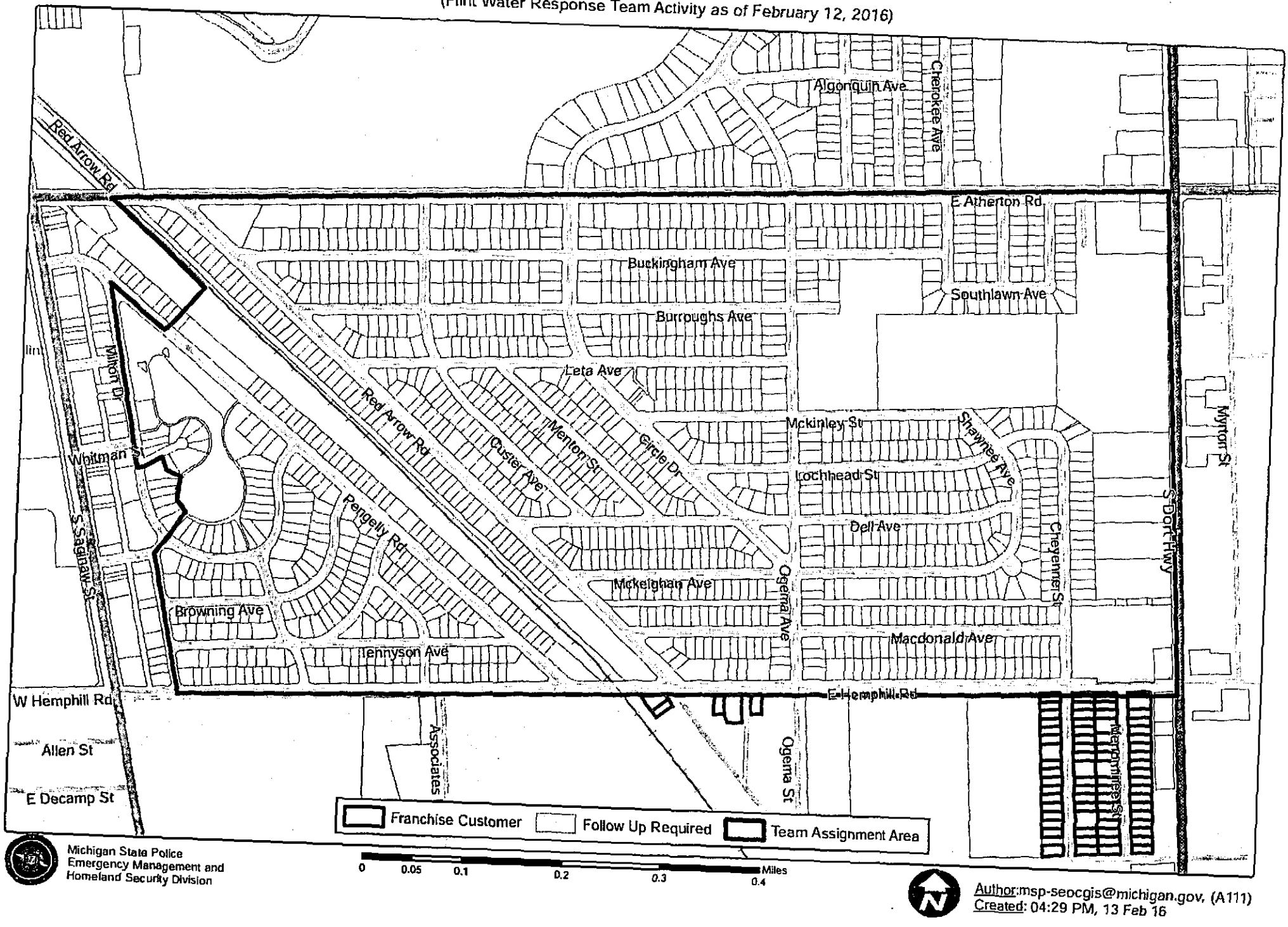
Team Assignment Area 13

(Flint Water Response Team Activity as of February 12, 2016)



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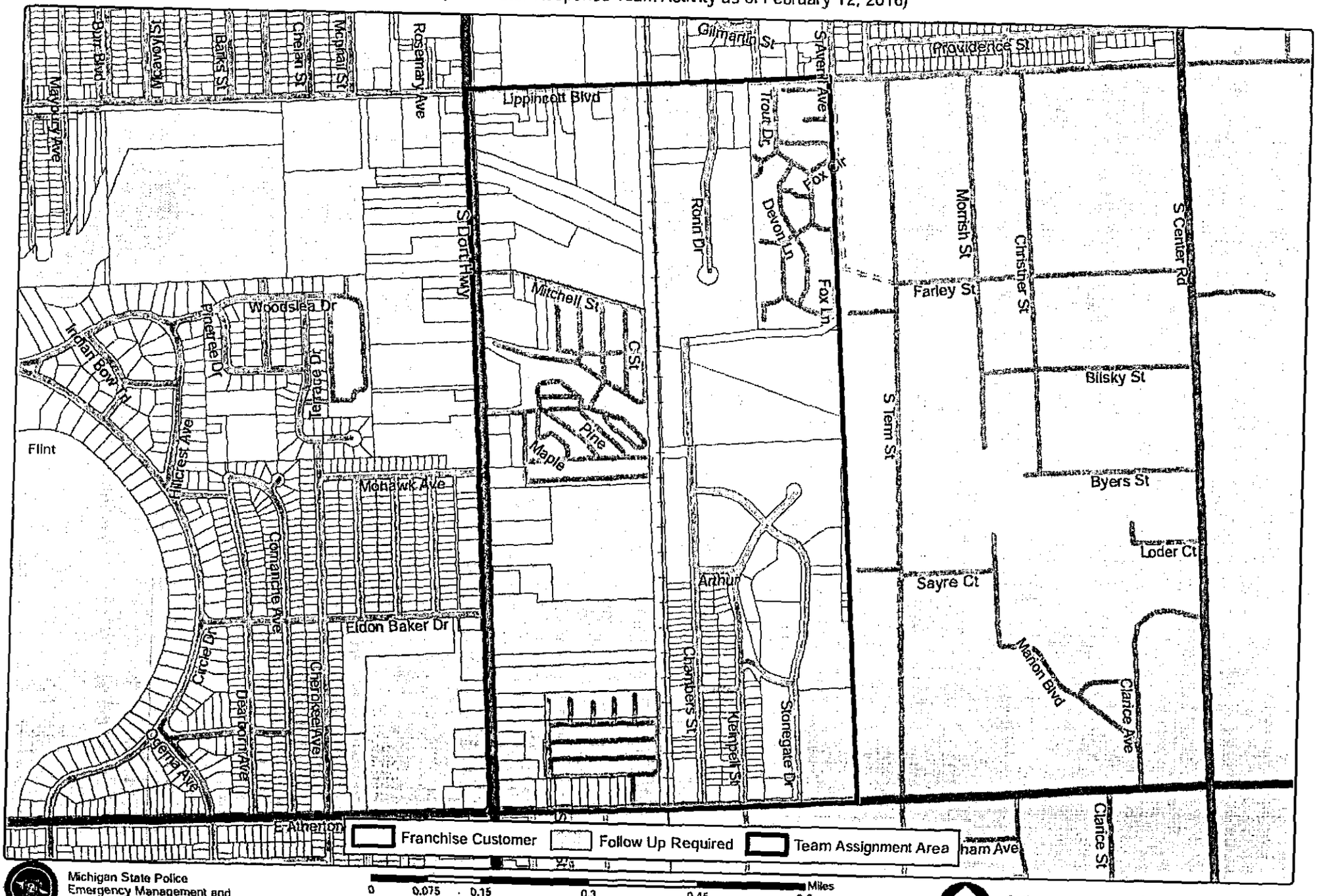
Team Assignment Area 14

(Flint Water Response Team Activity as of February 12, 2016)



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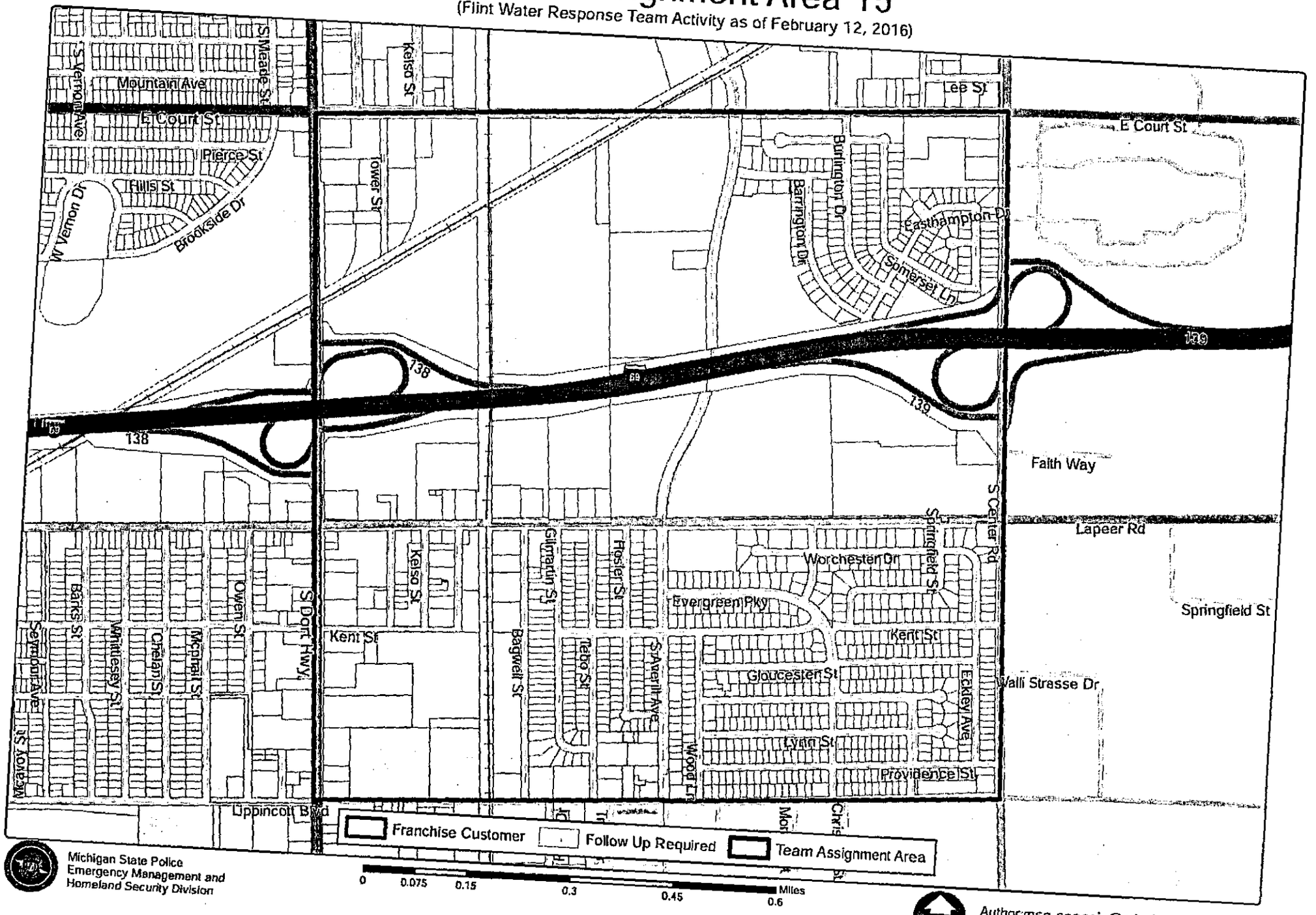
Team Assignment Area 15

(Flint Water Response Team Activity as of February 12, 2016)



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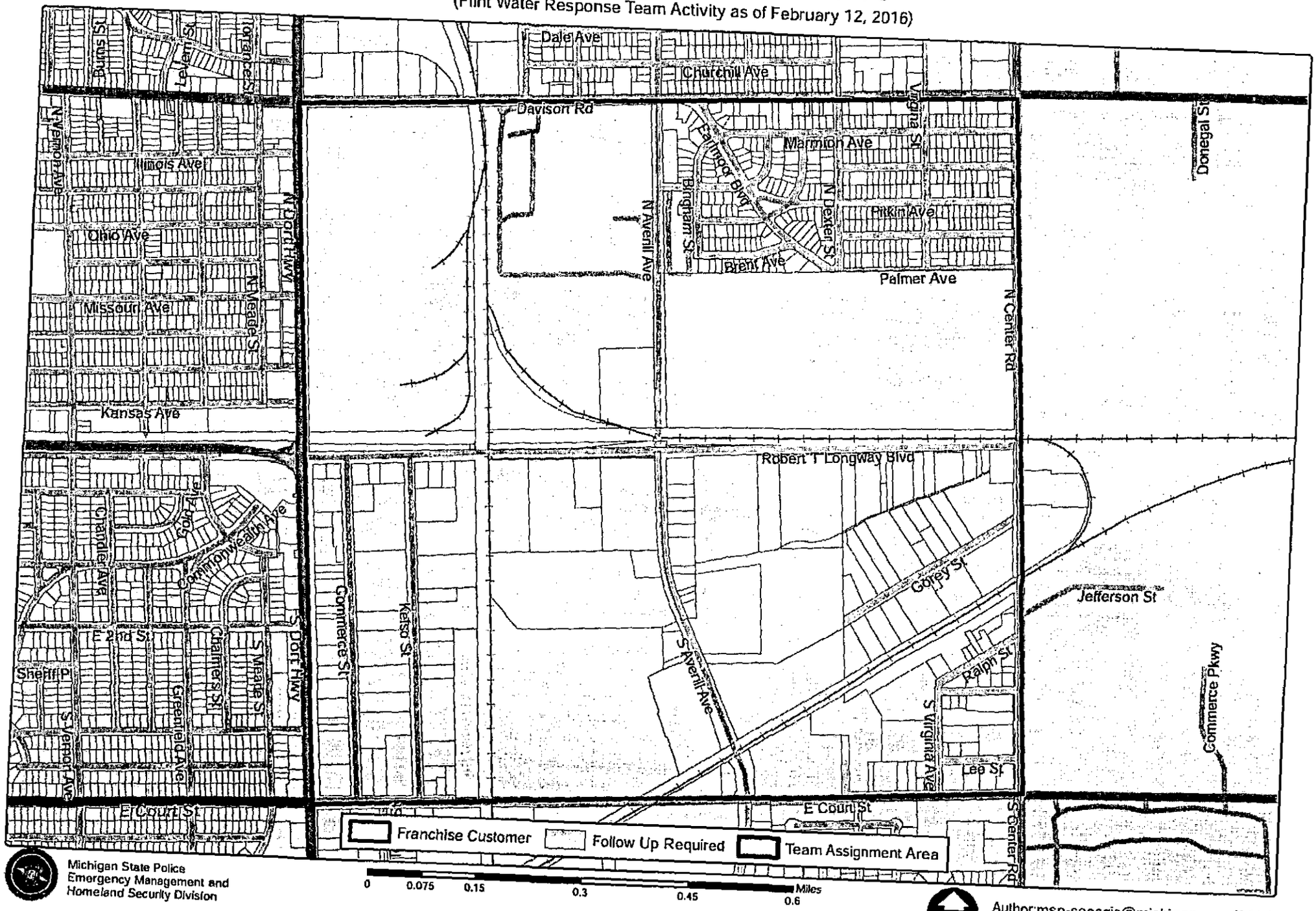
Team Assignment Area 16

(Flint Water Response Team Activity as of February 12, 2016)



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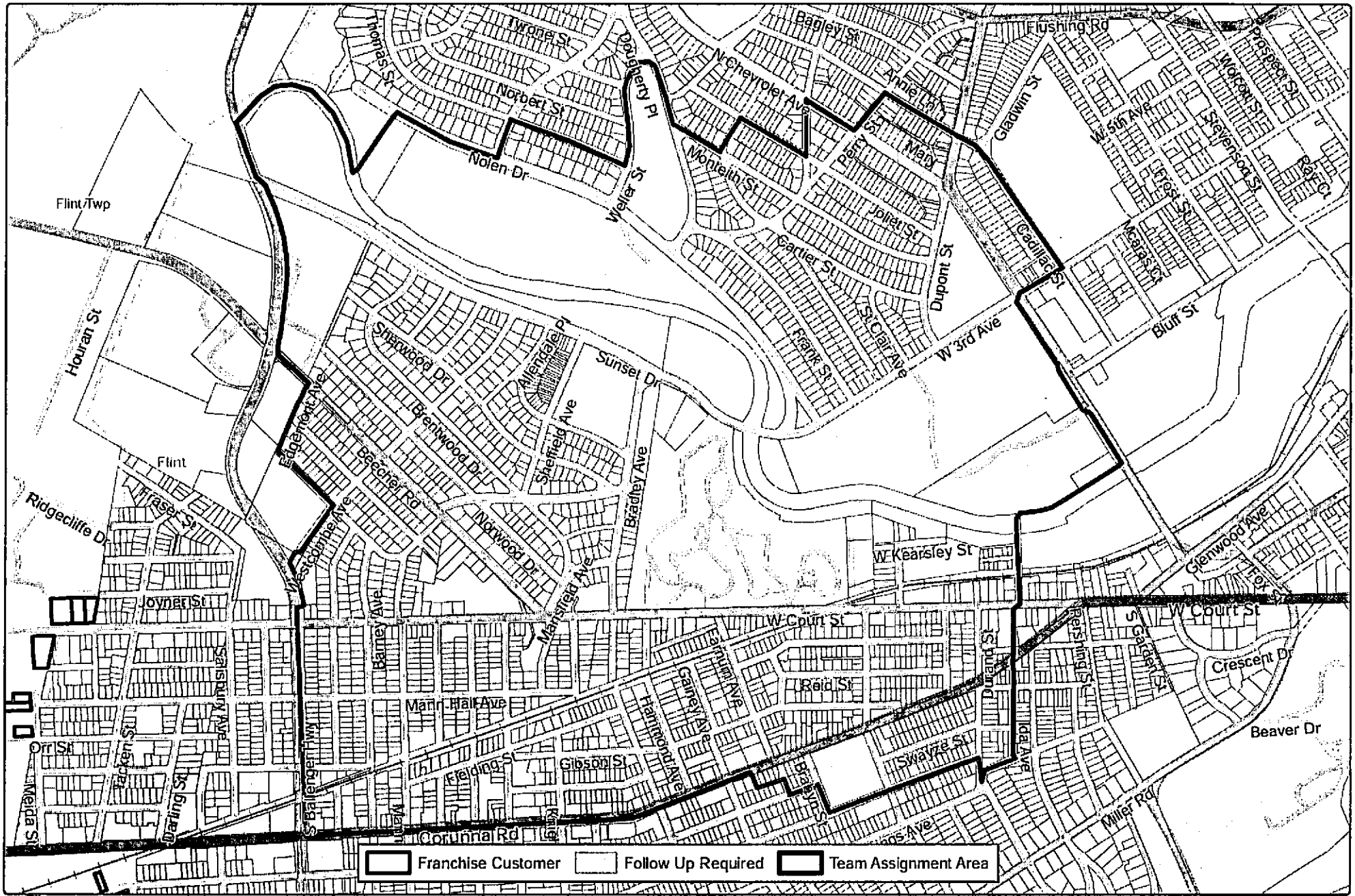
Team Assignment Area 17

(Flint Water Response Team Activity as of February 12, 2016)



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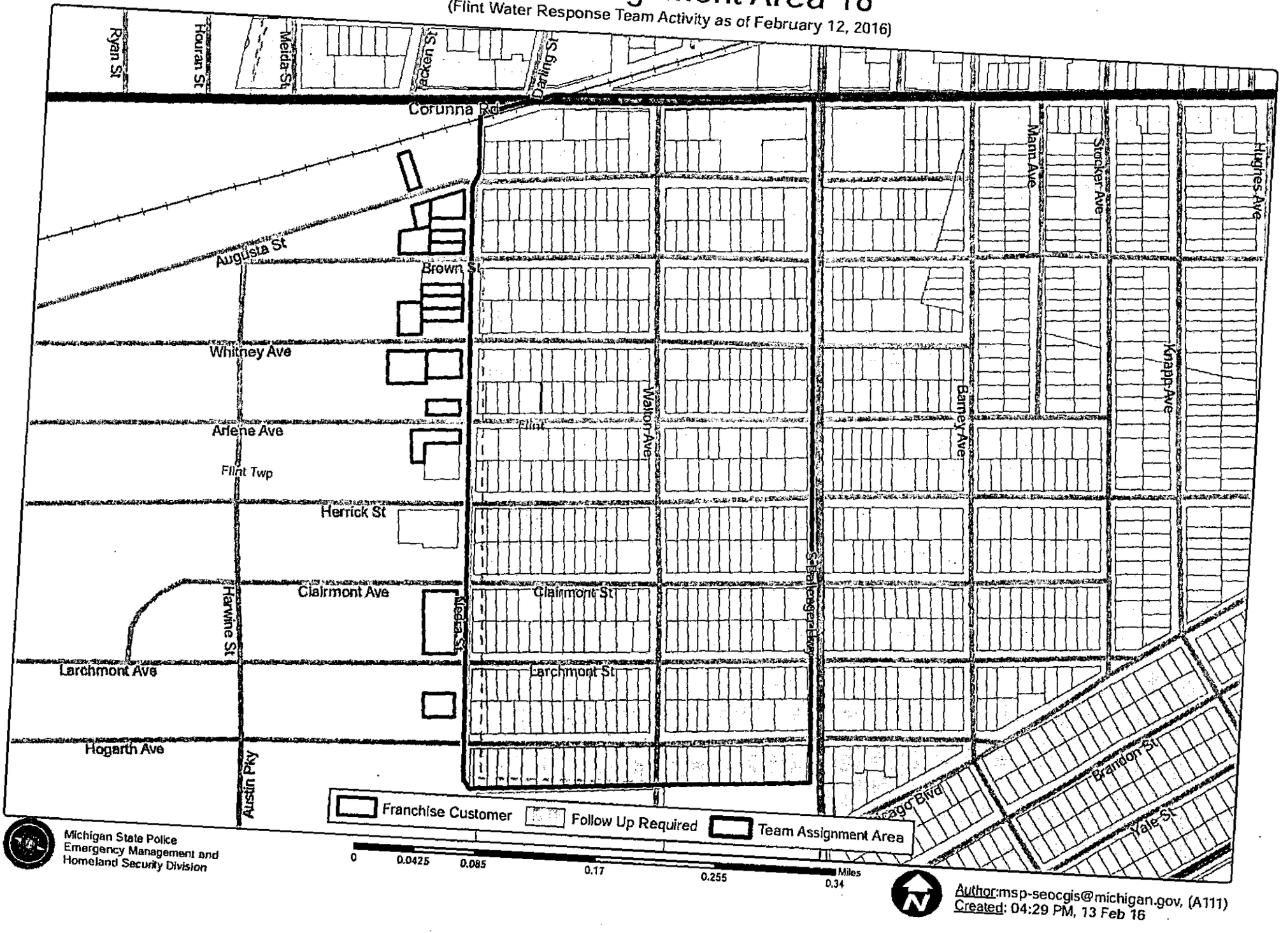
Team Assignment Area 18

(Flint Water Response Team Activity as of February 12, 2016)



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Team Assignment Area 19

(Flint Water Response Team Activity as of February 12, 2016)

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Team Assignment Area 20

(Flint Water Response Team Activity as of February 12, 2016)

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0 0.075 0.15 0.3 0.45 0.6 Miles

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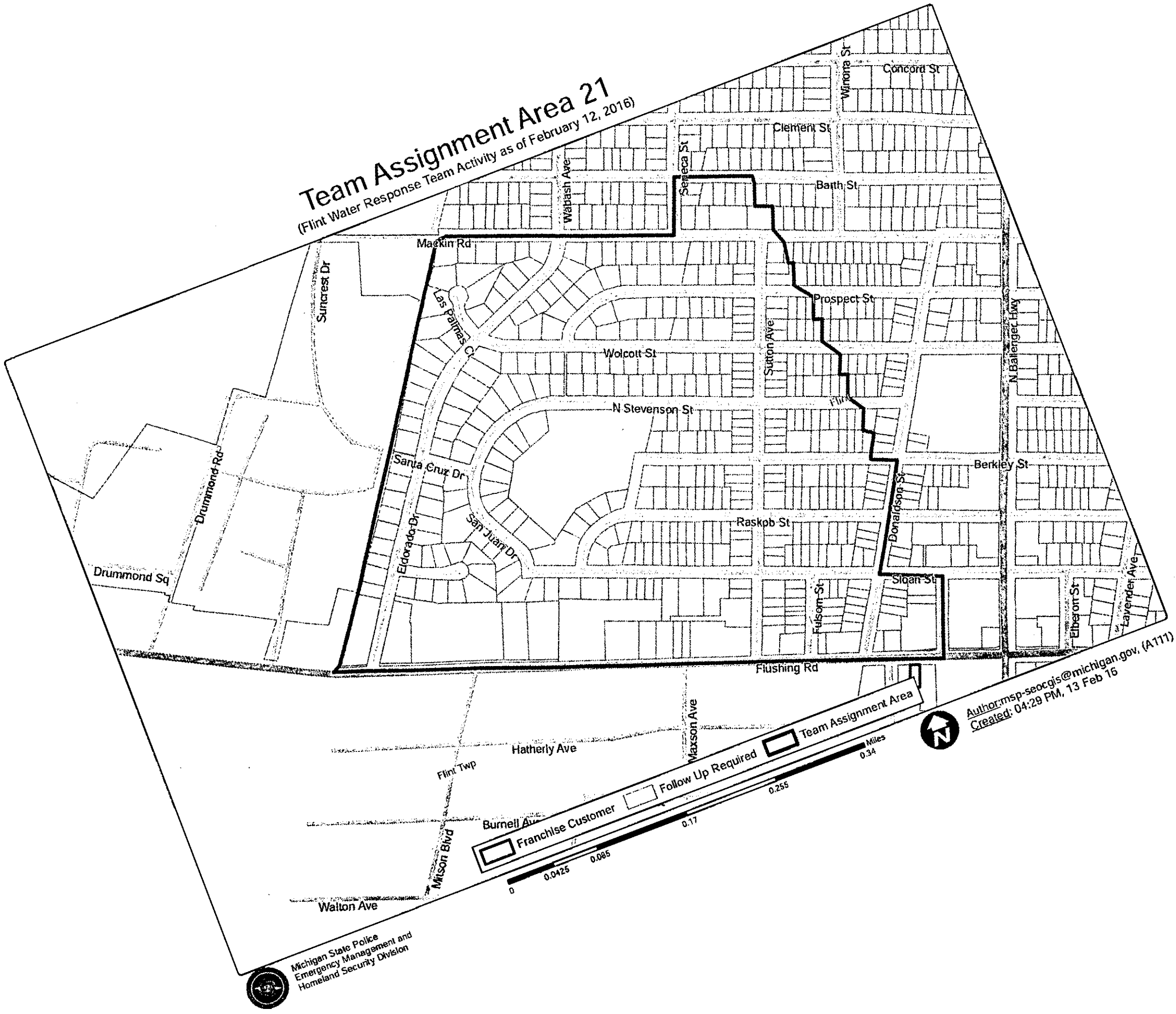
Team Assignment Area 21

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 22

(Flint Water Response Team Activity as of February 12, 2016)

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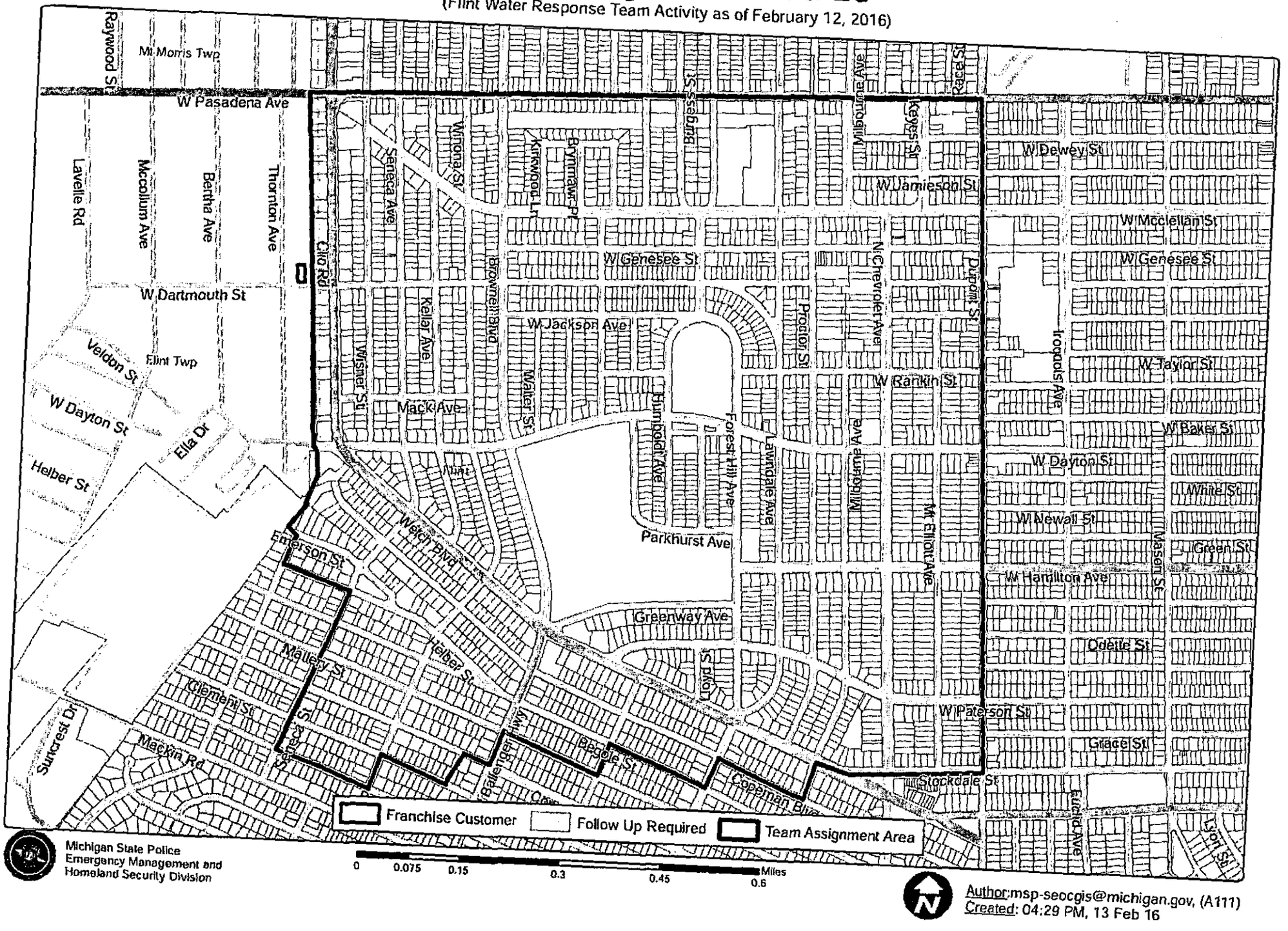
Team Assignment Area 23

(Flint Water Response Team Activity as of February 12, 2016)



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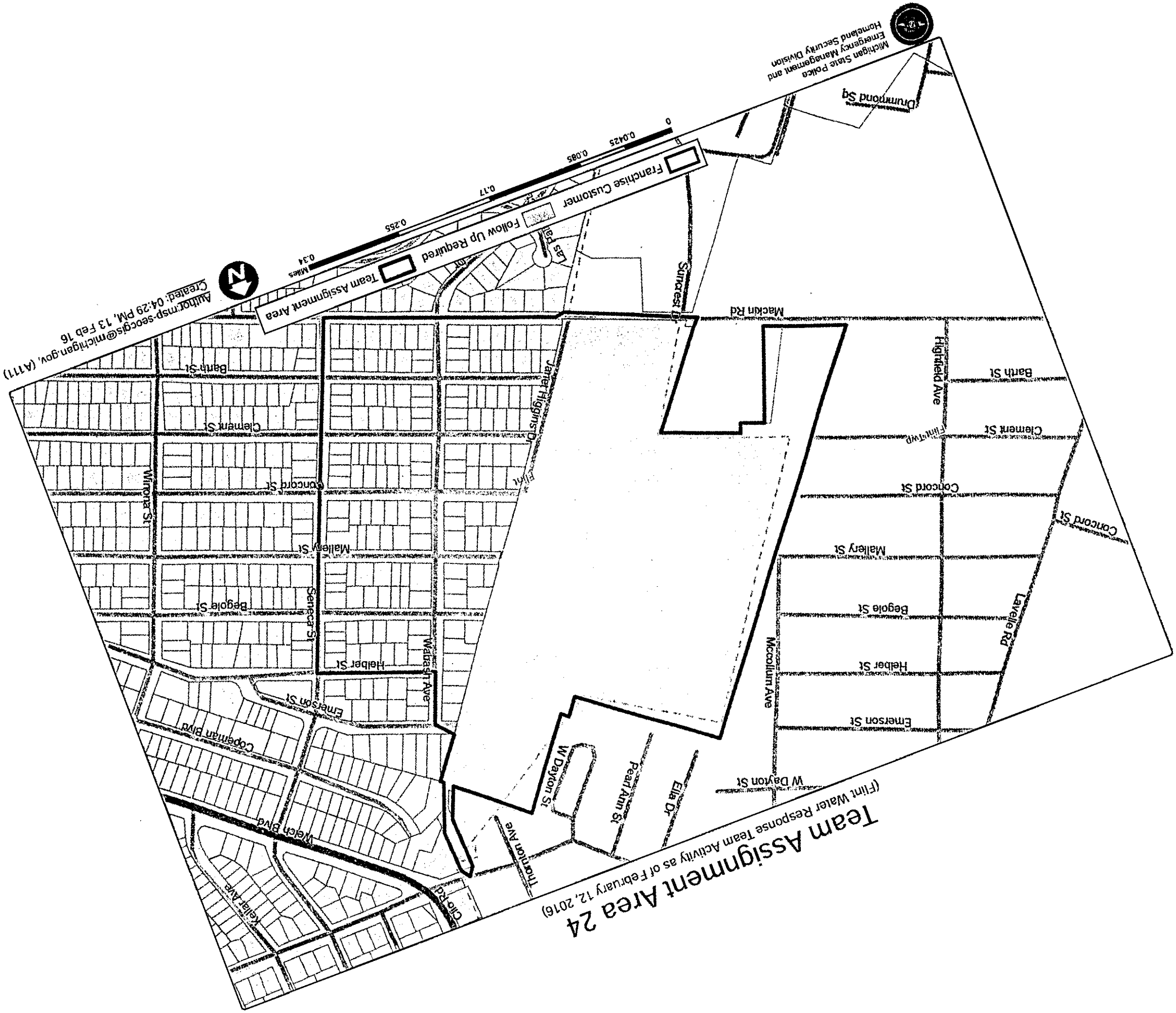
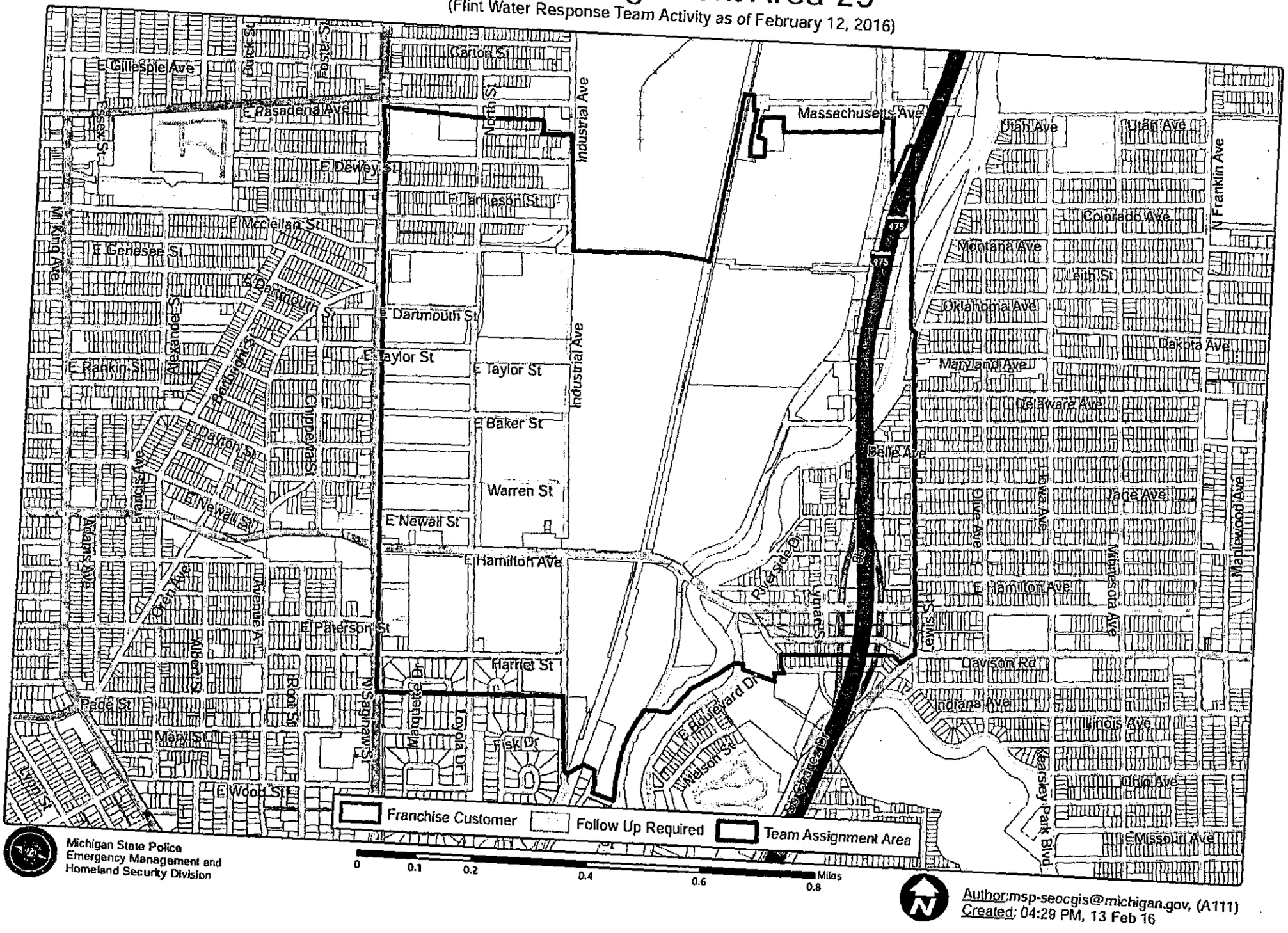
Team Assignment Area 24

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 25

(Flint Water Response Team Activity as of February 12, 2016)



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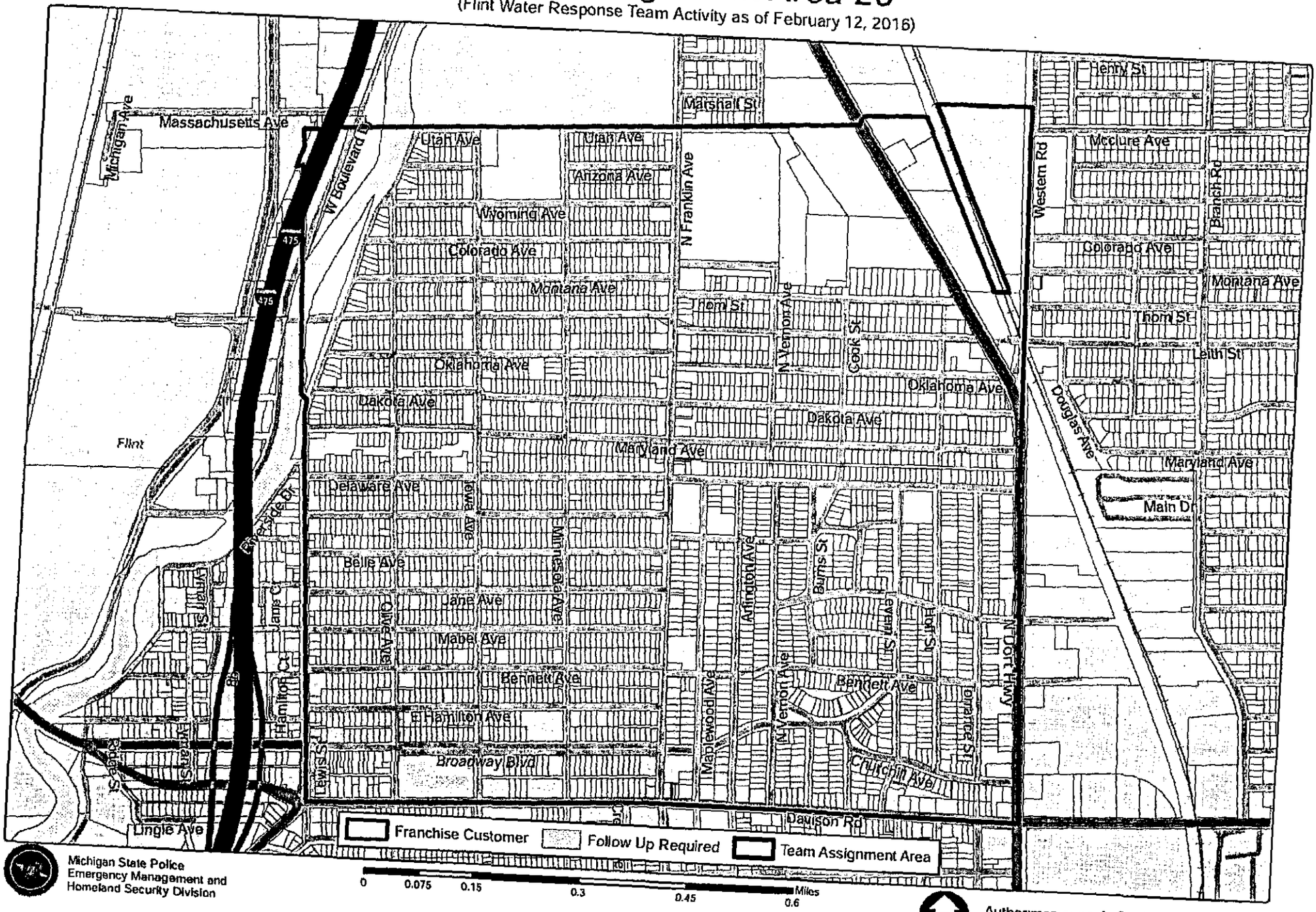
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 26

(Flint Water Response Team Activity as of February 12, 2016)



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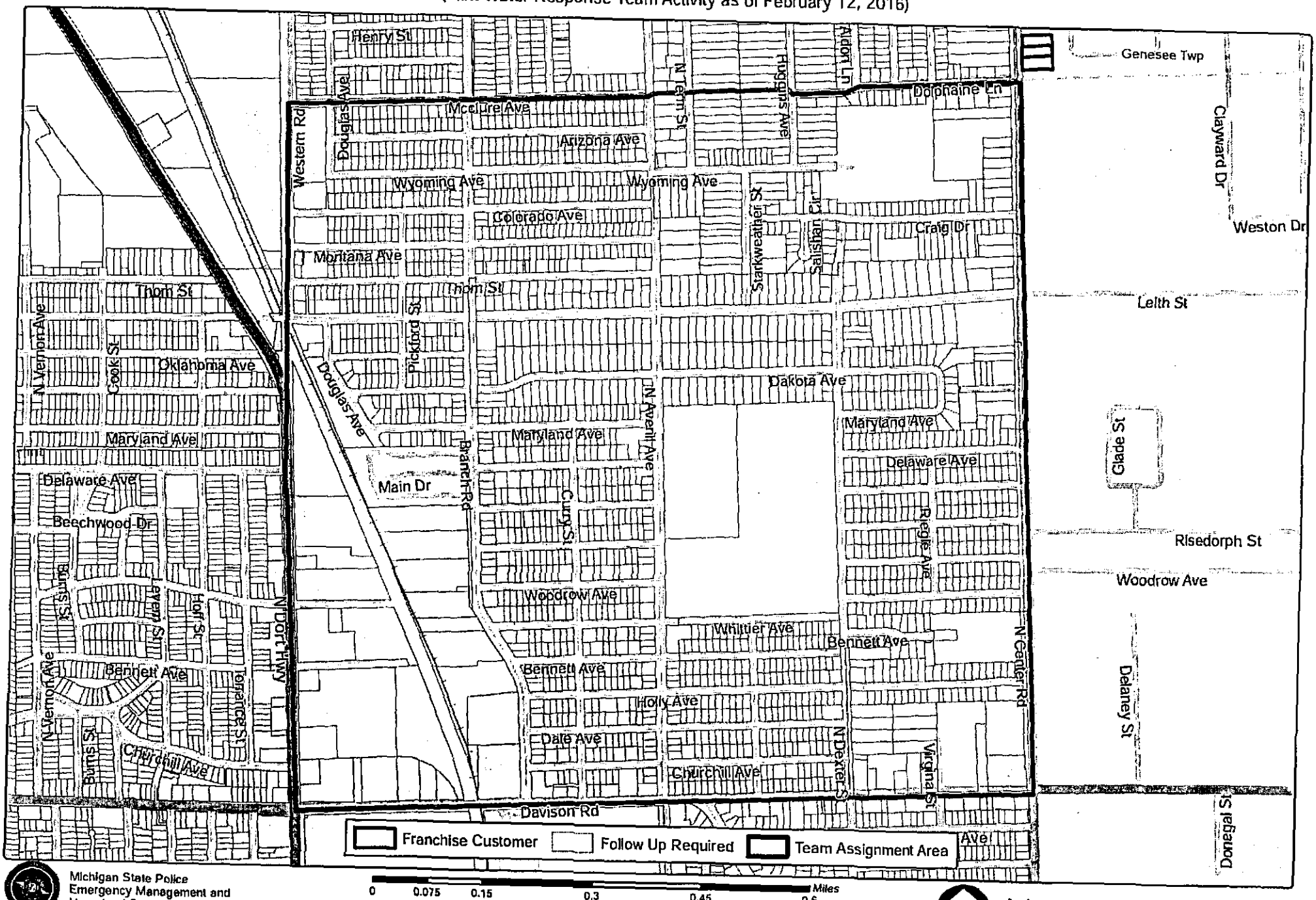
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

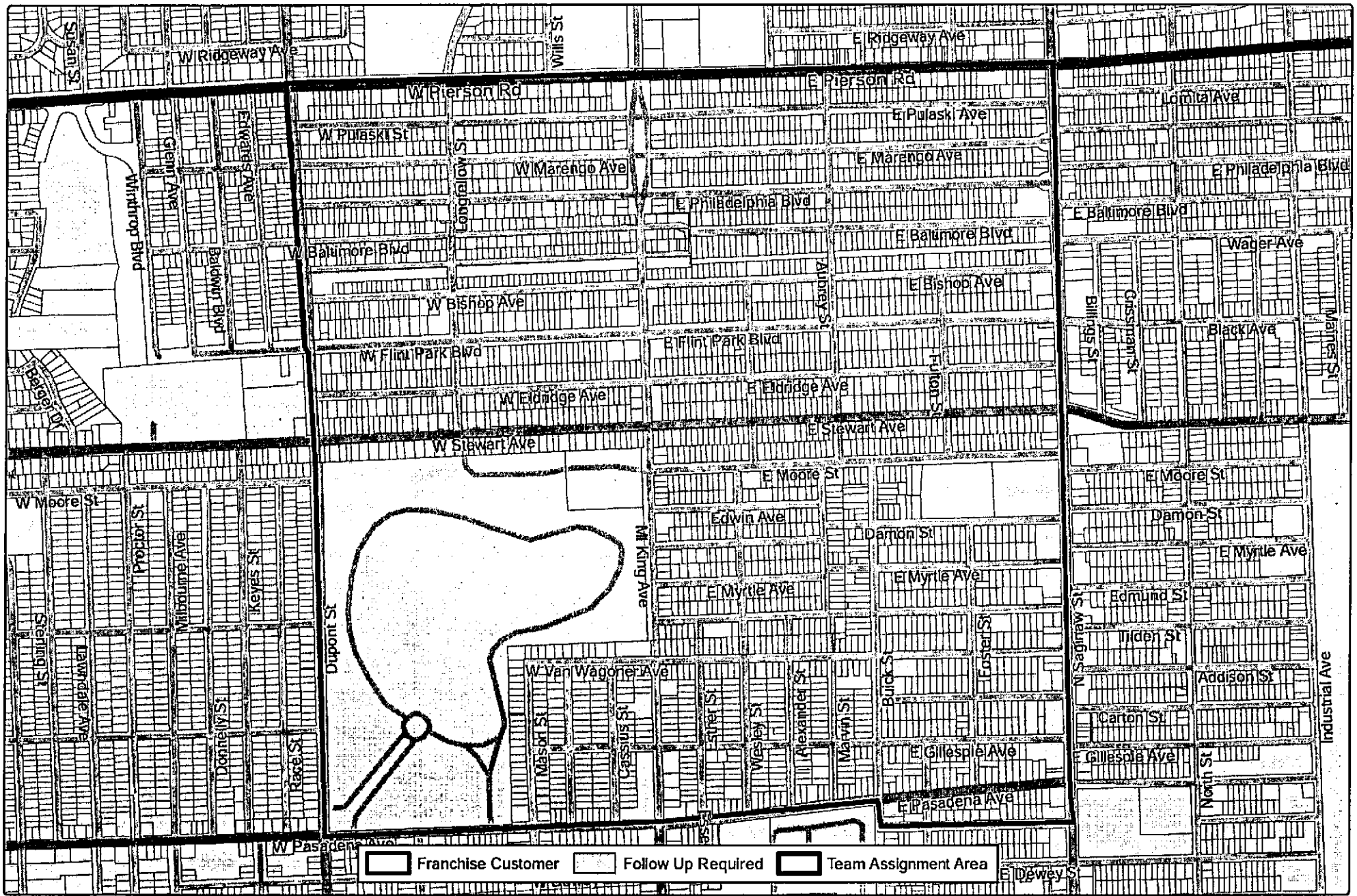
Team Assignment Area 27

(Flint Water Response Team Activity as of February 12, 2016)



Team Assignment Area 28

(Flint Water Response Team Activity as of February 12, 2016)



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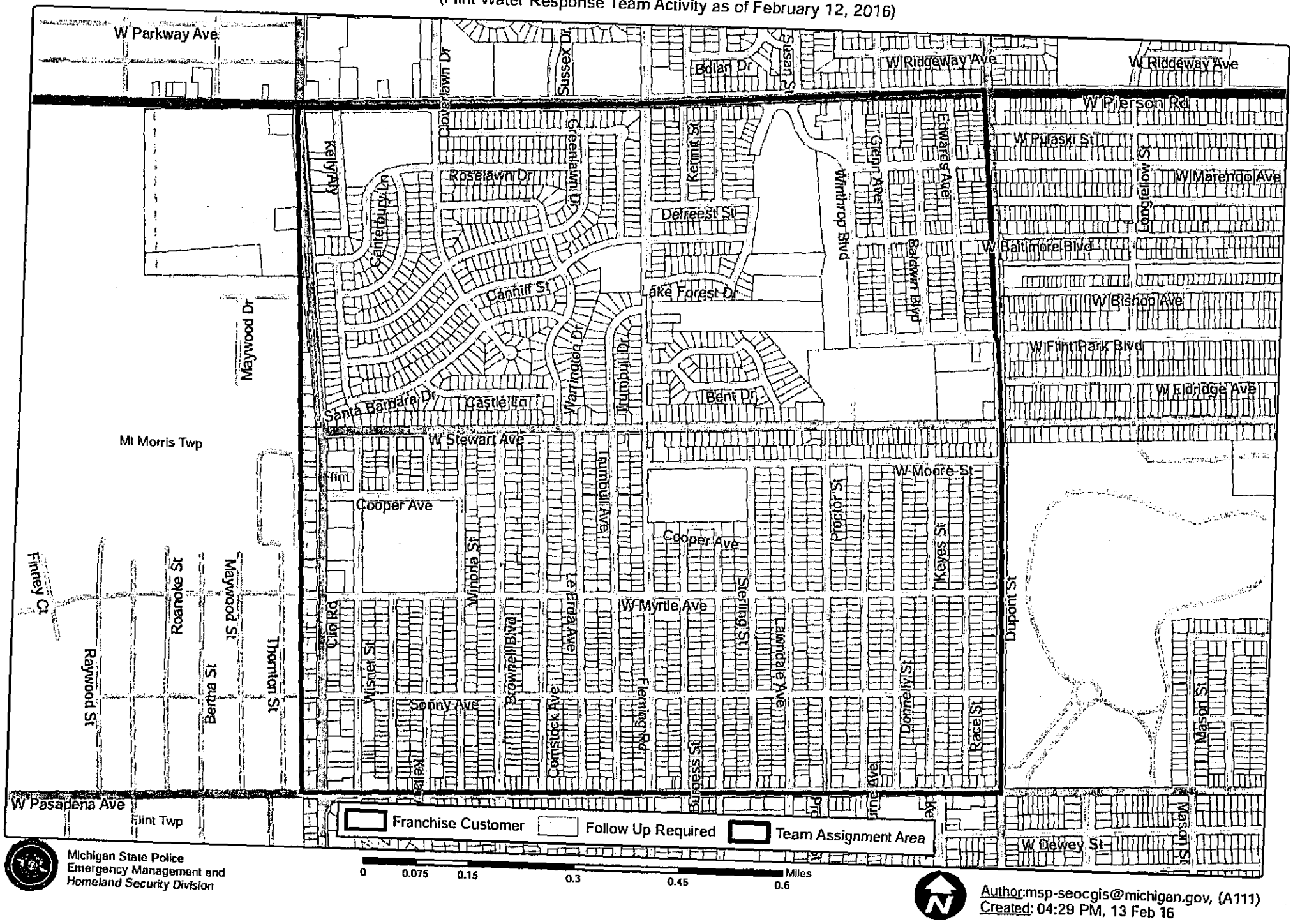
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 29

(Flint Water Response Team Activity as of February 12, 2016)



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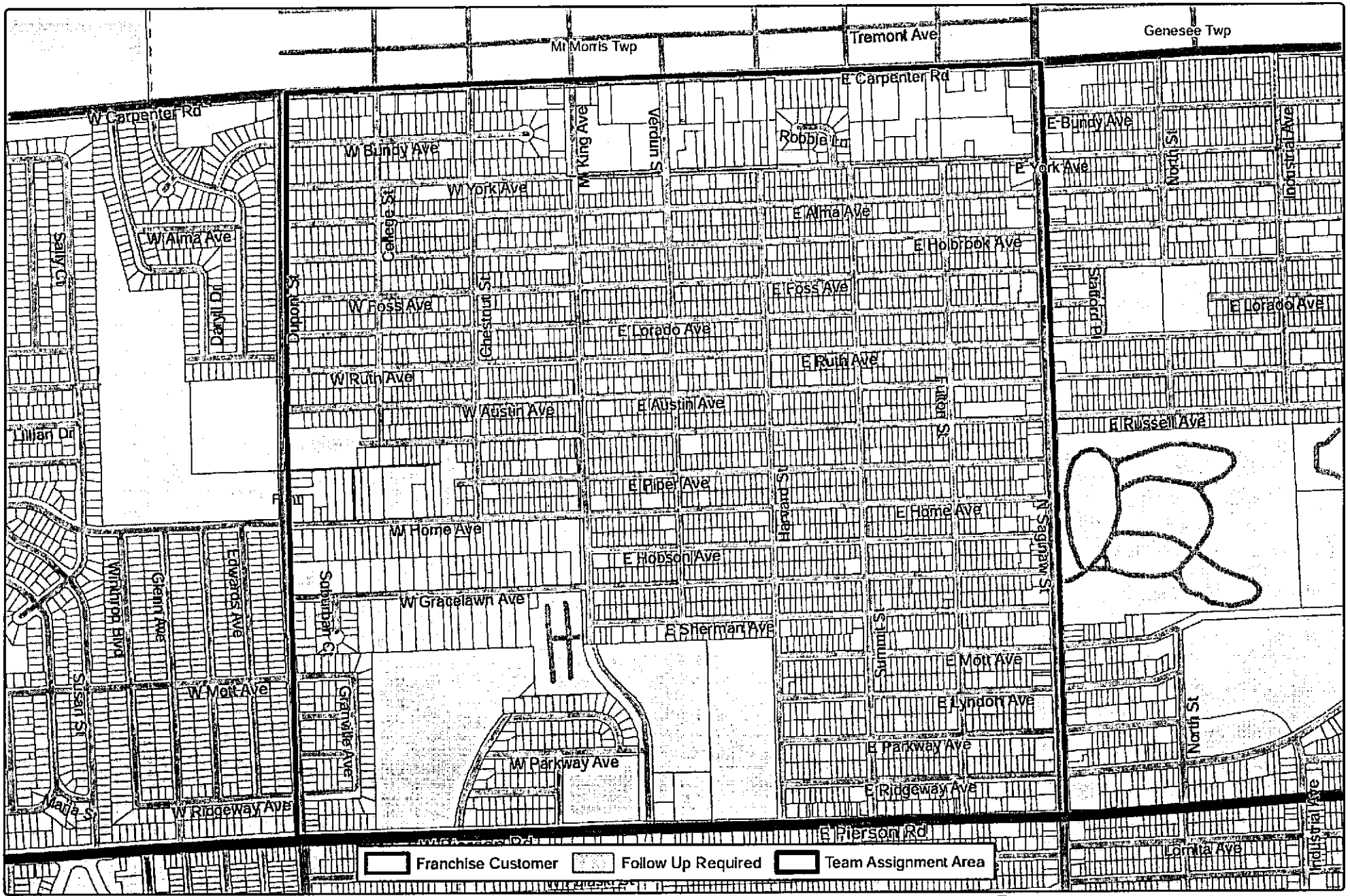
Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 30

(Flint Water Response Team Activity as of February 12, 2016)



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Author:msp-seocgis@michigan.gov, (A111)
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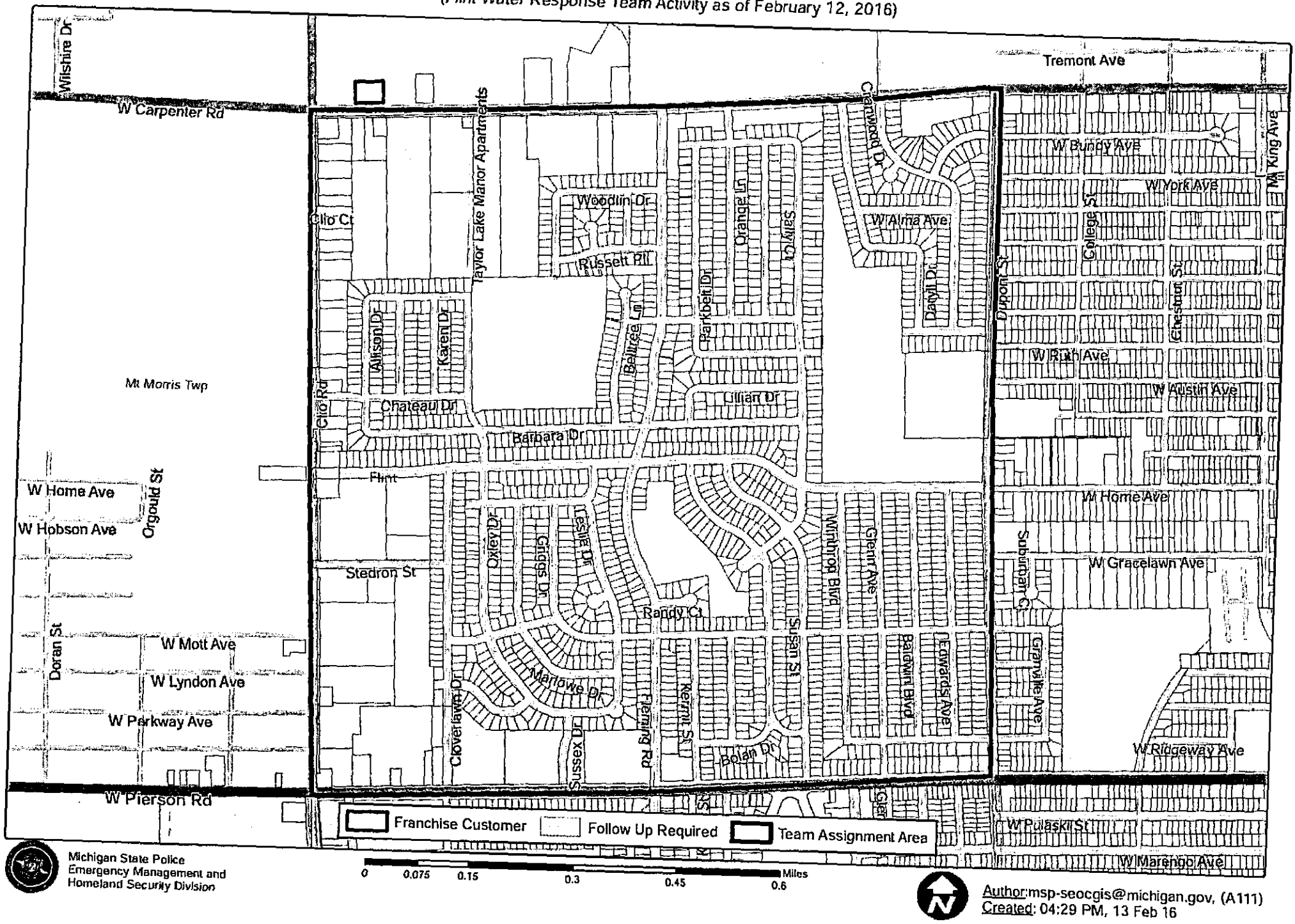
Team Assignment Area 31

(Flint Water Response Team Activity as of February 12, 2016)



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Author:msp-seocgis@michigan.gov, (A111)
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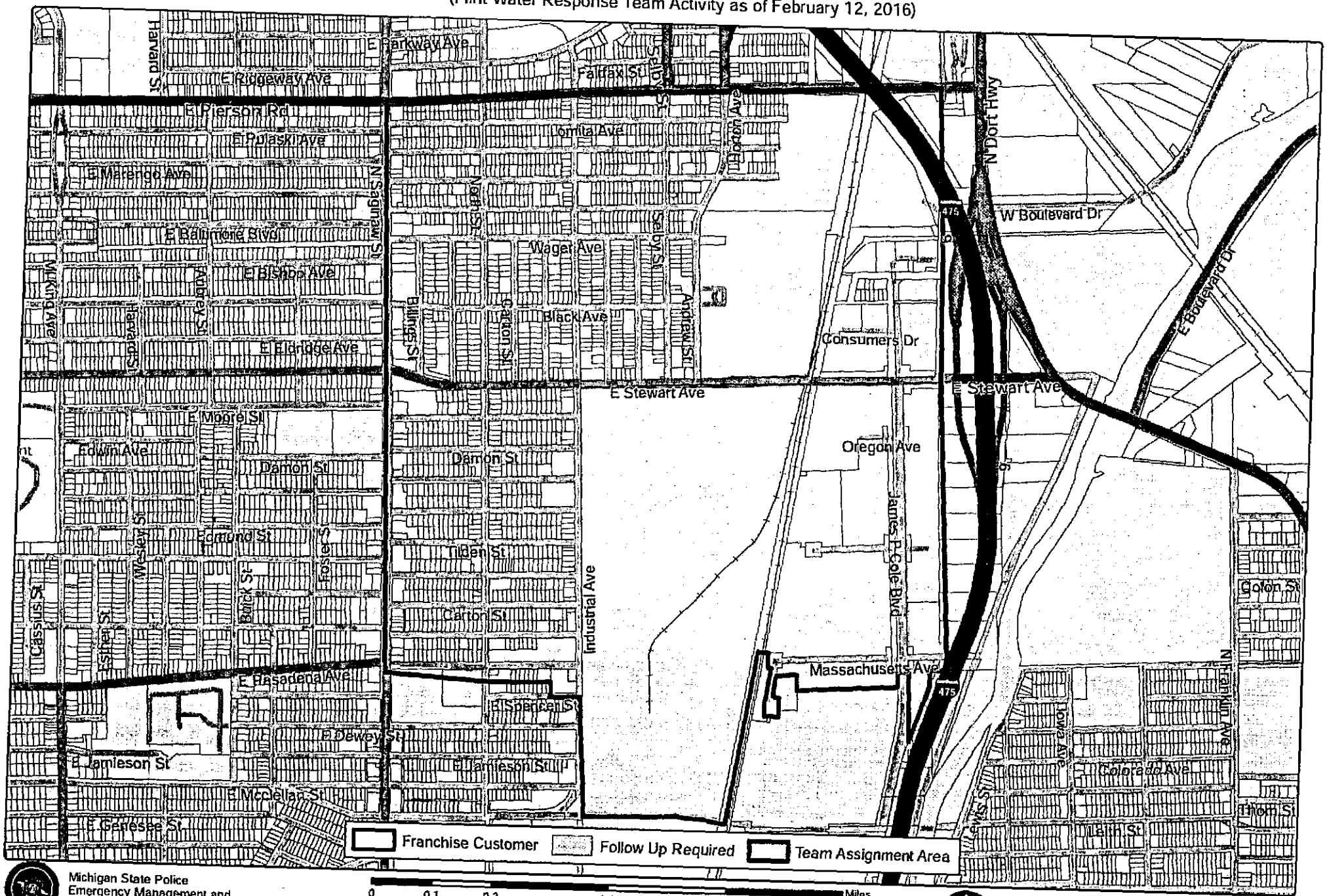
Team Assignment Area 32

(Flint Water Response Team Activity as of February 12, 2016)

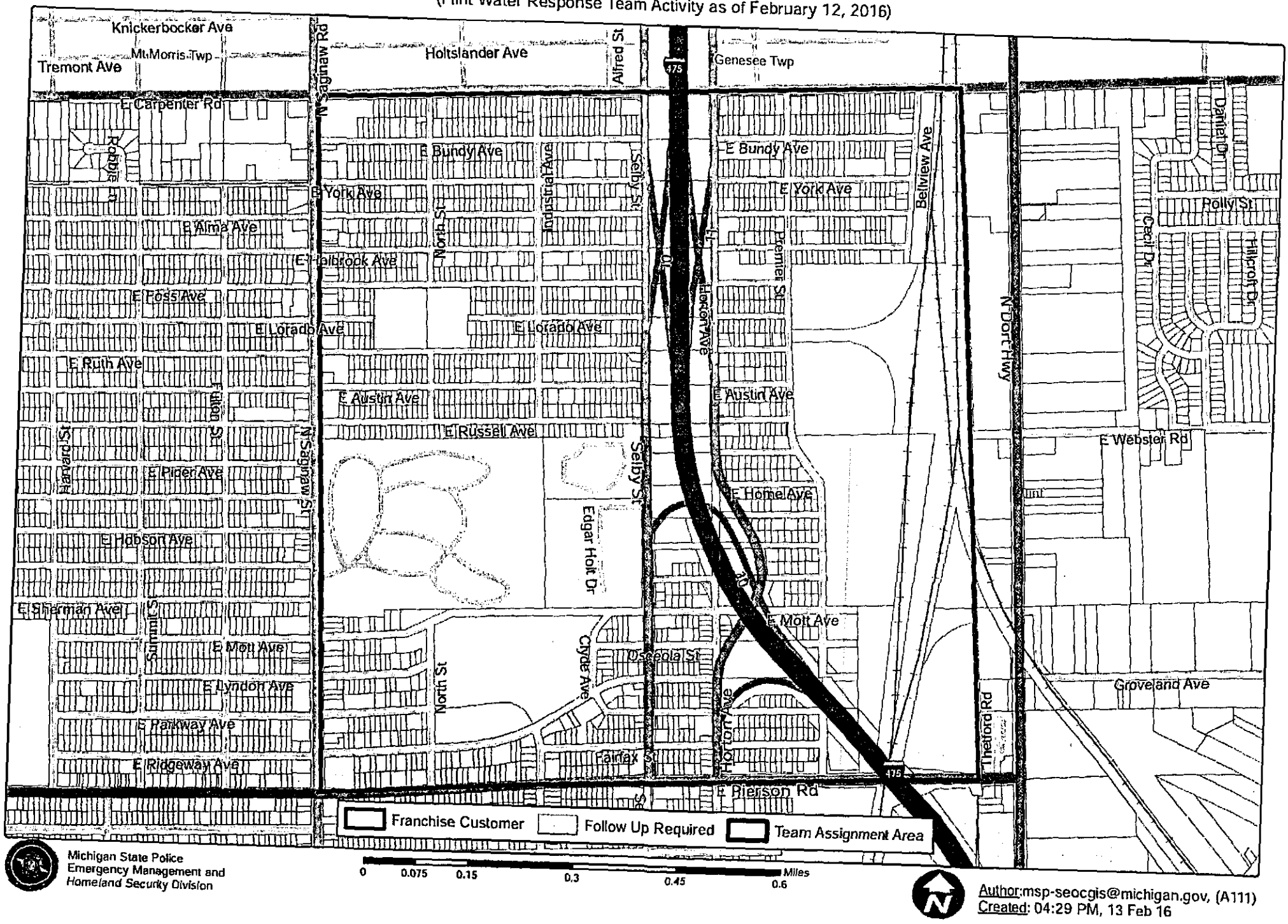


Michigan State Police
Emergency Management and
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 33

(Flint Water Response Team Activity as of February 12, 2016)

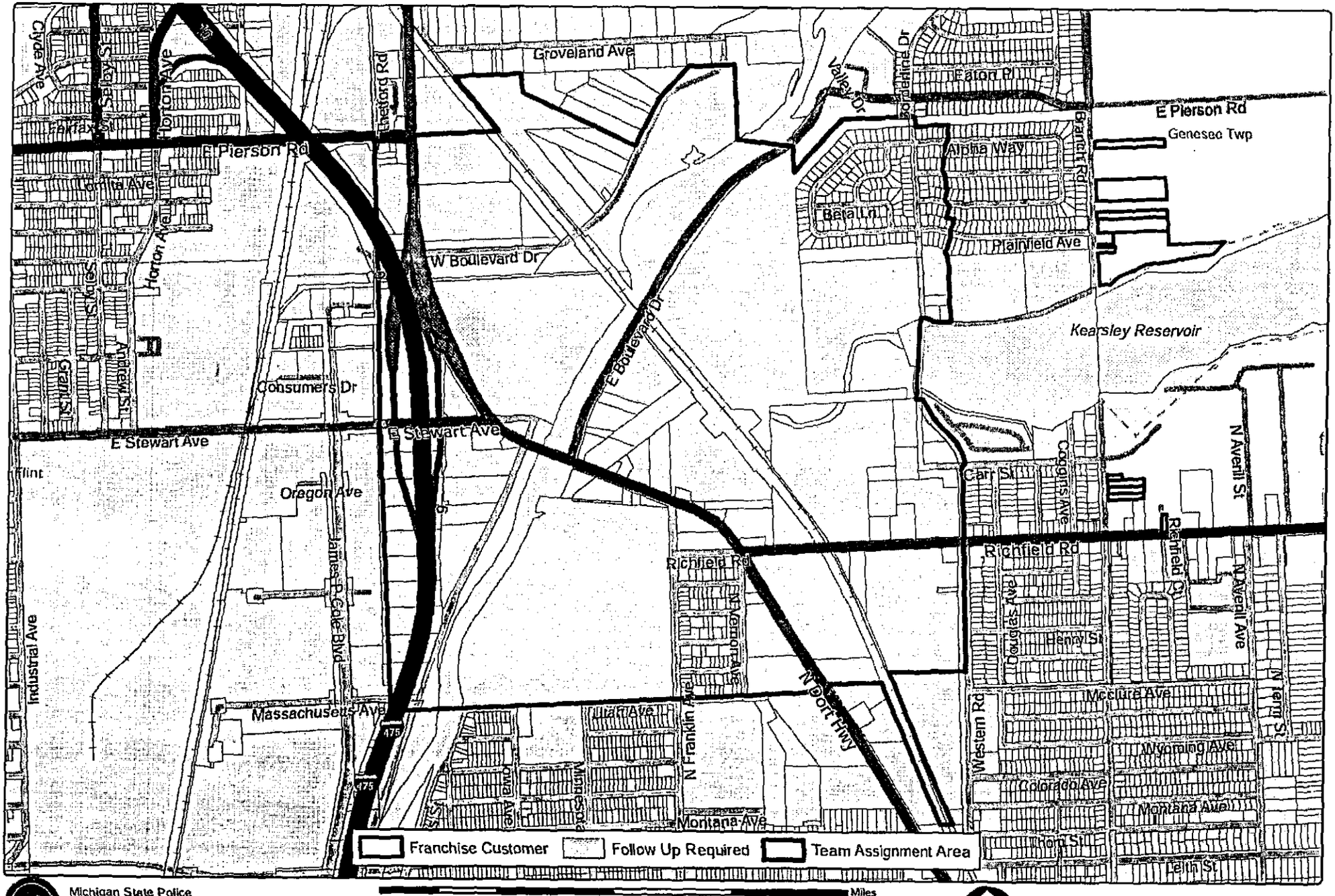


Michigan State Police
Emergency Management and
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 34

(Flint Water Response Team Activity as of February 12, 2016)

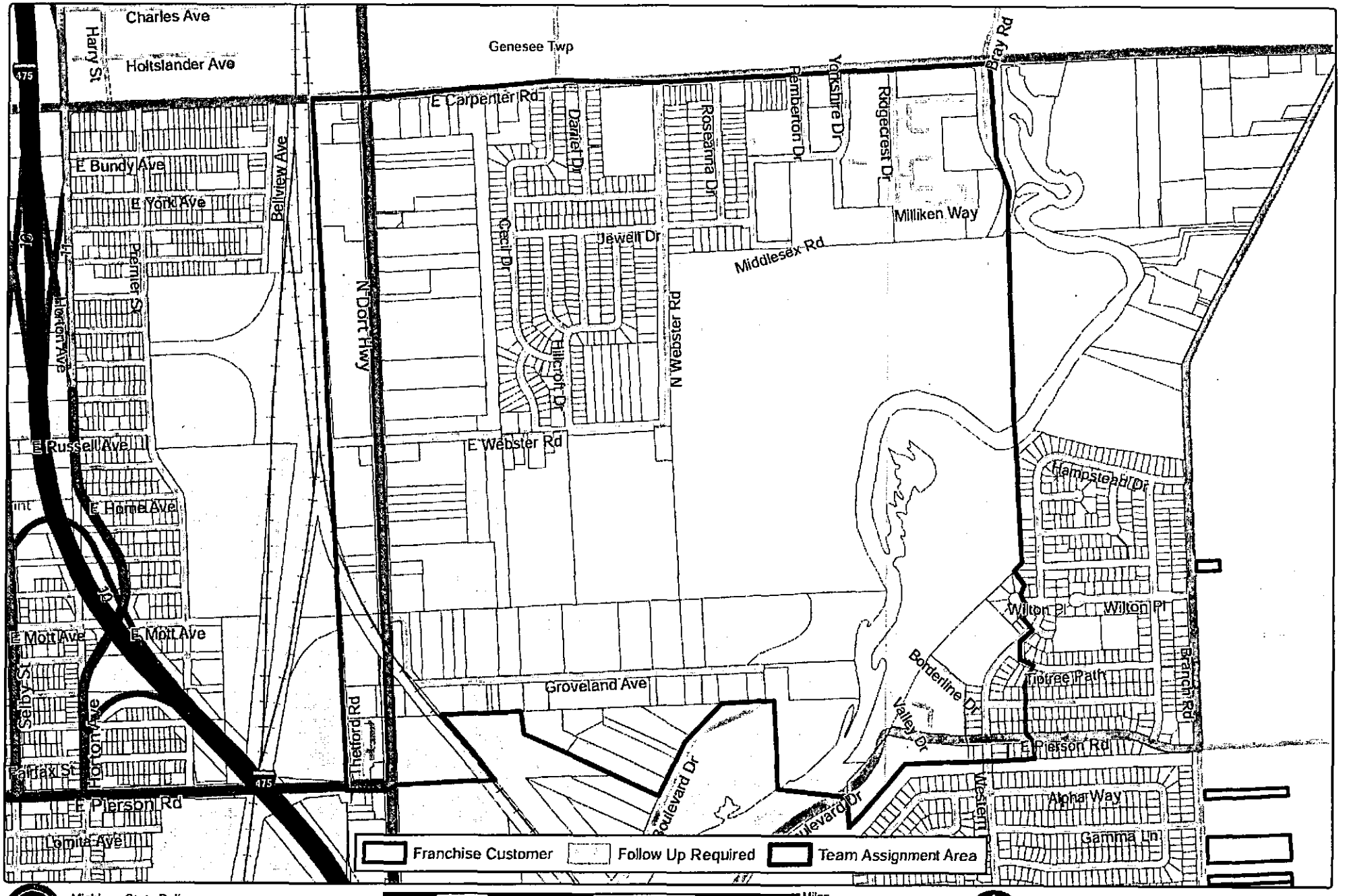


Michigan State Police
Emergency Management and Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 35

(Flint Water Response Team Activity as of February 12, 2016)



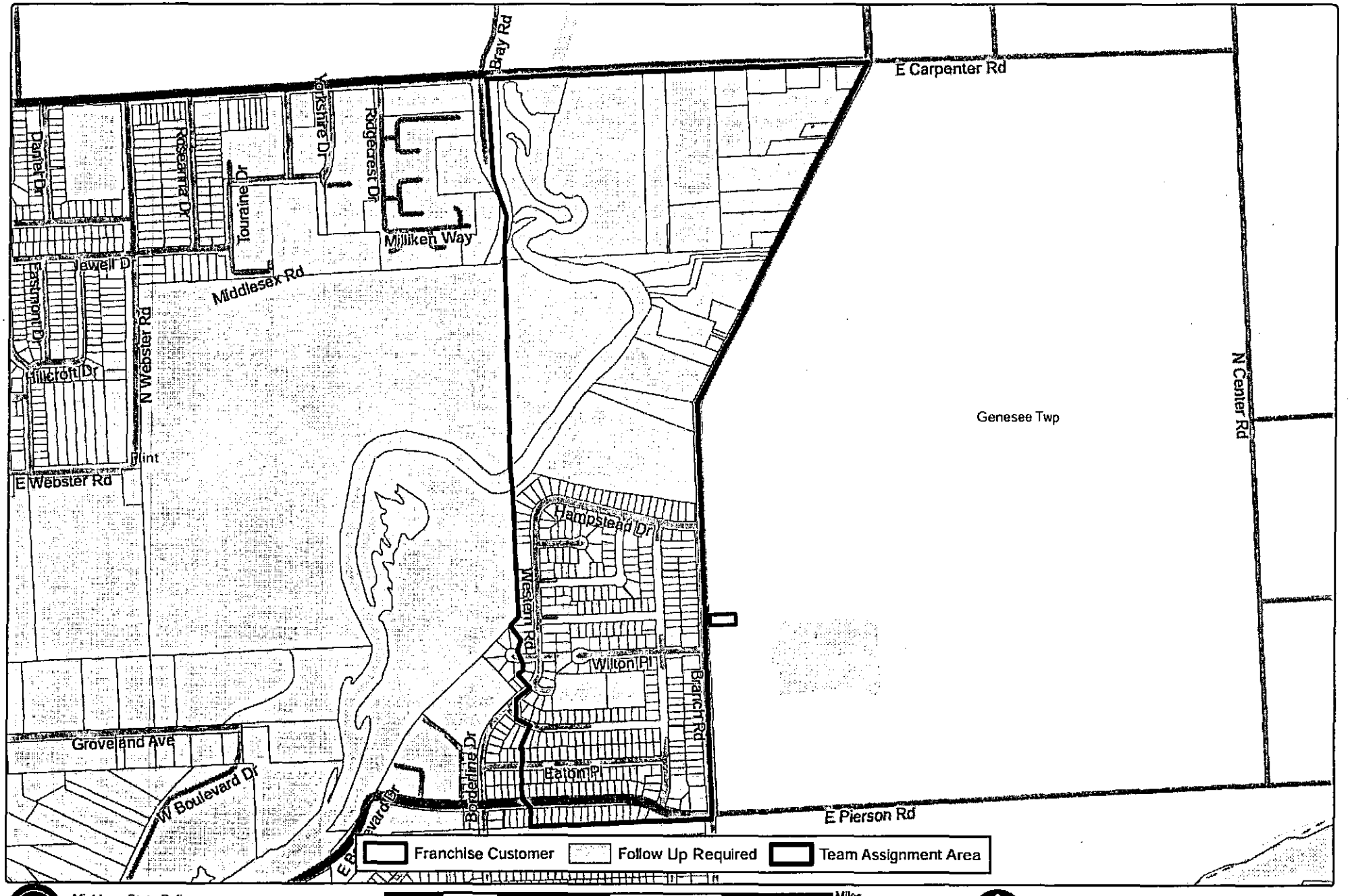
Michigan State Police
Emergency Management and
Homeland Security Division

0 0.075 0.15 0.3 0.45 0.6 Miles

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 36

(Flint Water Response Team Activity as of February 12, 2016)

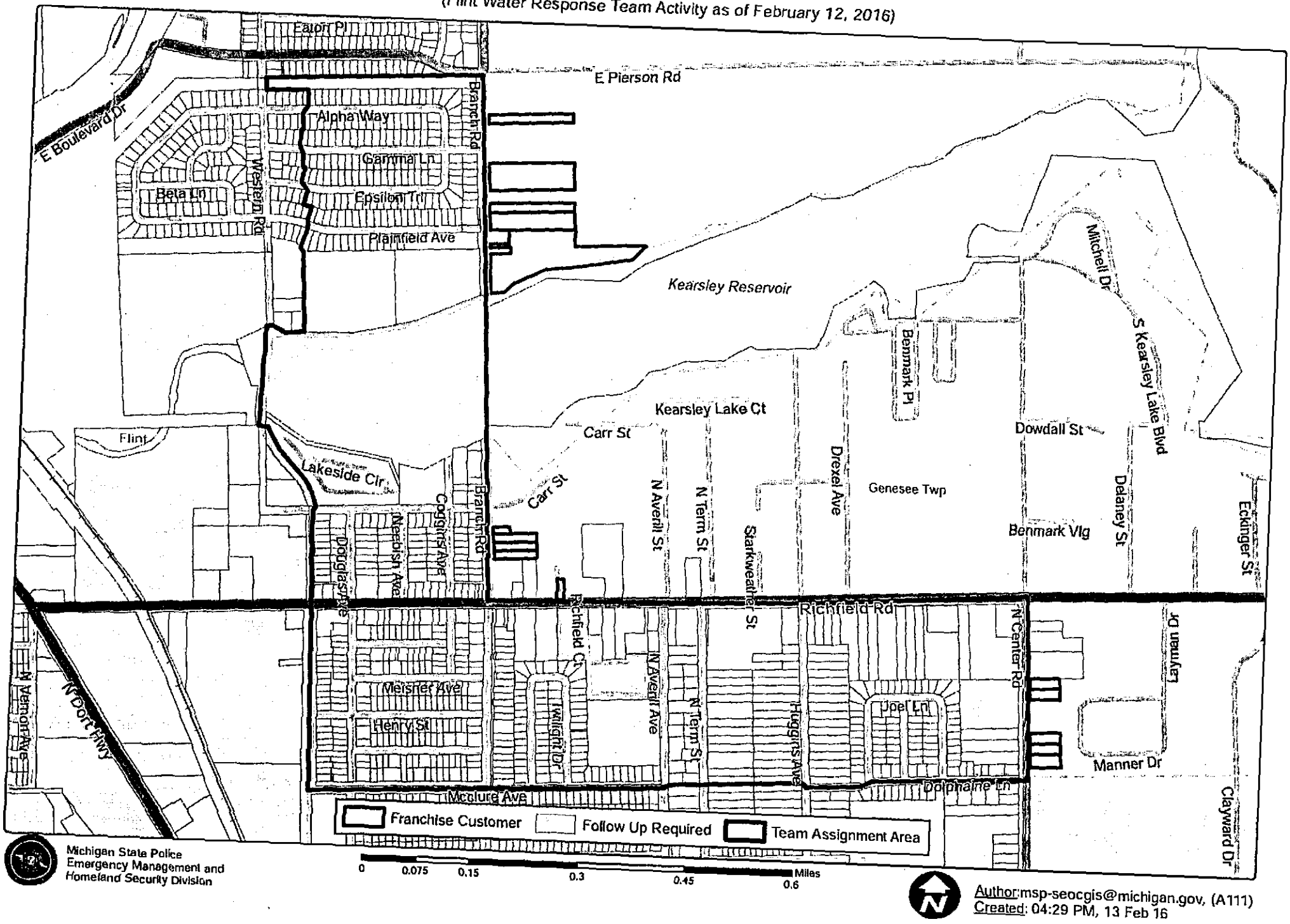


Michigan State Police
Emergency Management and
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 37

(Flint Water Response Team Activity as of February 12, 2016)

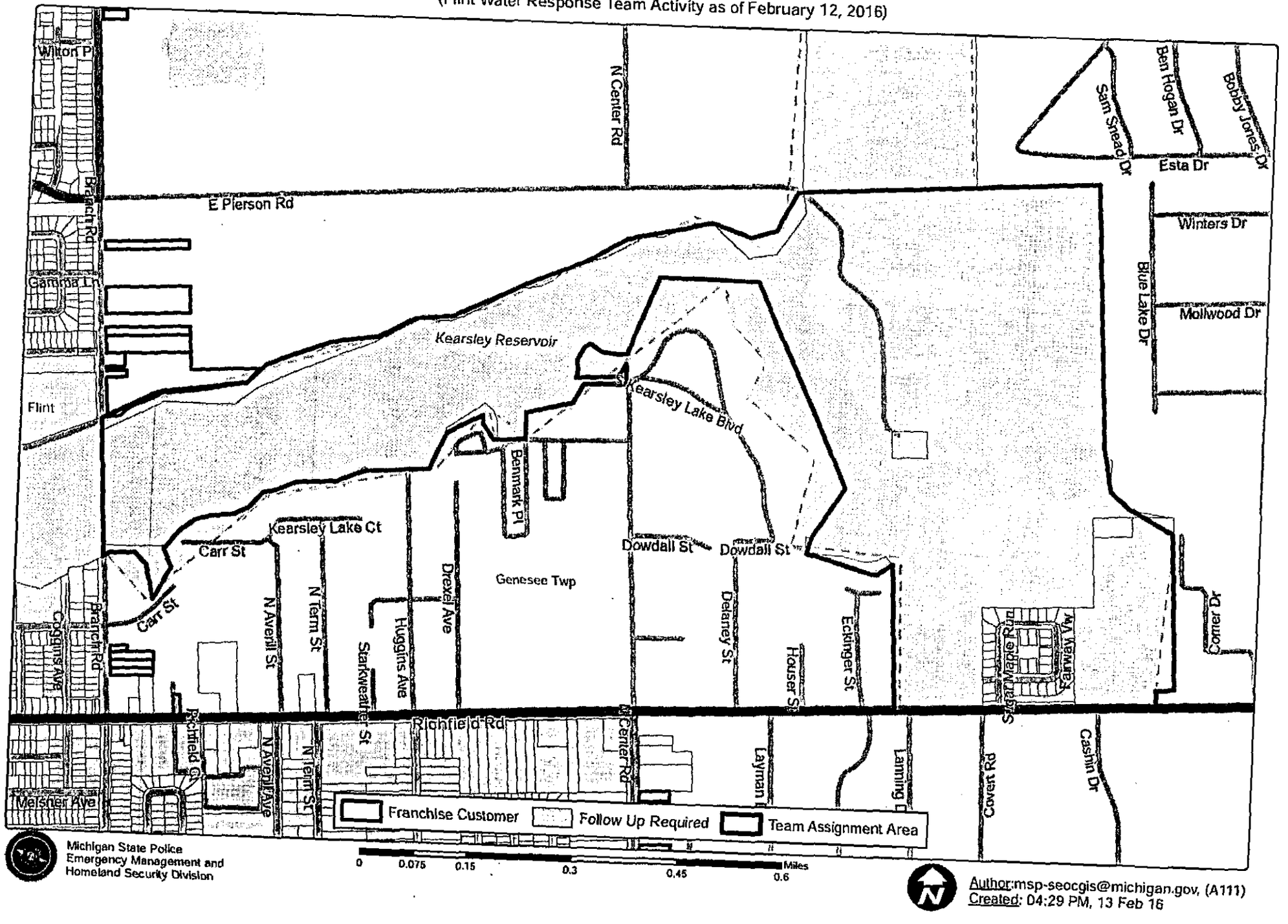


Michigan State Police
Emergency Management and
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Team Assignment Area 38

(Flint Water Response Team Activity as of February 12, 2016)



Michigan State Police
Emergency Management and
Homeland Security Division

Author:msp-seocgis@michigan.gov, (A111)
Created: 04:29 PM, 13 Feb 16

Transition:

Purpose: Plan for the transition of Local Emergency Operations Center (EOC) Operations, Logistics, and Planning Section Chiefs. The county Emergency Management Coordinator will assume the responsibility of staffing the three section chief positions through either mutual aid or county employees.

Transition Timeline: County officials should have personnel lined up to begin the transition on Wednesday, February 17, 2016. The incoming members will have three days to assume control and absorb all job duties. State staff will be off-site close of business Friday, February 19, 2016.

Execution: Incoming Operations, Logistics, and Planning Section Chiefs would be under the command of the Incident Commander.

Operational Period: Local EOC hours are dictated by the operational hours of the points of distributions (PODs). The Incident Commander will adjust the EOC hours as deemed appropriate. The incident commander will also dictate what the length of the operational period.

Positions: A minimum of three people are needed to staff the Logistics, Operations, and Planning Section Chiefs in the EOC. County government has already assigned a Sheriff's office Deputy to the Joint Information Center (JIC). Job training will be given during the transition period.

- *Local resources have identified two sheriff department employees that can be utilized for the response. One has already been assigned to the JIC. The second is yet to be assigned and duties are yet to be assigned. These positions are only available Monday to Friday, 8:00am to 5:00pm. Additional personnel will be needed beyond these pre-identified or existing personnel.*

Job Functions:

- Planning:
  - Complete all forms necessary to complete an Incident Action Plan (IAP) for each operational period.
  - Specific instructions for special projects are available.
  - This position functions at the beginning of the hours of operation till the completion of the daily situation report.
- Logistics:
  - Complete and submit Rapid Response requests to the warehouse to be filled.
  - Assist in the securing and mobilization of resources for operations.
  - Specific instructions for special projects are available.
  - This position functions at the beginning of the hours of operation and is completed at the end of the hours of operation or as the call volume stops and all daily tasks are completed.

- Operations:
    - Work with the Incident Commander on tactical mission assignments for teams canvasing the area.
    - This position functions at the beginning of the hours of operation till the end of the operational period.

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Flint Water Response Team Plan
Saturday, 02.13.16

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
HH	Household
LEOC	Local Emergency Operations Center

Key Leaders

ARC OIC	Diane Fodness		Diane.fodness@redcross.org

Plan

Agency	Team Types	Mission
ARC	16 Type V	1600 HH

Resource Status

ARC

Team Type & Quantity	**Type:** Type V **Quantity: 16** (8 ERV + 8 Trucks)				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	8	8		2/13/16	8:00 am
ARC ERV	8	16		2/13/16	8:00 am
ARC ERV Driver	8	8		2/13/16	8:00 am
Team Member	20-32	20-32		2/13/16	8:00 am
Team Transport Vehicle for 2-4 Team Members	8	8		2/13/16	8:00 am
Team Transport Vehicle Driver	8	8		2/13/16	8:00 am
iPads	8	8		2/13/16	8:00 am
Hand Warmers	80	80		2/13/16	8:00 am
Distribution Kit	1600	1600		2/13/16	8:00 am

Execution:

Key Locations

ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Team Assignment – Target Areas
Team Priority – Water deliveries.

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix.

Lunch

Lunch will be provided by the ARC.

Reporting:

Tactics:

1. All WRTs will utilize iPads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if iPads fail, unless specifically directed otherwise by the SEOC.
2. For apartment complexes, use the paper forms to record the contacts you make with residents. For reporting purposes, please report the names of the complex and the number of units per complex that the teams made contact with to the SEOC.

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☐ Business ☒ Church

Date and Time Delivery Needed: 2/13/2016 12:00PM

☐Water ☐Filters

☐Replacement Cartridges ☐PUR ☐ Brita ☐ ZeroWater **Quantity:**

☒Water Test Kits 100 Spanish test kits

☒ Door Hangers ☒Spanish ☐English ☐ Other: **Quantity: 1 Box**

☐Water Test Kit Pick-up

Recipient Name: Juani Olivares

Recipient Phone Number:

Address:1509 E Court St, Flint, MI 48503

Origin of the Request:SEOC

Requestor Point of Contact: Tom

Requestor Phone Number:

Date and Time of Request: 2/13/2016 5:20p

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password: l

SEOC Staffing - Flint Water Issue

Feb-16	Mon, 2/15	Tues, 2/16	Wed, 2/17	Thurs, 2/18
State Director	Captain	Captain	Captain	Captain
Deputy State Director	Tony	Gabe	Tony	Tony
PIO				
SEOC JIC Liaison		F/Lt. Kevin Sweeney	F/Lt. Kevin Sweeney	F/Lt Kyle Bowman
JIC Manager	Shannon Banner (on-call)	Insp. Matt Bolger	Shanon Banner	Insp. Matt Bolger (noon)
Graphics/Web support				
Operations	Ken (8-2)/Jackie (2-8)	Ken (8-4)/Kim (4-8)	Kim (8-4)/Gabe (4-8)	Jackie (8-2)/Gabe (2-8)
Recovery				
Logistics	Tonya (8-4:30)/Kristi (3-8)	Tonya/Kristi (am)/Cindy (pm)	Tonya/Kristi (am)/Cindy (pm)	Tonya (am)/ Wendy (pm)
Supply	Jane (8-8)	Mary K (8-2) Jane (2-8)	Jane (8-2) Pam (2-8)	Jane (8-2) Mary K (2-8)
Food	Michelle/Joyce/Diane	Michelle/Joyce/Diane	Michelle/Joyce/Diane	Michelle/Joyce/Diane
Facilities/Comms	Jaclyn	Law	Jaclyn	Law
Planning	Sam & Amanda	Kari (am)/Amanda (pm)	Kari (am)/Joel (pm)	Carol (am)/Matt (pm)
Resources	Nick	Mitch & Nick (am) Sam (pm)	Nick (am)/Gary (pm)	Mitch (am)/Gary (pm)
Documentation	Zach	Daniele (am)/June (pm)	June (am)Mike (pm)	Raquel (am)/ Carol (pm)
Situation	Zach	Daniele (am)/June (pm)	June (am)/Mike (pm)	Raquel (am)/Carol (pm)
Mapping	Jim	Jim	Jim	Jim
VAL	Tom	Tom	Tom	Tom
Finance	Nancy 8 am - 8 pm	Penny 8 am - 2 pm Kevin 2 pm - 8 pm	Richard 8 am - 2 pm Nancy 2 pm - 8 pm	Kevin 8 am - 2 pm Penny 2 pm - 8 pm
Local EOC support Staff				
Planning Section Chief	Henrik	Henrik	Henrik	Henrik
Logistics Section Chief	Shasta	Shasta (primary), Jay may be avaliable	Jay	Jay
Operations Section Chief				
District Coordinator	Roach	Roach	Roach	Roach

Wendy is on AL 2/10-18

Fri, 2/19	Sat, 2/20	Sun, 2/21
Captain		
Gabe	Johnson	Tony
F/Lt. Kyle Bowman		
Insp. Matt Bolger		
Kim (8-2)/Jackie (2-8)	Jackie (8-2)/Kim (2-8)	Jackie (8-8)
Wendy (8-8)	Wendy (8-2)/Cindy(2-8)	Cindy (8-2) /Wendy (2-8)
Pam (8-2) Jane (2-8)	Pam (8-8)	Mary K (8-8)
Michelle/Joyce/Diane	Michelle/Joyce/Diane	Michelle/Joyce/Diane
Jaclyn	Law	Jaclyn
Carol (am)/Amanda (pm)	Amanda	Carol
Nick (am) Sam (pm)	Sam	Nick
Mike (am)/Zach (pm)	June	Zach
Mike (am)/Zach (pm)	June	Zach
Jim	Walter	Walter
Tom		
Penny 8 am - 2 pm Richard 2 pm - 8 pm	Richard 8 am - 8 pm	Penny 8 am - 8 pm
Henrik		
Jay		
Roach	Roach (remote)	Roach (remote)

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☒ Business ☐ Church

Date and Time Delivery Needed: 2/15/2016 8:00am-4:00pm

☐Water ☐Filters

☒Replacement Cartridges ☒PUR ☒ Brita ☐ ZeroWater **Quantity:** 180 of each

☐Water Test Kits

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: River Village Apts

Recipient Phone Number:

Address:702 Father Dukette

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number

Date and Time of Request: Click here to enter a date.

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Password:

Date and Time Entered on the iPad: Click here to enter a date.

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Password: Flint

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☒ Business ☐ Church

Date and Time Delivery Needed: 2/13/2016 9:00am - 12:00pm

☒Water 10pallets of the gallon jugs of water (bottles for babies) ☐ Filters

☐Replacement Cartridges ☐PUR ☐ Brita ☐ ZeroWater **Quantity:**

☒Water Test Kits 100

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Paul Donnley, All State Enterprise

Recipient Phone Number:

Address:4128 West Pierson, Flint

Origin of the Request:EOC

Requestor Point of Contact: Lt. Russo

Requestor Phone Number:

Date and Time of Request: 2/12/2016 4:00pm

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Password

Date and Time Entered on the iPad: Click here to enter a date.

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Summary Account Listing

Friday, January 08, 2016

Location ID / Account Number	Cycle / Parcel Number / Status	Route/Book / Service Address / Customer Name	Class	Balance
0000-01	3			$534.78
0000-01	0 3			$0.00
0000-01	2			$323.72
0000-01	1		QTRLY	$129.60
0000-01	0			$247.62
0000-01	2			$84.76
0000-01	3			$701.84
0000-01	8			$417.68
0000-01	5		QTRLY	$1155.31
0000-01	7		QTRLY	$240.94
0000-01	6		QTRLY	$95.97
0000-01	6			$51.13
0000-01	7			$84.76
0000-01	5			$216.70
0000-01	1		QTRLY	$84.76

Location ID / Account Number	Cycle / Parcel Number / Status	Route/Book / Service Address / Customer Name	Class	Balance
	Active			
0000-01	4			-$6.31
0000-01	9			$158.42
0000-02	9 d			$0.00
0000-01	8			$84.76
0000-01	3		QTRLY	$200.41
0000-01	7			$62.34
0000-01	5			$107.18
0000-01	1 d			$0.00
0000-01	1			$0.00
0000-01	5			$35.17
0000-01	5			$396.86
0000-01	4			$451.62
0000-01	3 d			$0.00
0000-01	6			$388.24
0000-01	4 ance Due			$6697.83
0000-01				$0.00

Location ID / Account Number	Cycle / Parcel Number / Status	Route/Book / Service Address / Customer Na	Class	Balance
0000-01				$1527.69
0000-01				$0.00
0000-01				$127.87
0000-01				$84.76
0000-01			QTRLY	$0.00
0000-01				$318.89
0000-01				$0.00
0000-01				$179.17
0000-01			ST CHURCH	$0.00
0000-01				$62.34
0000-01			QTRLY	$118.39
0000-01				$73.55
0000-01				$46.83
0000-01			QTRLY	$106.59
0000-01				$70.00

Location ID / Account Number	Cycle / Parcel Number / Status	Route/Book / Service Address / Customer Name	Class	Balance
0000-01	10			$91.02
0000-01	32		QTRLY	$0.00
0000-01	1			$84.76
0000-01	11		QTRLY	$11.21
0000-01	2			$165.67
0000-01	0		QTRLY	$106.48
0000-01	3		QTRLY	$84.76
0000-01	9			$129.60
0000-01	4			$118.39
0000-01	5		QTRLY	$0.00
0000-01				$84.76
0000-01				$115.64
0000-01	3			$73.55
0000-01				$51.13
0000-01				$0.00
0000-01				$212.74

Location ID / Account Number	Cycle / Parcel Number / Status	Route/Book / Service Address / Customer Name	Class	Balance
	Active		Y	
0000-01				$107.18
0000-01				$0.00
0000-01				$0.00

Total Accounts: 65 **Total Balance: $17099.06**

Report Generated: 1/8/2016 11:27 AM
Advanced Filter: Account.user3Field = 'FRANCHISE'

EQUIPO DE RESPUESTA

Por favor visite nuestra página comprensiva de recursos
www.michigan.gov/flintwater

CENTRO DE RECURSOS DE AGUA

Estación de Bomberos #1
310 East 5th St.
Flint, MI 48502

Estación de Bomberos #3
1525 Martin Luther King Ave.
Flint, MI 48503

Estación de Bomberos #5
3402 Western Rd.
Flint, MI 48506

Estación de Bomberos #6
716 West Pierson Rd.
Flint, MI 48505

Estación de Bomberos #8
202 East Atherton Rd.
Flint, MI 48507

ABIERTO DIARIAMENTE 9 AM - 9 PM

SERVICIOS MÉDICOS

Para pruebas o información médica
póngase en contacto con su proveedor
de atención primaria
o marque **211**

MARQUE 211

EQUIPO DE RESPUESTA DEL AGUA DE FLINT

NUTRICIÓN

¿Sabía usted que algunos alimentos no permiten que el plomo sea absorbido por el cuerpo de un niño? Estos son los alimentos con mucho calcio, vitamina C y hierro.

PRUEBA DE AGUA GRATUITO

Residentes de Flint que están preocupados por su agua pueden obtener kits de prueba de agua gratis en los sitios de recursos.

UTILICE LOS FILTROS DE AGUA Y CARTUCHOS

Los filtros de agua pueden reducir el plomo y otros contaminantes en un 99 por ciento cuando se instalan correctamente. Filtros de agua gratuitos están disponibles en los sitios de los recursos de agua.

PARA ASISTENCIA INMEDIATA

MARQUE 211

(24/7/365)

GENESEE COUNTY DRAIN COMMISSIONER

Parcel Report - Detailed

Sort Order : Location Address

Limited to :

Code Filters :

Service and Rate code: FWATER-C 07BNWM AND Service 1/1/0001
FWATER-C 07BNWQ AND Service 1/1/0001
FWATER-C 07CPWM AND Service 1/1/0001
FWATER-C 07DRWQ AND Service 1/1/0001

Utility Status: Current

Location No.	Location Address	Account No.	Customer Name	Service Type	Parcel No.
				WM/SM	
				WM/SM	
				WM/SM	
				WM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
			1	WM/SM	
			EMY	WM/SM	
			C	WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
	100		LDINGS LLC	WM/SM	
	600		LDINGS LLC	WM/SM	
				SF	
				WM/SM	
			CE	WM/SM	
			Y	SF	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
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				WM/SM	
				WM/SM	
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				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
			ND BANK AUT	WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
			YCE	WM/SM	
				WM/SM	
			N AGENCY	WM/SM	
			RTON LLC	WM/SM	
			IREMENT LLC	WM/SM	

Location No.	Location Address	Account No.	Customer Name	Service Type	Parcel No.

Count	Total
Distinct Location Numbers:	47
Distinct Account Numbers:	47

Service Type	Total
FWATER-C	47

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ADULT EXPOSURE TO LEAD
FACT SHEET

Where can adults be exposed to lead?

More than 80 percent of exposure to lead among adults is from work. The most common work exposures in Michigan are removal of lead paint, manufacture of brass and bronze fixtures, recycling of lead batteries, and as an instructor or doing maintenance in a firing range.

Adults can also be exposed to lead in tap water from water pipes, and renovation of homes built before 1978 with paint containing lead. The lead found in tap water in homes around Michigan would be from pipes installed before 1986.

- Lead is a heavy metal. The largest use for lead is in storage batteries in cars and other vehicles.
- Brass and bronze used in plumbing faucets may be about 10 percent lead. Lead is commonly used to make bullets.
- Historically, lead compounds were widely used as a pigment in paints, dyes, and ceramic glazes and in caulk, pipes and solder.

Should adults be concerned about exposure to lead?

Adults are at less risk of developing health effects from lead taken by mouth than children. Adult bodies tend to absorb less lead than children's bodies (smaller amounts of lead that is swallowed end up in adult's blood than would end up in children's blood). Adult's bodies remove almost all of the lead that is swallowed, while children's bodies only remove about a third of the lead amount they swallow.

However, health effects could still occur in adults who have had years of exposure. Exposure to lead can contribute to adult health effects such as:

- Essential tremor of their hands[1]
- Small increases in blood pressure, especially in middle-aged or older people[1,2]
- Decreased kidney function[1]
- Changes in sperm and possible difficulty becoming pregnant[1]

People exposed to higher levels of lead, like those measured during occupational exposures, could have other health effects, such as muscle weakness, irritability, difficulty sleeping, inability to concentrate, nerve damage in hands and feet, and anemia[2].

People with health effects should speak to their medical providers. Many of the listed health effects can be caused by things other than lead. If they are from lead, they would more likely be associated with exposure to lead over many years that occurred when the adult was younger.

Should adults get tested for lead?

People concerned about their exposure should speak with their healthcare provider about blood lead testing. If you don't have a primary care doctor, visit the Genesee County Health Department, South McCree Building at 630 S. Saginaw St. Suite 4 in Flint for blood testing and to be enrolled in health insurance.

References

1. National Toxicology Program (NTP). 2012. NTP monograph on health effects of low-level lead. U.S. Department of Health and Human Services, Office of Health Assessment and Translation
2. Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological profile for Lead. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

FLINT WATER RESPONSE TEAM

www.michigan.gov/flintwater

LEAD IN FLINT WATER

GENERAL INFORMATION

- The amount of lead found in some Flint homes' drinking water could affect kids' health.
  - Even small amounts of lead can harm kids' health because they are still growing.
  - Adults are less likely to be harmed by the levels found in the water.
- Filter your drinking water using a National Sanitation Foundation (NSF)-approved filter.
  - You can receive a free a NSF-approved filter if you use City of Flint water.
  - Call 2-1-1 to find out where you can pick up a free water filter.
- Some filters can remove up to 99 percent of the lead in water when used properly. To be sure your filter is removing as much lead as it can, carefully follow the instructions that came with it.
  - Run only cold water through the filter.
  - Change the filter cartridge as often as the instructions say.
- Even after changes to the water system, it may take a while before lead levels in your home's water drop.
- Lead is hard to avoid completely. It can be found in water pipes and brass water faucets, old paint, in dirt, at some job sites, and in metal used for some hobbies.

There are a number of steps you can take to keep yourself and your family healthy. Use the tips below to learn more about how to stay healthy:

LEAD IN WATER

Although your water may be a different color sometimes, it is not caused by lead. It's important to remember:

- You can't see, smell, or taste lead in water.
- Lead won't change the color of your water.
- The only way to know what your home's lead levels are is by having your water tested.

LEAD IN BLOOD

- If your children live in Flint or go to school or childcare in the City of Flint, their blood-lead level should be tested.
- You should contact your doctor about testing.
- Testing is available for free at the Genesee County Health Department. Call 2-1-1 if you need help getting there.
- If you are pregnant or nursing, and you have tested negative for high blood-lead levels, it is safe to breastfeed.
- If you are pregnant or nursing and have tested positive for high blood-lead levels, talk to your doctor about the safety of breastfeeding.

TIPS TO KEEP YOUR HOME SAFE FROM LEAD

WATER FILTERS

- Get your water tested. It's free. Call 2-1-1.
- Use a water filter. Call 2-1-1 for a free filter.
- If you do not have a water filter, use bottled water for drinking and mixing formula.
- Use cold, filtered water for cooking.
- Wash fruits and vegetables with filtered water.
- If you must use unfiltered water, run the water for at least five minutes before you use it. To save time and water in the future, it's a good idea to fill up as many containers as you can once you've run your water for five minutes.

CLEANING

- Wash dishes, bottles and toys with unfiltered soapy water and dry before use.
- It is safe to use unfiltered tap water to mop floors and wipe down countertops.
- It is safe to wash clothes in your washer and dryer.
- Use door mats. Take your shoes off when indoors.
- Vacuuming carpets may pull more lead dust to the surface. Use a non-motorized sweeper to clean carpets.
- Clean windowsills and play areas often with paper towels and soapy water.

FLINT RESPONSE TEAM www.michigan.gov/flintwater

TIPS TO KEEP YOUR HOME SAFE FROM LEAD

IN THE BATHROOM

- Use filtered tap water to brush your kids' teeth.
- Adults can use unfiltered tap water to brush their teeth.
- You can use unfiltered tap water to shower or bathe, but don't let kids drink the water when they play in the tub.
- Studies done by the Centers for Disease Control and Prevention show that parents can continue bathing their children in the tub but bath time should be used for bathing only, rather than allowing children to play in the water for a long time.
- Lead will not cause rashes or other skin problems. However, if levels of chlorine or other cleaners are high in the water, it may cause itchy or dry skin (similar to what can happen when you swim in a pool).

CARING FOR PETS

- Use filtered tap water for your family pets' water bowls.
- You can use unfiltered tap water to bathe your pets.
- If you notice your pet acting differently than normal, contact your vet.

HEALTHY DIET

- Eat foods high in iron, calcium and vitamin C.
- Wash hands with soap and warm water before eating.
- If you need fresh and healthy food, call the WIC office at 810-237-4537, or for SNAP food assistance apply at www.michigan.gov/mibridges or visit your local Michigan Department of Health and Human Services office.

GOOD SOURCES OF IRON INCLUDE:

- Lean red meats, fish, and chicken
- Cereals with added iron
- Dried fruits (raisins, prunes)

GOOD SOURCES OF CALCIUM INCLUDE:

- Milk
- Yogurt
- Cheese
- Green leafy vegetables (spinach, kale, collard greens)

GOOD SOURCES OF VITAMIN C INCLUDE:

- Oranges, orange juice
- Grapefruit, grapefruit juice
- Tomatoes, tomato juice
- Green peppers

LEAD INFO

The Flint water response team is focused on the lead in water crisis. In additon to water, scientists have long been concerned about all sources of lead including lead paint, dust, soil, etc.

LEAD PAINT

- Homes built before 1978 likely have lead paint, both inside and outside.
- Old paint is the most common way that kids are exposed to lead.

DIRT

- If you live in the city, there may be lead in the dirt outside your home.
- Before 1996, gas and the exhaust from cars contained lead. More lead will be found in dirt in busy traffic areas.

DUST

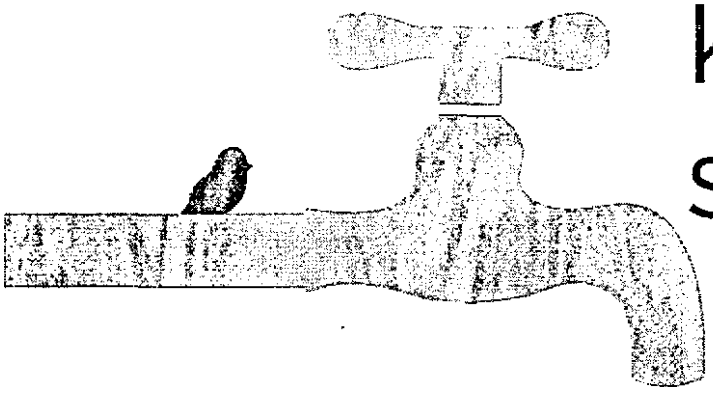
- The dust in your home can have tiny amounts of lead from paint and dirt.

HOBBIES AND JOBS

- Solder, fishing sinkers, bullets, and stained glass framing materials are some items that may contain lead. You could also track home lead dust from your job site.

HAVE QUESTIONS?

- For more information about protecting yourself and your family from lead, visit www.michigan.gov/flintwater.
- To find out where you can get a free water filter, call 2-1-1.
- For a free water test, call 2-1-1.
- For more information about lead in your home and what you can do, call the Michigan Department of Health and Human Services at 1-800-648-6942.
- For information on how to help, visit www.helpforflint.com.



Keep your pet safe from lead

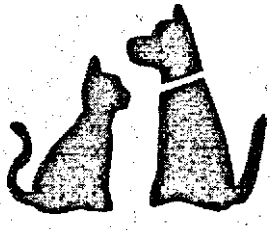
Lead poisoning is a potentially serious condition that calls for veterinary attention.

Things to watch for:

- Vomiting
- Seizures
- Behaviorial changes
- Sleepiness/ fatigue
- Poor appetite
- Weakness
- Extreme anxiety
- Diarrhea
- Blindness
- Belly/stomach ache
- Crying

These changes may develop over time. If animals display any of these signs, please seek veterinary care.

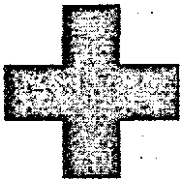
Causes:



Animals can come into contact with lead in a variety of ways:

- Drinking water
- Using improperly glazed ceramic food or water bowls
- Eating or licking paint chips
- Eating lead, like bullets, sinkers and golf balls

Diagnosis and Treatment:



Lead poisoning could be a serious condition.

If you suspect your pet has been exposed to lead, contact a veterinarian to talk about testing and treatment.

Pet safety tips for dealing with water that has lead in it:

- Give your pet bottled or filtered water to drink
- Use bottled or filtered water when making your pet's food
- Keep the toilet seat down! Do not allow pets to drink out of an unflitered water source
- Remember, this applies to all types of animals

Toxicities are reportable to the State Veterinarian's Office. Any veterinarian that suspects or has confirmed a case of toxicity, is to report the case to the Michigan Department of Agriculture and Rural Development by calling 1-800-292-3939.

MICHIGAN STATE UNIVERSITY | Extension

Michigan Department of AGRICULTURE & Rural Development

MICHIGAN STATE UNIVERSITY
College of Veterinary Medicine

City of Flint - Neighborhood Canvas Track

Date:__2/11/16_____ Operational Period:_2/11/16____

Address	Vacant	Door Hanger	Water	Filter	Replacement Cartridge	Pitcher	Water Test Kit	Future Sample Site Y/N
1				X				
2				X				
3				X				
4				X				
5				X				
6				X				
7				X				
8				X				
9				X				
10				X				
11				X				
12				X				
13				X				
14				X				
15				X				
16				X				
17				X				
18				X				
19				X				
20				X				
21				X				
22				X				
23				X				
24				X				
25				X				
26				X				
27				X				
28				X				
29				X				
30				X				
31				X				
32				X				
33				X				
34				X				
35				X				
36				X				
37				X				
38				X				
39				X				

0				X				
1				X				
2				X				
3				X				
4				X				
5				X				
6				X				
7				X				
8				X				
9				X				
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ing Sheet

Team #:_____ Team Lead:____Comcast of Flint_____

Comments
Pur Advanced Filter with Maxion Filter Technology
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Brita Filter
Brita Filter/Test Kit
Brita Filter
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Brita Filter/Test Kit
Test Kit

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GENESEE COUNTY DRAIN COMMISSIONER

Parcel Report - Detailed

Sort Order : Location Address

Limited to :

Code Filters :

Service and Rate code: FWATER-C 07BNWM AND Service 1/1/0001
FWATER-C 07BNWQ AND Service 1/1/0001
FWATER-C 07CPWM AND Service 1/1/0001
FWATER-C 07DRWQ AND Service 1/1/0001

Utility Status: Current

Location No.	Location Address	Account No.	Customer Name	Service Type	Parcel No.
				WM/SM	
				WM/SM	
				WM/SM	
				WM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
			MY	WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
				WM/SM	
		100	DINGS LLC	WM/SM	
		300	DINGS LLC	WM/SM	
				SF	
				WM/SM	
			:E	WM/SM	
				SF	
				WM/SM	
				WM/SM	
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				WM/SM	
			/CE	WM/SM	
				WM/SM	
			AGENCY	WM/SM	
			TON LLC	WM/SM	
		13.000	REMENT LLC	WM/SM	

Location No.	Location Address	Account No.	Customer Name	Service Type	Parcel No.

Count	Total
Distinct Location Numbers:	47
Distinct Account Numbers:	47

Service Type	Total
FWATER-C	47

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Transition:

Purpose: Plan for the transition of Local Emergency Operations Center (EOC) Operations, Logistics, and Planning Section Chiefs. The county Emergency Management Coordinator will assume the responsibility of staffing the three section chief positions through either mutual aid or county employees.

Transition Timeline: County officials should have personnel lined up to begin the transition on Wednesday, February 17, 2016. The incoming members will have three days to assume control and absorb all job duties. State staff will be off-site close of business Friday, February 19, 2016.

Execution: Incoming Operations, Logistics, and Planning Section Chiefs would be under the command of the Incident Commander.

Operational Period: Local EOC hours are dictated by the operational hours of the points of distributions (PODs). The Incident Commander will adjust the EOC hours as deemed appropriate. The incident commander will also dictate what the length of the operational period.

Positions: A minimum of three people are needed to staff the Logistics, Operations, and Planning Section Chiefs in the EOC. County government has already assigned a Sheriff's office Deputy to the Joint Information Center (JIC). Job training will be given during the transition period.

- *Local resources have identified two sheriff department employees that can be utilized for the response. One has already been assigned to the JIC. The second is yet to be assigned and duties are yet to be assigned. These positions are only available Monday to Friday, 8:00am to 5:00pm. Additional personnel will be needed beyond these pre-identified or existing personnel.*

Job Functions:

- Planning:
  - Complete all forms necessary to complete an Incident Action Plan (IAP) for each operational period.
  - Specific instructions for special projects are available.
  - This position functions at the beginning of the hours of operation till the completion of the daily situation report.
- Logistics:
  - Complete and submit Rapid Response requests to the warehouse to be filled.
  - Assist in the securing and mobilization of resources for operations.
  - Specific instructions for special projects are available.
  - This position functions at the beginning of the hours of operation and is completed at the end of the hours of operation or as the call volume stops and all daily tasks are completed.

- Operations:
  - Work with the Incident Commander on tactical mission assignments for teams canvasing the area.
  - This position functions at the beginning of the hours of operation till the end of the operational period.

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FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☐ Business ☒ Church

Date and Time Delivery Needed: 2/12/2016 by 5:00pm

☒Water 10 pallets ☐Filters

☐Replacement Cartridges ☐PUR ☐ Brita ☐ ZeroWater **Quantity:**

☐Water Test Kits

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Mount Vernon AME Church

Recipient Phone Number:

Address:5802 Dupont St, Flint, MI

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number

Date and Time of Request: 2/12/2016 2:00pm

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password:

SEOC Staffing - Flint Water Issue

Feb-16	Sun, 2/14	Mon, 2/15	Tues, 2/16
Local EOC support Staff			
Planning Section Chief	Jay	Henrik	Henrik
Logistics Section Chief	Shasta	Shasta	Shasta (primary), Jay may be avaliable
Operations Section Chief			
District Coordinator	Roach/Russo	Roach	Roach

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Wed, 2/17	Thurs, 2/18	Fri, 2/19	Sat, 2/20	Sun, 2/21
Henrik	Henrik	Henrik		
Jay	Jay	Jay		
Roach	Roach	Roach	Roach (remote)	Roach (remote)

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FLINT WATER
RESPONSE TEAM
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Rapid Response Delivery Request Form

☐ Resident or ☒ Business ☐ Church

Date and Time Delivery Needed: 2/15/2016 10:00am. The city will pick-up

☐Water ☒Filters 25 PUR ☒Replacement Cartridges 100 PUR

☒Water Test Kits 25 ☐ Door Hangers

☐Water Test Kit Pick-up

Recipient Name: City of Burton pick-up

Recipient Phone Number:) (Mayor Zelenko)

Address:City of Burton will pick-up

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/12/2016 10:15am

Delivery Driver ONLY:

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

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FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident or ☒ Business ☐ Church

Date and Time Delivery Needed: 2/4/2016 11:00am

☒Water 4 Pallets ☐Filters ☐Replacement Cartridges

☐Water Test Kits ☐ Door Hangers

☐Water Test Kit Pick-up

Recipient Name: City of Burton. This will be a reguarly occuring pick-up every Monday and Thursday. City of Burton will corrdinate the pick-up of these pallets.

Recipient Phone Number: Mayor Zelenko,

Address:PICK-UP ORDER

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/12/2016 10:10am

Delivery Driver ONLY:

Driver Name:

Date and Time of Delivery: Click here to enter a date.

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FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident or ☒ Business ☐ Church

Date and Time Delivery Needed: 2/4/2016 11:00am

☒Water 4 Pallets ☐Filters ☐Replacement Cartridges

☐Water Test Kits ☐ Door Hangers

☐Water Test Kit Pick-up

Recipient Name: City of Burton. This will be a reguarly occuring pick-up every Monday and Thursday. City of Burton will corrdinate the pick-up of these pallets.

Recipient Phone Number: Mayor Zelenko,

Address:PICK-UP ORDER

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number: [redacted]

Date and Time of Request: 2/12/2016 10:10am

Delivery Driver ONLY:

Driver Name:

Date and Time of Delivery: Click here to enter a date.

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FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☒ Business ☐ Church

Date and Time Delivery Needed: 2/16/2016 10:00am

☒Water 3 pallets of gallon jugs ☐Filters

☐Replacement Cartridges ☒PUR ☐ Brita ☐ ZeroWater **Quantity:**

☐Water Test Kits

☐ Door Hangers ☐Spanish ☐English ☒ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Debra

Recipient Phone Number:

Address:1301 Pingree Ave, Flint

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/12/2016 8:40am

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password: Flint

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☒ Business ☐ Church

Date and Time Delivery Needed: 2/16/2016 9:00am-10:00am

☒Water 3 pallets of gallon jugs ☐Filters

☐Replacement Cartridges ☐PUR ☐ Brita ☐ ZeroWater **Quantity:**

☐Water Test Kits

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: LaToya, Hasselbring

Recipient Phone Number:

Address:1002 W. Home Ave., Flint

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/12/2016 9:00am

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password: Flint

City of Flint - Neighborhood Canvas Tracking Sheet

Date:_____ Operational Period:_____ Team #:_____ Team Lead:_____

Address	Vacant	Door Hanger	Water	Filter	Replacement Cartridge	Pitcher	Water Test Kit	Future Sample Site Y/N	Comments
				X	X				thanks!
				X	X				THANKS So Much. Norma
				X	X				Thanks
				X	X				Bless you
				X	X				Thanks
				X	X		X		Thank You
			X	X	X		X		Thank you.
				X	X				
				X	X				
			X	X	X		X		Many thanks
			X	X	X		X		Thank you very much
				X			X		
				X	X		X		
					X				thank you
				X	X		X		
				X					
			X	X	X				thankyou
			X	X	X				TXS
				X	X				

City of Flint - Neighborhood Canvas Tracking Sheet

Date: _____ Operational Period: _____ Team #: _____ Team Lead: _____

Address	Vacant	Door Hanger	Water	Filter	Replacement Cartridge	Pitcher	Water Test Kit	Future Sample Site Y/N	Comments
				✓					Al Belvie - D will take it
				✓					
				✓					
				✓					
				✓	✓				Howard & [illegible] Likes
				✓	✓				
			✓	✓	✓				
				✓	✓				
				✓	✓				
				✓					
				✓	✓				
				✓	✓				
				✓	✓				
				✓	✓				
				✓	✓				
				✓	✓				

Flint Water Response Team Plan
Friday, 02.12.16

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
HH	Household
LEOC	Local Emergency Operations Center

Key Leaders

ARC OIC	Diane Fodness	Diane.fodness@redcross.org

Plan

Agency	Team Types	Mission
ARC	8 Type V	800 HH

Resource Status

ARC

Team Type & Quantity	**Type:** Type V **Quantity:** 8 (8 ERV)				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	8	8		2/12/16	8:00 am
ARC ERV	8	8		2/12/16	8:00 am
ARC ERV Driver	8	8		2/12/16	8:00 am
Team Member	20-32	20-32		2/12/16	8:00 am
Team Transport Vehicle for 2-4 Team Members	8	8		2/12/16	8:00 am
Team Transport Vehicle Driver	8	8		2/12/16	8:00 am
iPads	8	8		2/12/16	8:00 am
Hand Warmers	40	40		2/12/16	8:00 am
Distribution Kit	800	800		2/12/16	8:00 am

Execution:

Key Locations

ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Team Assignment – Target Areas
Team Priority – Water deliveries.

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix.

Lunch

Lunch will be provided by the ARC.

Reporting:

Tactics:

1. All WRTs will utilize iPads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if iPads fail, unless specifically directed otherwise by the SEOC.
2. For apartment complexes, use the paper forms to record the contacts you make with residents. For reporting purposes, please report the names of the complex and the number of units per complex that the teams made contact with to the SEOC.

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☒ Business ☐ Church

Date and Time Delivery Needed: 2/12/2016 9:00am-12:00pm

Requested Material: One pallet of clear recycling bags, and the remaining blue recycling bags left on the pallet.

Recipient Name: American Red Cross

Recipient Phone Number: [redacted]

Address:1401 South Grand Traverse, Flint, MI

Origin of the Request: EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/11/2016 5:00pm

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password:

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☐ Business ☒ Church

Date and Time Delivery Needed: 2/11/2016 8:00a-4:00pm

☐Water ☒Filters

☐Replacement Cartridges ☐PUR ☐ Brita ☐ ZeroWater **Quantity:**

☒Water Test Kits 250

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Catholic Charities

Recipient Phone Number: 810-232-9950 ext 118

Address: 517 5th Ave, Flint, MI

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number

Date and Time of Request: 2/11/2016 10:50a

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password:

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☐ Business ☒ Church

Date and Time Delivery Needed: 2/11/2016 8:00a-4:00pm

☐Water ☒Filters

☐Replacement Cartridges ☐PUR ☐ Brita ☐ ZeroWater **Quantity:**

☒Water Test Kits 250

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Catholic Charities

Recipient Phone Number: 810-232-9950 ext 118

Address: 517 5th Ave, Flint, MI

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number: [redacted]

Date and Time of Request: 2/11/2016 10:50a

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password: Flint

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☒ Resident or ☐ Business

Date and Time Delivery Needed: 2/11/2016 by 4:30pm

☒Water 5 pallets ☐Filters ☐Replacement Cartridges

☐Water Test Kits ☐ Door Hangers

Recipient Name: Pastor Williams

Recipient Phone Number:

Address:902 Huron Ave, Flint, MI

Origin of the Request:EOC

Requestor Point of Contact: J Eickholt

Requestor Phone Number:

Date and Time of Request: 2/11/2016 12:45p

Delivery Driver ONLY:

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password:

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☒ Business ☐ Church

Date and Time Delivery Needed: 2/11/2016 by 4:00pm

☐Water ☒Filters 500 of the Zero Water 23 Cup Pitchers

☒Replacement Cartridges ☐PUR ☐ Brita ☒ ZeroWater **Quantity:** 500

☐Water Test Kits

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Flint Community Schools

Recipient Phone Number:

Address:Flint Schools Warehouse, 3086 Clio Rd, Flint, MI

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/11/2016 12:45pm

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password:

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☒ Business ☐ Church

Date and Time Delivery Needed: 2/15/2016 8:00am - 4:00pm

☐Water ☐Filters

☒Replacement Cartridges ☒PUR ☒ Brita ☐ ZeroWater **Quantity:** 400 of each

☒Water Test Kits 250

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Jodie Ramos, Summerfield Head Start

Recipient Phone Number: [redacted]

Address:1360 Millborn, Flint, MI

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number

Date and Time of Request: 2/11/2016 12:15pm

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Password:

Date and Time Entered on the iPad: Click here to enter a date.

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FLINT WATER
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www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☒ Business ☐ Church

Date and Time Delivery Needed: 2/11/2016 10:00a-11:00a PICK-UP

☐Water ☒Filters 250 of Brita and 250 or PUR Filter systems

☒Replacement Cartridges ☒PUR ☒ Brita ☐ ZeroWater **Quantity:** 250 of each brand

☒Water Test Kits 300

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Randy, Comcast

Recipient Phone Number:

Address:PICK-UP ORDER

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/10/2016 9:05a

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Password:

Date and Time Entered on the iPad: Click here to enter a date.

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TAKING ACTION ON FLINT WATER
www.mi.gov/FlintWater

Schupan recycling
Problem solved.

Recycle.

Do The Right Thing!®

In just three easy steps, you can help keep Flint green by recycling your used water bottles!

Fire Station 1:
310 E 5th St
Flint, MI 48502

Fire Station 5:
3402 Western Rd
Flint, MI 48506

Fire Station 8:
202 E Atherton Rd
Flint, MI 48507

HOW TO RECYCLE

1. When you receive your case of water, you will receive a recyclable bag.
2. Fill the bag with your empty water bottles (cap on).
3. Return the bag when you pick up your next case of water.

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☐ Business ☒ Church

Date and Time Delivery Needed: 2/11/2016 3:00pm- 4:00pm

☒Water 5 pallets ☐Filters

☐Replacement Cartridges ☐PUR ☐ Brita ☐ ZeroWater **Quantity:**

☐Water Test Kits

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Pastor Anderson

Recipient Phone Number: [redacted]

Address:3163 Flushing Rd, Flint, MI

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/11/2016 11:00am

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password:

FLINT WATER
RESPONSE TEAM
www.michigan.gov/flintwater

Rapid Response Delivery Request Form

☐ Resident ☐ Business ☒ Church

Date and Time Delivery Needed: 2/11/2016 8:00a-4:00pm

☐Water ☒Filters

☐Replacement Cartridges ☐PUR ☐ Brita ☐ ZeroWater **Quantity:**

☒Water Test Kits 250

☐ Door Hangers ☐Spanish ☐English ☐ Other: **Quantity:**

☐Water Test Kit Pick-up

Recipient Name: Catholic Charities

Recipient Phone Number: 810-232-9950 ext 118

Address: 517 5th Ave, Flint, MI

Origin of the Request:EOC

Requestor Point of Contact: Jay

Requestor Phone Number:

Date and Time of Request: 2/11/2016 10:50a

Delivery Driver ONLY

Driver Name:

Date and Time of Delivery: Click here to enter a date.

Date and Time Entered on the iPad: Click here to enter a date.

Password:

Pastor Ellison, Harris, and Overton,

Below is a list of churches that have volunteered to be Church Distribution Hubs. I had direct contact with the pastors and their point of contacts. I have also conducted site assessments at their facilities.

It was conveyed to them that this initial plan was a collaborative effort, and may change with input from all parties involved.

It was discussed, and agreed that the HUB churches would network with the surrounding churches, and set up their own agreed upon distribution schedule. It was requested that the HUB church provide a list of churches that are obtaining their water from the HUB church. This list can be sent via email to Lt. Roach at Roachb@michigan.gov.

Hopefully this plan will further assist and augment our initiative of getting water to our residents more efficiently.

Request for Water

At this time the Church HUB point of contact is Lt. Roach . The Church HUB will call and provide the quantity of water, and schedule the delivery time. This should be scheduled at least 24 hours in advance.

Deliveries

The deliveries will be conducted by a Mi DTMB driver, and truck. They have a pallet jack and the capability of moving pallets from their truck to a staging area. If the water needs to be transported to an upper or lower level, there needs to be people to assist off-loading.

Church Distributions

The Church Distribution HUB would be responsible to network with the surrounding churches, and set up a distribution schedule, along with amounts of water needed.

Michigan State Police Points of Contact

Lt. B.J. Roach Roachb@michigan.gov

Lt. Mark A. Russo Russom2@michigan.gov

CHURCH DISTRIBUTION HUBS

NORTH

Foss Avenue Baptist Church
1159 East Foss Avenue
Flint MI
Pastor Flynn
Point of Contact: Jackie Scott

Delivery: 4 pallets starting 2-2-2016 @ 12:30 pm

NORTH WEST

St. Mark Baptist Church
3020 DuPont NE
Flint MI
Pastor Thompson
Point of Contact: Angie George

Delivery: 25 pallets starting 1-29-2016 @ 11:00 am

SOUTH CENTRAL

El-Shaddai Church of God in Christ
920 Walnut
Flint MI
Pastor Steve Hawkins
Point of Contact: Elder Eddie Kennedy

Delivery: 20 pallets starting 1-29-2016 @ 9:00 am

SOUTH EAST

Grace Emmanuel Baptist Church
3502 Lapeer Road
Flint MI
Pastor Jennings
Point of Contact: Glenna Gates

Delivery: 25 pallets starting 1-30-2015 @ 10:00 am

SOUTH

Divine Revelations
902 Huron Street
Flint MI
Pastor Williams

Delivery: 25 pallets starting 1-30-2016 @ 11:00 am

Eickholt, Jay (MSP)

From: Eickholt, Jay (MSP)
Sent: Wednesday, February 10, 2016 9:56 AM
To: FlintWarehouse
Cc: MSP-seoclgc; MSP-SEOC11; MSP-SEOC5
Subject: RE: 2.11.16 Comcast Pick-up
Attachments: 2.11.16 Comcast Pick-up.docx

Please destroy the first Comcast request. They wanted something else.

Jay Eickholt
MSP/EMHSD

O: (517) 284-3982

From: Eickholt, Jay (MSP)
Sent: Wednesday, February 10, 2016 9:08 AM
To: FlintWarehouse
Cc: MSP-seoclgc; MSP-SEOC11; MSP-SEOC5
Subject: 2.11.16 Comcast Pick-up

Eickholt, Jay (MSP)

From:	Eickholt, Jay (MSP)
Sent:	Wednesday, February 10, 2016 9:08 AM
To:	FlintWarehouse
Cc:	MSP-seoclgc; MSP-SEOC11; MSP-SEOC5
Subject:	2.11.16 Comcast Pick-up
Attachments:	2.11.16 Comcast Pick-up.docx

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Eickholt, Jay (MSP)

From: Eickholt, Jay (MSP)
Sent: Wednesday, February 10, 2016 8:27 AM
To: FlintWarehouse
Cc: MSP-seoclgc; MSP-SEOC11; MSP-SEOC5
Subject: 2.14.16 Morning Star Water Delivery
Attachments: 2.14.16 Morning Star.docx

Jay A. Eickholt, PEM
Planning Analyst 12
PLEASE NOTE: Effective February 1, 2016, the State and Local Support Section / Local Planning Unit / Emergency Management and Homeland Security Division is moving. My new contact information will be:

Phone: 517-284-3982

Fax: 517-284-3857

Physical Address:
7150 Harris Drive
Dimondale Michigan 48821

Mailing Address: PO Box #30634, Lansing, MI 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Eickholt, Jay (MSP)

From: Eickholt, Jay (MSP)
Sent: Wednesday, February 10, 2016 8:22 AM
To: Katarsky, Anthony (MSP)
Subject: Update City of Flint Community Center PODs
Attachments: Flint Community Center PODs.docx

See attached for the updated community center PODs evaluation.

Jay A. Eickholt, PEM
Planning Analyst 12
PLEASE NOTE: Effective February 1, 2016, the State and Local Support Section / Local Planning Unit / Emergency Management and Homeland Security Division is moving.
My new contact information will be:

Phone: 517-284-3982

Fax: 517-284-3857

Physical Address:
7150 Harris Drive
Dimondale Michigan 48821

Mailing Address:
PO Box #30634,
Lansing, MI 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Eickholt, Jay (MSP)

From: Eickholt, Jay (MSP)
Sent: Wednesday, February 10, 2016 8:23 AM
To: Diane_MSP cc_Laban (LabanD@michigan.gov) (LabanD@michigan.gov)
Subject: MCCERCC Minutes additions
Attachments: [FR] gowron1@att.net has sent you 'Proposed Information Collection Request; Comment Request; Hazardous Chemical Reporting: The Emergency and Hazardous Chemical Inventory Forms (Tier I and Tier II)'; [FR] gowron1@att.net has sent you 'Information Collection Request Submitted to OMB for Review and Approval; Comment Request; Emergency Planning and Release Notification Requirements (Renewal)'

Here is the info from Ken.

Jay Eickholt
MSP/EMHSD

O: (517) 284-3982

Eickholt, Jay (MSP)

From: MSP-SEOC5
Sent: Tuesday, February 09, 2016 7:13 PM
To: Bolger, Matt (MSP); Shatrau, Bonnie (MDOC); chris devriendt; David Gutierrez; Dehner, Amy (MSP); Diane Fodness; Eickholt, Jay (MSP); FEDERALSEOC; FlintWarehouse; Heintzelman Shasta; Hollaender, Henrik (MSP); Holmes, Virginia (DHHS); Hunter, Janet (DHHS); jason gamble; Katarsky, Anthony (MSP); Kelenske, Chris (MSP); Kish, Thomas (MSP); kristy gallagher; Kuzera, Michelle (MSP); MSP-EOC-MDARD; MSP-EOC-MDCH; MSP-EOC-MDCIVILR; MSP-EOC-MDCORTNS; MSP-EOC-MDEDUCTN; MSP-EOC-MDEQ; MSP-EOC-MDHS; MSP-EOC-MDLARA; MSP-EOC-MDSP; MSP-EOC-MDTMB; MSP-SEOC11; MSP-seocda1; MSP-seocda2; MSP-seocfgc; MSP-seoclgc; MSP-SEOCOPSC; National Guard; paul spata; plangc; Thelen, Richard (DHHS); Veeser, Chad (DHHS); Wolf, Jennifer (DNR)
Subject: Water Response Team plan for 2/10/16
Attachments: Flint Water Response Team Plan for 02.10.16 FINAL.docx

See attached.

Eickholt, Jay (MSP)

From: Heintzelman Shasta
Sent: Tuesday, February 09, 2016 4:36 PM
To: Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Subject: FW: New Phone Numbers for SEOC
Attachments: image003.png; ATT00001.htm; New SEOC phone numbers.xlsx; ATT00002.htm

---

From: Davis, Kristi (MSP)
Sent: Tuesday, February 09, 2016 3:46 PM
To: Heintzelman Shasta
Subject: FW: New Phone Numbers for SEOC

From: Nobach, Tonya (MSP)
Sent: Tuesday, February 09, 2016 3:44 PM
To: Davis, Kristi (MSP)
Subject: Fwd: New Phone Numbers for SEOC

Sent from my iPhone

Begin forwarded message:

> **From:** "Strobel, Pamela (MSP)" <StrobelP1@michigan.gov>
> **Date:** December 21, 2015 at 10:25:38 AM EST
> **To:** "Nobach, Tonya (MSP)" <NobachT@michigan.gov>
> **Cc:** "Hampton, Jacqueline (MSP)" <HamptonJ3@michigan.gov>, "Strobel, Pamela (MSP)" <StrobelP1@michigan.gov>
> **Subject: New Phone Numbers for SEOC**
>
> Tonya,
>
> The attached file has the new numbers for the SEOC.
>
> If you have any questions, please contact me.
>
> Thank you,
> Pam
>
> Pam Strobel
> Administrative Assistant
> Emergency Management
> and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910

TX: (517) 336-2686

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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Eickholt, Jay (MSP)

From: Hollaender, Henrik (MSP)
Sent: Tuesday, February 09, 2016 1:38 PM
To: Heintzelman Shasta
Cc: Eickholt, Jay (MSP)
Subject: Door hanger order
Attachments: doorHangerRecycle (1).pdf

Print order of 5000
Can be delivered to me at the EOC

Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Tuesday, February 09, 2016 1:33 PM
To: revaco@comcast.net; rodneyellison19@yahoo.com; revalharris1@hotmail.com; gdwggrace@gmail.com; pastorreggieflynn@yahoo.com; supthawkins@sbcglobal.net
Cc: Decastro, Michael (MSP); Roach, Billie Jo (MSP); Eickholt, Jay (MSP); Weber, Thomas (MSP)
Subject: Church PODa
Attachments: Church PODa.docx

I did receive a call from our contact at Church Hub St. Marks on Dupont. She was waiting for their weekly delivery of water. We need to communicate to the churches that the interim policy/procedure is for them to call and order water when needed.

Request for Water
At this time the Church HUB point of contact is Lt. Roach The Church HUB will call and provide the quantity of water, and schedule the delivery time. This should be scheduled at least 24 hours in advance.

Until Tom Weber and his team puts into place the long term Church distribution plan,,, we need to get this out to the Churches as a reminder. I will forward the plan to Pastors Ellison, Harris, and Overton for them to disseminate.

Eickholt, Jay (MSP)

From: Laban, Diane (MSP)
Sent: Tuesday, February 09, 2016 10:00 AM
To: Eickholt, Jay (MSP)
Subject: FW: MCCERCC Minutes - October 19
Attachments: MCCERCC_MINUTES_2015_10.19_JE_Pending KEN.docx

Jay.
See email below from November and attached minutes with two highlighted areas as reminders . If Ken can find and send that copy of the *Federal Registry*, then I'll send the minutes to Gail for review with a deadline date of **FEBRUARY 16.** After that, you can send minutes (with Matt and Ken's attachments) and your draft agenda to Council members.
Thanks

From: Laban, Diane (MSP)
Sent: Monday, November 23, 2015 10:47 AM
To: Eickholt, Jay (MSP)
Subject: MCCERCC Minutes - October 19

Hi Jay,
I'm back from vacation and have made your changes to the MCCERCC minutes. Before I send to Gail for her input, I wondered if you had heard from Ken regarding his submission of the *Federal Registry* article. Before you send the final draft minutes to Council members, we just have to remember to send Ken's article and Matt's report with them.

Thanks

Diane E. Laban
Preparedness and Training Section
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, Michigan 48910
TX: (517) 333-2749
FAX: (517) 333-4987

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Eickholt, Jay (MSP)

From: MSP-SEOC5
Sent: Monday, February 08, 2016 7:25 PM
To: Bolger, Matt (MSP); Shatrau, Bonnie (MDOC); chris devriendt; David Gutierrez; Dehner, Amy (MSP); Eickholt, Jay (MSP); FEDERALSEOC; FlintWarehouse; Heintzelman Shasta; Hollaender, Henrik (MSP); Holmes, Virginia (DHHS); Hunter, Janet (DHHS); jason gamble; Katarsky, Anthony (MSP); Kelenske, Chris (MSP); Kish, Thomas (MSP); kristy gallagher; Kuzera, Michelle (MSP); MSP-EOC-MDARD; MSP-EOC-MDCH; MSP-EOC-MDCIVILR; MSP-EOC-MDCORTNS; MSP-EOC-MDEDUCTN; MSP-EOC-MDEQ; MSP-EOC-MDHS; MSP-EOC-MDLARA; MSP-EOC-MDSP; MSP-EOC-MDTMB; MSP-SEOC11; MSP-seocda1; MSP-seocda2; MSP-seocfgc; MSP-seoclgc; MSP-SEOCOPSC; National Guard; paul spata; plangc; Thelen, Richard (DHHS); Veeser, Chad (DHHS); Wolf, Jennifer (DNR)
Subject: FWRT - Tuesday Plan
Attachments: Flint Water Response Team Plan for 02.09.16 FINAL.docx

Attached is the plan for Tuesday, February 9th. As discussed on the 6:30 pm call, we are currently evaluating the team operations going forward. We will continue to provide direction and will advise on any changes.

Thanks,
Recovery Branch

Eickholt, Jay (MSP)

From: Heintzelman Shasta
Sent: Monday, February 08, 2016 3:41 PM
To: FlintWarehouse
Cc: MSP-SEOC11; Eickholt, Jay (MSP)
Subject: Rapid Response Weekly Pickup
Attachments: City of Burton Pick-up 2.10.16.docx; Genesee Twp 2.10.16.docx

These two would like to pick up every Wednesday.

Eickholt, Jay (MSP)

From: Heintzelman Shasta
Sent: Monday, February 08, 2016 3:36 PM
To: Eickholt, Jay (MSP)
Subject: Repeat Wednesdays
Attachments: Genesee Twp.docx

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Eickholt, Jay (MSP)

From: Eickholt, Jay (MSP)
Sent: Monday, February 08, 2016 3:35 PM
To: Eickholt, Jay (MSP); Heintzelman Shasta
Subject: RE: SitRep template
Attachments: 2.1.16 City of Burton Pick-up.docx

From: Eickholt, Jay (MSP)
Sent: Monday, February 08, 2016 3:10 PM
To: Heintzelman Shasta
Subject: FW: SitRep template

From: Hollaender, Henrik (MSP)
Sent: Sunday, February 07, 2016 7:19 PM
To: Eickholt, Jay (MSP)
Subject: SitRep template

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Monday, February 08, 2016 2:08 PM
To: Eickholt, Jay (MSP); Roach, Billie Jo (MSP)
Subject: FW: BRC
Attachments: RE: SBA DLOC in Flint

Importance: High

BJ and Jay,

Please see the email chain below. Basically, we were going to put the SBA in the Kroger store, but they have indicated they would rather be in a location where other organizations are providing assistance. Capt mentioned maybe City Hall and asked that you please work to identify a space locally that works best for all. They want to be here on Wednesday so we have to move fast. It's only for 3 people and attached are the specs of what they would need as well as the email indicating exactly what's needed. They said they could downgrade if need be. Please reach out to them ASAP. Thanks.

Wendy

From: Alexander, Robert P. [mailto:robert.alexander@sba.gov]
Sent: Monday, February 08, 2016 12:39 PM
To: MSP-seoclgc
Subject: RE: BRC

Wendy...thanks for the information.

After speaking with senior field staff here, we had hoped that we could be placed in the location where other organizations are providing assistance to disaster survivors. The SBA's economic injury loan program is for businesses and if SBA is in an isolated location, we are less likely to be able to meet with businesses that have needs that our program may be able to address. We can modify our requirements so that the amount of space we need is minimal, say two tables to set up our computers. Also we have concerns that it would be difficult for us to be in a facility that has the outer door locked as the public we are trying to reach would not be able to gain entry.

If there is not space in the established facility with other agencies, would you mind if I contacted the City of Flint to see if there was another location which we could utilize. We have set up our field office operations in libraries, senior centers, fire stations and emergency management offices. We will only be on site for about two weeks and so being in a facility that businesses generally visit would be very helpful in providing information about our program. So while I appreciate the Kroger location, I am not sure it would allow us the greatest likelihood of providing service to our customers, the businesses in the Flint area that have sustained losses due to the water problem.

Please let me know at your earliest convenience...thanks...bob

---

From: MSP-seoclgc [mailto:MSP-seoclgc@michigan.gov]
Sent: Monday, February 08, 2016 12:08 PM
To: Alexander, Robert P.
Subject: RE: BRC

Hi Bob,

Thanks again for chatting with me. As promised, the location for the old Kroger store, which we call Warehouse #2, is 2629 Pierson Road.

Americas Best Inn, 810-233-9000 - 6075 Hill Drive, Flint
Residence Inn, 810-424-7000 - 2202 West Hill Road, Flint
Hampton Inn, 989-624-2500 - 12130 Tiffany Blvd, Birch Run
Best Western, 989-624-9395 - 9087 Birch Run Road, Birch Run
Holiday Inn Express, 989-624-9300 - 12150 Dixie Hwy, Birch Run

Sorry it took so long. I immediately got off the phone with you and was pulled into another meeting. Hopefully one of these will work for you. We have our own staff staying at each of them. None of these are in the affective area.

Wendy

State Emergency Operations Center
Logistics Section
517-284-3893

From: Alexander, Robert P. [mailto:robert.alexander@sba.gov]
Sent: Monday, February 08, 2016 10:39 AM
To: MSP-seoclgc
Subject: BRC

Wendy...I left you a brief voicemail but wanted to provide my contact information. I was hoping to be able to get a Business Recovery Center set up by this Wednesday if at all possible. If you could give me a call I would appreciate it. thanks...bob

Robert P. Alexander
Loan Closing Coordinator
U. S. Small Business Administration
Office of Disaster Assistance
Field Operations Center East
101 Marietta Street, NW, Suite 700
Atlanta, GA 30303-2725
Robert.Alexander@SBA.Gov
404-331-0333 ext 2107

202-741-6729 fax
The information in this transmittal is privileged and confidential and is intended only for the recipient(s) listed above. If you are not the intended recipient(s) for the delivery of this transmittal, you are hereby notified that any unauthorized distribution or copying of this transmittal is prohibited.

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Monday, February 08, 2016 9:22 AM
To: Eickholt, Jay (MSP); MSP-SEOCOPSC
Subject: RE: Community Center PODs
Attachments: KMBT20020160204163653.pdf

Here ya go, see below and attached.

From: MSP-seoclgc
Sent: Saturday, February 06, 2016 2:18 PM
To: Eickholt, Jay (MSP); Roach, Billie Jo (MSP)
Cc: Kuzera, Michelle (MSP); MSP-SEOCOPSC; MSP-seoclgc
Subject: POD Assessment - Mayor's recommendations

Jay and BJ,

Tony said you were already aware of the attached letter from the Mayor on potential POD sites. I believe he said someone (BJ/National Guard?) already went past these locations and ruled them out as good sites, however, Tony would like a semi-formal assessment done of these locations utilizing the POD training that FEMA provides (link below, starting on page 24). Please complete this assessment by Monday morning at 9:30 a.m. and return to me so that he can formalize a response to the Mayor from Captain Kelenske. Thank you.

https://training.fema.gov/is/courseoverview.aspx?code=IS-26

Wendy

State Emergency Operations Center
Logistics Section
517-284-3893

-----Original Message-----
From: Eickholt, Jay (MSP)
Sent: Monday, February 08, 2016 9:18 AM
To: MSP-SEOCOPSC
Cc: MSP-seoclgc
Subject: Community Center PODs

There was an email yesterday or saturday and I can't find it regarding the community centers being PODs and an attachment on what I should be grading them on for tangible distribution points. Could either of you please re-send it?

I love having to mass purge e-mails for exceeding mailbox size :(

Eickholt, Jay (MSP)

From:	MSP-SEOC5
Sent:	Sunday, February 07, 2016 7:37 PM
To:	Bolger, Matt (MSP); Shatrau, Bonnie (MDOC); chris devriendt; David Gutierrez; Dehner, Amy (MSP); Eickholt, Jay (MSP); FEDERALSEOC; FlintWarehouse; Heintzelman Shasta; Hollaender, Henrik (MSP); Holmes, Virginia (DHHS); Hunter, Janet (DHHS); jason gamble; Katarsky, Anthony (MSP); Kelenske, Chris (MSP); Kish, Thomas (MSP); kristy gallagher; Kuzera, Michelle (MSP); MSP-EOC-MDARD; MSP-EOC-MDCH; MSP-EOC-MDCIVILR; MSP-EOC-MDCORTNS; MSP-EOC-MDEDUCTN; MSP-EOC-MDEQ; MSP-EOC-MDHS; MSP-EOC-MDLARA; MSP-EOC-MDSP; MSP-EOC-MDTMB; MSP-SEOC11; MSP-seocda1; MSP-seocda2; MSP-seocfgc; MSP-seoclgc; MSP-SEOCOPSC; National Guard; paul spata; plangc; Thelen, Richard (DHHS); Veeser, Chad (DHHS); Wolf, Jennifer (DNR)
Subject:	FWRT - Monday Plan
Attachments:	Flint Water Response Team Plan for 02.08.16 FINAL.docx; Vacant Active No Filter 20160207.xlsx

Attached is the plan for Monday. As discussed on the 6:30 pm call, we are currently evaluating the team operations going forward. We will continue to provide direction and will advise on any changes.

Thanks,
Brianna
Recovery Branch

Eickholt, Jay (MSP)

From: Hollaender, Henrik (MSP)
Sent: Sunday, February 07, 2016 7:20 PM
To: Eickholt, Jay (MSP)
Subject: SitRep template
Attachments: DRAFT_gceoc_sitrep27 02-07.docx

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Eickholt, Jay (MSP)

From: Hollaender, Henrik (MSP)
Sent: Sunday, February 07, 2016 6:38 PM
To: MSP-EOC-MDEQ; Schaefer, Scott (DEQ); MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP)
Cc: MSP-EOC-MDCH; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: RE: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration
Attachments: gc eoc_iap_02-08.pdf

All,

Attached please find the County EOC Incident Action Plan for the operational period that is starting tomorrow. The IAP includes an ICS 204 form that outlines the the work assignment for the Elevated Copper Initial Assessment Task Force. The IAP will be updated during the operational period with additional ICS 204 and ICS 215 forms that include the elevated lead level follow up outreach that is starting with 10 teams on Wednesday.

Best regards,

Henrik Hollaender
MSP/EMHSD

Planning Section Chief
Genesee County EOC
517-898-4225

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:53 PM
To: Schaefer, Scott (DEQ); MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: RE: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration

Spreadsheet attached from most recent numbers.

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:30 PM
To: Schaefer, Scott (DEQ); MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: RE: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration
Importance: High

ADDED STEP FROM GEORGE. SEE BELOW
From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:12 PM
To: Schaefer, Scott (DEQ); MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: RE: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration

That sounds like a good start to a plan, these 3 items should be addressed concurrently:

1: Contact resident - provide bottled water and health information
2: Determine if grounding is done appropriately and clean aerators. Must be done with a plumber.
3: Provide homeowner with test bottle to resample.
4: Develop plan for RO installation, IF NEEDED

From: Schaefer, Scott (DEQ)
Sent: Sunday, February 07, 2016 12:07 PM
To: MSP-EOC-MDEQ; MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: RE: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration

It is my understanding that all of the elevated Cu results are ones that were collected by the individual home owner, correct? Do we want to confirm that the samples result is accurate?

We can make initial contact with them and advise to use bottled water, etc., but before we spend a larger amount of money to install RO it might make sense to confirm the number reported is accurate. Thoughts?

Scott Schaefer
DEQ – RRD
Newberry Field Office
906-293-5131, ext. 4301
schaefers2@michigan.gov<mailto:schaefers2@michigan.gov>

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:02 PM
To: MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Schaefer, Scott (DEQ); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; MSP-EOC-MDEQ; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration
Importance: High

Please see string and attachments for original request and additional information.

I spoke with George Krisztian who advised the following via text:

"If that's the case then we will probably need to get some RO filters for the homes that exceeded 1.3 PPM. Before we proceed with installations we should have the home checked to see if it is properly grounded. If it is an electrical issue then the grounding should be fixed and the a resample taken. Until a final resolution is implemented bottled water should be used"

At this point we need to reach out to the 31 entities in the current list and inform them to utilize bottled water for consumption. Plans for verifying grounding, installation of reverse osmosis filters and sampling need to be developed and implemented.

Please keep the SEOC informed of activities to address this issue.

Thank you,
DEQ Representative
State Emergency Operations Center
MSP-EOC-MDEQ@michigan.gov<mailto:MSP-EOC-MDEQ@michigan.gov>

From: MSP-EOC-MDEQ
Sent: Friday, February 05, 2016 3:28 PM

To: MDEQ-ECC-IMT
Cc: MSP-EOC-MDCH
Subject: RE: ACTION REQUIRED: Sharing Information regarding Copper Filtration

Attached NSF follow-up email

From: MSP-EOC-MDEQ
Sent: Friday, February 05, 2016 1:14 PM
To: MDEQ-ECC-IMT
Subject: ACTION REQUIRED: Sharing Information regarding Copper Filtration
Importance: High

- ACTION ITEM- INFO RECEIVED
- SME: RICHARD BENZIE
- SUGGESTED DEADLINE: ASAP

NSF advised today that the filters currently distributed are not certified to remove copper. There are some pitcher filtration systems which are certified to remove copper but not lead. There are some under the sink reverse osmosis systems that will remove both. The cost of these systems range from $200 to $1000's.

NSF will provide the information they conveyed over the phone in a follow up email along with indentification of those systems which are certified. I will forward as soon as received.

Please keep the SEOC informed of response to this information.

DEQ Representative
State Emergency Operations Center
MSP-EOC-MDEQ@michigan.gov<mailto:MSP-EOC-MDEQ@michigan.gov>

Eickholt, Jay (MSP)

From: MSP-seocfgc
Sent: Sunday, February 07, 2016 4:11 PM
To: MSP-EMHSD-Division
Cc: MSP-seoclgc; MSP-SEOCOPSC
Subject: Additional DCDS Coding - City of Flint
Attachments: Activity Tab DCDS.png

Good Afternoon:

The State Budget Office (SBO) has requested some additional coding in DCDS for staff that work on the City of Flint Water Emergency. We will still be coding all overtime costs to PCA 28670. But at their request, we will also be utilizing the "Activity" code in DCDS.

To enter Activity Code

- Open Employee Data Collection
- Click on **Activity Tab** of DCDS timesheet
- On the Unit Entry tab, under Activity column at left, enter F in drop down box and select **FDWP** when it appears.
- Enter total of "**regular and overtime hours**" related to the Flint Water emergency in cell for each date worked.
- These hours should match the total hours for each day you have entered into your timesheet.
- Save when you have entered your activity hours.

Again, this is only for hours spent working on the City of Flint Emergency and should begin with this current pay period. Please let me know if you have questions.

Thanks,
Penny

Finance Section Chief
State Emergency Operations Center
Michigan State Police
Emergency Management and Homeland Security Division
Tx: (517)284-3895

Eickholt, Jay (MSP)

From: MSP-SEOCOPSC
Sent: Sunday, February 07, 2016 3:17 PM
To: MSP-SEOC5; Eickholt, Jay (MSP); MSP-EOC-MDLARA; Towne, Karen (LARA)
Subject: FW: Child Care Facilities Needing Water Resources
Attachments: Child Care Facilities.pdf

Importance: High

Jay,

Apparently Chris has had some questions concerning Child Care facilities (per attached list). Karen Towne has provided me with some insight as follows.

1 – Genesee Stem Academy
NFWS – 1609 Waldman Ave
2 – Richfield Academy Preschool
1 – Freeman Elementary
2 – Gloria's Little Angels
NFWS – Hartland Center Nursing Home
NFWS – Kiddie Trauma Child Care
4 – Wonder and Discovery Child Care
1 – Mott College Early Child Care
2 – Genesee County Head Start
3 – McFarland Senior Home
2 – Faith Kids Center
2 – Home Child Care
4 – 4110 Brownwell Blvd
0 – Davita Dialysis
4 – 1710 Welch Blvd.
2 – Childcare Facility
3 – Women's Health Center
1 – St. Paul Lutheran Early School
4 – AFC Claudette Lakes

Amy-Rice – 1014 Beard Road (private residence? – St. Paul Lutheran Early School is mentioned above referencing Amy Rice)

1 = School – Faucet Replacement Phase 1
2 = Child Care – Faucet Replacement Phase 2
3 = Adult Foster Care – Faucet Replacement Phase 3
4 = Small (6 or less) residential – regular service by volunteers
0 – Dialysis & Hospital – No Action needed
NFWS – Address is Not on Flint Water System

Phase 1 indicates that LARA will be replacing all water faucets (there are 40 in total)
Phase 2 will be identified Early Childhood Development sites that are licensed for 7 or more children
Phase 3 will address Adult Foster Care facilities
Licensed facilities (homes) that have 6 or less children should be addressed as private homes

It is my understanding, once the faucets have been replaced in these phases by LARA, no further actions will take place.

LARA will be sending out letters to all facilities that are shown to NOT be on the Flint Water System and ask them to contact if information is incorrect.

Karen, if I have incorrectly laid any of this out, please feel free to respond and correct. THANKS!

From: MSP-SEOC5
Sent: Sunday, February 07, 2016 10:04 AM
To: MSP-SEOCOPSC
Subject: FW: Child Care Facilities Needing Water Resources
Importance: High

Jackie,

I spoke to LARA after we received this email on Thursday and it was their understanding the request below was a one-time thing to get supplies to the childcare facilities, but Chris DeVriendt again mentions an AFN list that is given to the ARC and to me indicates an ongoing distribution. We just want to make sure nothing falls thru the cracks as it appears these emails are only being send to Recovery/Brianna. Hopefully we can get on the same page and not duplicating efforts or performing roles at the SEOC that should be at a local level.

Thanks,

Carly

From: Briggs, Brianna (MSP)
Sent: Thursday, February 04, 2016 9:57 AM
To: MSP-SEOC5
Subject: Fwd: Child Care Facilities Needing Water Resources
Importance: High

Talk to Ops Chief on this

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "DeVriendt, Chris" <CDeVriendt@co.genesee.mi.us>
Date: 02/04/2016 8:03 AM (GMT-05:00)
To: "Briggs, Brianna (MSP)" <BriggsB3@michigan.gov>
Cc: MSP-SEOCOPSC <MSP-SEOCOPSC@michigan.gov>
Subject: Child Care Facilities Needing Water Resources

Dear Brianna/OPS,

Team Rubicon attempted to make contact on all agencies listed in Task Assignment SEOC – 2152092. I removed the Hurley Hospital reference due to the impracticality of providing assistance to an agency that already far exceeds any standard of relief that we can offer. The attached list should be added to the AFN list that ARC services and supplies should be distributed as indicated on the list and at the direction of the State.

Please keep me in the loop as to supplies being authorized for 'for profit' agencies as this will have a huge impact on my operations at the local level.

I'm not sure of the best way to 'close out' this Req so I will pass it on to one of the State gurus down here for action on the actual ticket.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

DISCLAIMER: The information in this message is confidential and may be legally privileged. It is intended for the addressee. Access to this message by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, or distribution of the message, or any action or omission taken by you in reliance on it, is prohibited and may be unlawful. Please immediately contact the sender if you have received this message in error. Thank you.

Eickholt, Jay (MSP)

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:53 PM
To: Schaefer, Scott (DEQ); MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: RE: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration
Attachments: COPPER.xlsx

Spreadsheet attached from most recent numbers.

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:30 PM
To: Schaefer, Scott (DEQ); MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: RE: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration
Importance: High

ADDED STEP FROM GEORGE. SEE BELOW

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:12 PM
To: Schaefer, Scott (DEQ); MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: RE: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration

That sounds like a good start to a plan, these 3 items should be addressed concurrently:

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From: Schaefer, Scott (DEQ)
Sent: Sunday, February 07, 2016 12:07 PM
To: MSP-EOC-MDEQ; MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
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It is my understanding that all of the elevated Cu results are ones that were collected by the individual home owner, correct? Do we want to confirm that the samples result is accurate?

We can make initial contact with them and advise to use bottled water, etc., but before we spend a larger amount of money to install RO it might make sense to confirm the number reported is accurate. Thoughts?

Scott Schaefer
DEQ – RRD
Newberry Field Office
906-293-5131, ext. 4301
schaefers2@michigan.gov

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:02 PM
To: MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Schaefer, Scott (DEQ); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; MSP-EOC-MDEQ; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration
Importance: High

Please see string and attachments for original request and additional information.

I spoke with George Krisztian who advised the following via text:

"If that's the case then we will probably need to get some RO filters for the homes that exceeded 1.3 PPM. Before we proceed with installations we should have the home checked to see if it is properly grounded. If it is an electrical issue then the grounding should be fixed and the a resample taken. Until a final resolution is implemented bottled water should be used"

At this point we need to reach out to the 31 entities in the current list and inform them to utilize bottled water for consumption. Plans for verifying grounding, installation of reverse osmosis filters and sampling need to be developed and implemented.

Please keep the SEOC informed of activities to address this issue.

Thank you,
DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: MSP-EOC-MDEQ
Sent: Friday, February 05, 2016 3:28 PM
To: MDEQ-ECC-IMT
Cc: MSP-EOC-MDCH
Subject: RE: ACTION REQUIRED: Sharing Information regarding Copper Filtration

Attached NSF follow-up email

From: MSP-EOC-MDEQ
Sent: Friday, February 05, 2016 1:14 PM
To: MDEQ-ECC-IMT
Subject: ACTION REQUIRED: Sharing Information regarding Copper Filtration
Importance: High

- ACTION ITEM- INFO RECEIVED
- SME: RICHARD BENZIE
- SUGGESTED DEADLINE: ASAP

NSF advised today that the filters currently distributed are not certified to remove copper. There are some pitcher filtration systems which are certified to remove copper but not lead. There are some under the sink reverse osmosis systems that will remove both. The cost of these systems range from $200 to $1000's.

NSF will provide the information they conveyed over the phone in a follow up email along with indentification of those systems which are certified. I will forward as soon as received.

Please keep the SEOC informed of response to this information.

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

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Eickholt, Jay (MSP)

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 12:02 PM
To: MDEQ-ECC-IMT; MSP-SEOCSDEM; Eickholt, Jay (MSP); Schaefer, Scott (DEQ); Hollaender, Henrik (MSP)
Cc: MSP-EOC-MDCH; MSP-EOC-MDEQ; Brown, Melanie (DEQ); Krisztian, George (DEQ)
Subject: ACTION REQUIRED - FOLLOW UP: Sharing Information regarding Copper Filtration
Attachments: Copper filtration; COPPER.xlsx

Importance: High

Please see string and attachments for original request and additional information.

I spoke with George Krisztian who advised the following via text:

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DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

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To: MDEQ-ECC-IMT
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DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Friday, February 05, 2016 8:19 PM
To: Kelenske, Chris (MSP); Katarsky, Anthony (MSP); Bowman, Kyle (MSP); Banner, Shanon (MSP); Sweeney, Kevin (MSP); High, Kenneth (MSP); Georgopoulos, Carly (MSP); Theis, Stacy (MSP); Tober, Renee (MSP); Davis, Kristi (MSP); Nobach, Tonya (MSP); Galbreath, Wendy (MSP); Homant, Cynthia (MSP); Briggs, Brianna (MSP); Farmer, Michael (MDOC); Yount, Jane (MSP); Gilsdorf, Michelle (MSP); McCarthy, Joyce (MSP); Laban, Diane (MSP); Barcroft, Jaclyn (MSP); Baker, Zachary (MSP); Bresler, Amanda (MSP); Hampton, Jacqueline (MSP); Covey, Gabriel (MSP); Mankowski, Mary (MSP); Strobel, Pamela (MSP); Walter, Audrey (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Burger, Penelope (MSP); Weber, Thomas (MSP); Tchorzynski, James (MSP); Day, Kari (MSP); Schnepp, Matt (MSP); Jonker-Burke, Samuel (MSP); Nix, Gary (MSP); Sekmistrz, Nicholas (MSP); Asbridge, Daniele (MSP); Downs, Nancy (MSP); Hollaender, Henrik (MSP); Russo, Mark (MSP); Roach, Billie Jo (MSP); Spencer, Bridget (MDOC); Law, Richard (MSP); Jenness, Kevin (MSP); Chomentowski, Walter (MSP); Richmond, Kim (MSP); Kuzera, Michelle (MSP); Hardy, Raquel (MSP); Martin, June (MSP); Sheaffer, Richard (MSP)
Subject: SEOC Staffing Schedule for Feb 8-14
Attachments: SEOC Schedule Feb 8-14.xlsx

State Emergency Operations Center
Logistics Section
517-284-3893

Eickholt, Jay (MSP)

From:	MSP-seoclgc
Sent:	Friday, February 05, 2016 1:34 PM
To:	MSP-EOC-MDCORTNS; Shatrau, Bonnie (MDOC)
Cc:	MSP-EOC-MDTMB; Weber, Thomas (MSP); MSP-seoclgc; MSP-seocfgc; plangc; MSP-SEOC5; Eickholt, Jay (MSP); Decastro, Michael (MSP)
Subject:	FW: Kroger Warehouse Plan
Attachments:	Kroger Warehouse Plan.docx

Brent and Bonnie,

The plan was approved. See attached. And see below for Capt's comments.

Please note that tomorrow will be exactly what we discussed...receiving only until we can get all supplies and equipment in place.

So we can go ahead with ordering supplies, scheduling food, blah blah blah.

Thanks!

Wendy

State Emergency Operations Center
Logistics Section
517-284-3893 or 517-284-3892

From: Kelenske, Chris (MSP)
Sent: Friday, February 05, 2016 1:02 PM
To: MSP-seoclgc
Cc: Katarsky, Anthony (MSP); MSP-SEOCOPSC
Subject: Re: Kroger Warehouse Plan

Move forward. We may have to adjust hours or other parts to this at some point though. I do want to see if we can incorporate a jobs program into this. Working on it now but just be mindful of that. The G wants to provide jobs for local residents and this would be a great place to have that.

On Feb 4, 2016, at 4:31 PM, MSP-seoclgc <MSP-seoclgc@michigan.gov> wrote:

> Please approve. We would like to go operational on Saturday.
>
> <Kroger Warehouse Plan.docx>

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Friday, February 05, 2016 10:13 AM
To: Eickholt, Jay (MSP)
Attachments: POD 5-7 and 7-9 comparison.docx

This is what I sent to Capt.

Wendy

State Emergency Operations Center
Logistics Section
517-284-3893

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Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Friday, February 05, 2016 8:22 AM
To: Tina M Martinez; wekerr@feedingamerica.org
Cc: MSP-seoclgc; Eickholt, Jay (MSP)
Subject: RE:
Attachments: Kroger Warehouse Plan.docx

Good morning Tina and Bill,

I want to thank you again for all of your advice and guidance on the warehouse operational times. It's so helpful! Can you tell me what your hours are? We are just about there in finalizing our plans. Please see the attached plan that we have drafted up. Let me know your thoughts and also edit your hours as well if I have them incorrect. We have room to be open more often as well, but I didn't want to immediately start off with too many hours until we got a feel for how busy we would be.

Tomorrow we are going to be open from 12-6, but we are not publicizing it just yet as we do not have all the equipment and supplies we need to run a warehouse. But we wanted to be open to receive only, just to give you and us a little relief as Saturday's tend to be our busiest times for the loose donations.

Lastly, your trucks have been extended for a couple of weeks. Please keep us posted if you experience any difficulties with them or you no longer need them.

Thanks again for your help.

Wendy

State Emergency Operations Center
Logistics Section
517-284-3893

From: Tina M Martinez [mailto:tmartinez@feedingamerica.org]
Sent: Wednesday, February 03, 2016 4:58 PM
To: MSP-seoclgc
Subject:

Hi Wendy,

The Saturday set up sounds great. Mondays and Fridays from 1:00 p.m. to 4:30 p.m. would work for us. Our trucks all leave out in the morning so we have an opportunity to take in trucks really up until 1:00 then in afternoons we have a store pick up program and orders to pull. 4:30 p.m. is when we close you could certainly extend that if you need to.

Let me know what you think.

Thanks

Tina Martinez

Director of Operations
Food Bank of Eastern Michigan
2300 Lapeer Road
Flint, Michigan 48503
810.239.4441 Main / 810.396.0230
810.239.2396 Fax / www.fbem.org

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Eickholt, Jay (MSP)

From: MSP-EOC-MDCH
Sent: Thursday, February 04, 2016 8:55 AM
To: Eickholt, Jay (MSP)
Cc: MSP-EOC-MDEQ
Subject: Need rapid turn around on printing these 2 documents
Attachments: LeadInWaterInfoSheetV2a_511710_7.pdf; flyerBW_510337_7.pdf

Jay,
Here are the 2 documents we just discussed. 200 copies of each.

Thank you!!!!

Kathy

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Wednesday, February 03, 2016 2:23 PM
To: Eickholt, Jay (MSP)
Subject: SEOC EMHSD Staff Schedule week of Feb 8-14.xlsx
Attachments: SEOC EMHSD Staff Schedule week of Feb 8-14.xlsx

Please complete the attached staffing spreadsheet for next week's schedule for the Local EOC and return to me by noon on Friday the 5th.

Thanks,
Wendy

Eickholt, Jay (MSP)

From: MSP-SEOC5
Sent: Wednesday, February 03, 2016 2:03 PM
To: Eickholt, Jay (MSP); Wildman, Michele (MSHDA)
Subject: FW: Update on HUD Mandatory Water Testing
Attachments: mime-attachment; ATT00001.htm

Hi Jay,

Can you please contact Michelle Wildman with MSHDA regarding a pickup of Test Kits from the warehouse per the email below? She is CC'd on this email and I advised we would contact her to go through the request/fulfillment process.

Thank you,

Carly

Begin forwarded message:

> **From:** "Mills, Brian (MSHDA)" <MillsB7@michigan.gov>
> **Date:** February 3, 2016 at 10:16:56 AM EST
> **To:** "Galbreath, Wendy (MSP)" <GalbreathW@michigan.gov>
> **Cc:** "Wildman, Michele (MSHDA)" <WildmanM@michigan.gov>
> **Subject: Fwd: Update on HUD Mandatory Water Testing**
>
> Wendy. Can I get those sites where water testing materials can be acquired please.
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Wildman, Michele (MSHDA)" <WildmanM@michigan.gov>
> > **Date:** February 3, 2016 at 8:28:59 AM EST
> > **To:** "Mills, Brian (MSHDA)" <MillsB7@michigan.gov>
> > **Subject: RE: Update on HUD Mandatory Water Testing**
> >
> > If MSP provided the sites – than I didn't get it. The last e-mail on this topic I have (is the attached message) – where you pointed out the sites weren't attached.
> >
> > Michele M. Wildman
> > Chief Housing Investment Officer
> > Michigan State Housing Development Authority
> > wildmanm@michigan.gov
> > (517) 373-4363
> >
> > ---
> >
> > **From:** Mills, Brian (MSHDA)
> > **Sent:** Tuesday, February 02, 2016 10:59 PM
> > **To:** Hollins, Harvey (GOV) <hollinsh@michigan.gov>
> > **Cc:** Brown, Melanie (DEQ) <BrownM45@michigan.gov>; MSP-seoclgc <MSP-seoclgc@michigan.gov>; Galbreath, Wendy (MSP) <GalbreathW@michigan.gov>; Feldpausch, Lynne (MEDC) <feldpauschl@michigan.org>; Wildman, Michele (MSHDA) <WildmanM@michigan.gov>; Wells, Daphne (MSHDA) <WellsD2@michigan.gov>
> > **Subject:** Update on HUD Mandatory Water Testing

Harvey,

Pursuant to emails with Mel Brown, I wanted to update you with regard to what we know about mandatory HUD water testing of HUD financed apartments in the City of Flint:

- Attached is correspondence that HUD sent to HUD financed apartment complex properties requiring property managers to install water filters.
- In addition to this letter, HUD staff informed MSHDA staff yesterday that water testing was mandatory for HUD properties. We're seeking written clarification on mandatory water testing from HUD and will share this information when received.
- MSHDA will be reaching out this week to MSHDA financed rental properties and following suit. MSP has provided us with locations of where testing material can be obtained and we'll be communicating with property managers as to where they can attain these materials and required testing. If you have any concerns or issues with us taking this direction, please let us know.
- NOTE: The HUD properties that Pastor Woods has contacted you about are properties administered through the Flint Housing Commission with HUD related resources. *These are not MSHDA properties.*

I have copied our Chief Housing Investment Officer, Michele Wildman as well as Daphne Wells from MSHDA who recently communicated with HUD about water testing. If you need any further information or have more questions, don't hesitate to contact me, Michele or Daphne.

Knowing that you were heading to a meeting with Pastor Woods, I wanted to get you the most recent information available. Updates will follow as more information is gathered.

Brian.

Brian Mills
Chief Operating Officer
Michigan State Housing Development Authority (MSHDA)
735 E. Michigan Ave. | Lansing, MI 48912
Office: 517.241.4322 |

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Wednesday, February 03, 2016 11:31 AM
To: Eickholt, Jay (MSP)
Subject: FW: Incoming Message
Attachments: boarddata.pdf

Is this the one you asked me about earlier?

From: MSP-SEOCPIO
Sent: Wednesday, February 03, 2016 11:20 AM
To: MSP-seoclgc
Subject: FW: Incoming Message

Do you know if the attached was handled?

State Emergency Operations Center
Public Information Officer
517-284-3934

From: JICManager
Sent: Wednesday, February 03, 2016 11:14 AM
To: MSP-SEOCPIO
Subject: FW: Incoming Message

Please see below. We're following up on several items. Could you check with the Logistics Chief to see that the following has been closed?

--Ron

From: Sprague, Megan (MDARD)
Sent: Wednesday, February 03, 2016 11:12 AM
To: JICManager
Subject: Incoming Message

Hello Ron,

Did the attached record get handled? In the "reply response" portion it said the request was forwarded to the JIC manager to respond. Just need to know what happened.

Thanks,

Megan Sprague
Communications Representative
Animal Industry Division
Michigan Department of Agriculture and Rural Development
Office: 517-284-5661
Constitution Hall
525 West Allegan Street
6th Floor, P.O. Box 30017

Lansing, MI 48909

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Eickholt, Jay (MSP)

From: Roach, Billie Jo (MSP)
Sent: Sunday, January 31, 2016 3:16 PM
To: Russo, Mark (MSP); Decastro, Michael (MSP)
Cc: Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Heintzelman Shasta; Hollaender, Henrik (MSP)
Subject: Emailing: Copy of Copy of Church Distribution (2)
Attachments: Copy of Copy of Church Distribution (2).xlsx

Hi, note a cell # for Pastor Randolph

Your message is ready to be sent with the following file or link attachments:

Copy of Copy of Church Distribution (2)

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Eickholt, Jay (MSP)

From: Decastro, Michael (MSP)
Sent: Saturday, January 30, 2016 2:11 PM
To: Eickholt, Jay (MSP)
Subject: Church needs
Attachments: Copy of Church Distribution (2).xlsx

Lt. Michael A. de Castro
District 7 Coordinator
Emergency Management and Homeland Security Division
Michigan State Police
931 S. Otsego Ave., Suite #6
Gaylord, MI 49735
TX: 989-705-3805

Fax: 989-731-0123

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Saturday, January 30, 2016 1:34 PM
To: Decastro, Michael (MSP)
Cc: Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Covey, Gabriel (MSP)
Subject: Copy of Copy of Church Distribution.xlsx
Attachments: Copy of Copy of Church Distribution.xlsx

Jay,

Just to confirm,,, Mike is going to call the churches in blue,, and I will call the ones in yellow just to confirm,,, they are set for the weekend.

This may duplicate what BJ has already done,, however we want to make it right. If a church needs water we will email Jay to be placed on the delivery list.

Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Saturday, January 30, 2016 1:26 PM
To: Eickholt, Jay (MSP)
Subject: Copy of Copy of Church Distribution.xlsx
Attachments: Copy of Copy of Church Distribution.xlsx

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Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Saturday, January 30, 2016 11:02 AM
To: Kuzera, Michelle (MSP)
Cc: Eickholt, Jay (MSP); Decastro, Michael (MSP); Covey, Gabriel (MSP); Weber, Thomas (MSP); MSP-SEOCOPSC
Subject: RE: Churches
Attachments: Church PODa.docx

Michelle,

Just an FYI regarding this email. The plan we worked on this week is in place (see attached). The churches that Lt. Roach has been coordinating with the last couple weeks have also been addressed. Jay E. advised Lt. Roach has provided him with the churches that are still in need of water deliveries.

Lt. Mark A. Russo
District 6 Coordinator
Emergency Management and
Homeland Security Division
Michigan State Police
345 Northland Drive NE
Rockford MI 49341
TX: 616-866-6665

Fax: 616-866-3997

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

-----Original Message-----
From: Kuzera, Michelle (MSP)
Sent: Saturday, January 30, 2016 10:00 AM
To: Russo, Mark (MSP)
Subject: FW: Churches

Want to follow up since BJ is out today?

-----Original Message-----
From: Kelenske, Chris (MSP)
Sent: Saturday, January 30, 2016 8:24 AM
To: MSP-SEOCOPSC; MSP-SEOCSDEM; Roach, Billie Jo (MSP)
Cc: Weber, Thomas (MSP); Katarsky, Anthony (MSP); Kuzera, Michelle (MSP); david.samaniego@fema.dhs.gov
Subject: Churches

Can someone look into these sites to see if they need anything for Sunday and to also coordinate with long term recovery.

Lt Roach - probably handle the Sunday items if you are in and weber on LTR. Lt covey to coordinate these tasks. Thanks.

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Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Friday, January 29, 2016 6:38 PM
To: rodneyellison19@yahoo.com; revalharris1@hotmail.com; revaco@comcast.net
Cc: Roach, Billie Jo (MSP); Kuzera, Michelle (MSP); Eickholt, Jay (MSP); supthawkins@sbcglobal.net; pastorreggieflynn@yahoo.com; gdwggrace@gmail.com
Subject: RE: church list
Attachments: Church PODa.docx

Pastor Ellison, Harris, and Overton,

Below is a list of churches that have volunteered to be Church Distribution Hubs. I had direct contact with the pastors and their point of contacts. I have also conducted site assessments at their facilities.
It was conveyed to them that this initial plan was a collaborative effort, and may change with input from all parties involved.
It was discussed, and agreed that the HUB churches would network with the surrounding churches, and set up their own agreed upon distribution schedule. It was requested that the HUB church provide a list of churches that are obtaining their water from the HUB church. This list can be sent via email to Lt. Roach at Roachb@michigan.gov.
Hopefully this plan will further assist and augment our initiative of getting water to our residents more efficiently.

Request for Water

At this time the Church HUB point of contact is Lt. Roach The Church HUB will call and provide the quantity of water, and schedule the delivery time. This should be scheduled at least 24 hours in advance.

Deliveries

The deliveries will be conducted by a Mi DTMB driver, and truck. They have a pallet jack and the capability of moving pallets from their truck to a staging area. If the water needs to be transported to an upper or lower level, there needs to be people to assist off-loading.

Church Distributions

The Church Distribution HUB would be responsible to network with the surrounding churches, and set up a distribution schedule, along with amounts of water needed.

Michigan State Police Points of Contact

Lt. B.J. Roach Roachb@michigan.gov
Lt. Mark A. Russo Russom2@michigan.gov

CHURCH DISTRIBUTION HUBS

NORTH

Foss Avenue Baptist Church
1159 East Foss Avenue
Flint MI
Pastor Flynn
Point of Contact: Jackie Scott

Delivery: 4 pallets starting 2-2-2016 @ 12:30 pm

NORTH WEST

St. Mark Baptist Church
3020 DuPont NE
Flint MI
Pastor Thompson
Point of Contact: Angie George

Delivery: 25 pallets starting 1-29-2016 @ 11:00 am

SOUTH CENTRAL

El-Shaddai Church of God in Christ
920 Walnut
Flint MI
Pastor Steve Hawkins
Point of Contact: Elder Eddie Kennedy

Delivery: 20 pallets starting 1-29-2016 @ 9:00 am

SOUTH EAST

Grace Emmanuel Baptist Church
3502 Lapeer Road
Flint MI
Pastor Jennings
Point of Contact: Glenna Gates

Delivery: 8 pallets starting 1-30-2015 @ 10:00 am

SOUTH

Divine Revelations
902 Huron Street
Flint MI
Pastor Williams

Delivery: 25 pallets starting 1-30-2016 @ 11:00 am

Lt. Mark A. Russo
District 6 Coordinator
Emergency Management and
Homeland Security Division
Michigan State Police
345 Northland Drive NE
Rockford MI 49341
TX: 616-866-6665

Fax: 616-866-3997

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Russo, Mark (MSP)
Sent: Thursday, January 28, 2016 7:48 PM
To: rodneyellison19@yahoo.com; revalharris1@hotmail.com; revaco@comcast.net
Cc: Roach, Billie Jo (MSP); Kuzera, Michelle (MSP)
Subject: RE: church list

Pastor Ellison, Harris, and Overton,

Tomorrow I plan on finalizing the Church Hub Distribution plan. I have met with several Pastors and have conducted several site visits. The plan is a good start knowing we can always edit and change. I will send it out to you tomorrow for review.

Lt. Mark A. Russo
District 6 Coordinator
Emergency Management and
Homeland Security Division
Michigan State Police
345 Northland Drive NE
Rockford MI 49341
TX: 616-866-6665

Fax: 616-866-3997

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Friday, January 29, 2016 6:25 PM
To: MSP-seoclgc
Subject: SEOC MSP Staffing 2-1 through 2-7-2016
Attachments: SEOC EMHSD Staff Schedule week of 2-1-16-2-7-16.xlsx

Attached is the MSP staffing list for the next seven days.

Activation hours continue to be 0800 to 2000 each day. You will be notified if this changes.

Thank you,
State Emergency Operations Center
Logistics Section
517-284-3893

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Thursday, January 28, 2016 7:44 PM
To: Kuzera, Michelle (MSP)
Cc: Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Briggs, Brianna (MSP); MSP-SEOC11
Subject: RE: Child Care facility Resource Request from LARA
Attachments: Need Water Reources.xlsx

Sorry – when I opened up the PDF there was a spreadsheet that could be opened – here it is.

From: Kuzera, Michelle (MSP)
Sent: Thursday, January 28, 2016 7:39 PM
To: MSP-seoclgc
Cc: Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Briggs, Brianna (MSP); MSP-SEOC11
Subject: Re: Child Care facility Resource Request from LARA

Can you send the spreadsheet please?

Sent from my iPhone

On Jan 28, 2016, at 7:34 PM, MSP-seoclgc <MSP-seoclgc@michigan.gov> wrote:

> Please see attached and provide status when able.
>
> Carol
> State Emergency Operations Center
> Logistics Section Chief
> 517-333-7767
>
> <SEOC-2152092 Child Care Facilities RR.pdf>

Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Thursday, January 28, 2016 5:37 PM
To: Roach, Billie Jo (MSP)
Cc: Kuzera, Michelle (MSP); Eickholt, Jay (MSP)
Subject: Church POD
Attachments: Church POD.docx

Take a look partner,,,, this is a rough draft, which can be edited...

Also, I have SEOC mapping GIS putting the CHURCH HUBS on our CHURCH MAP. That was emailed to them 30 minutes ago,,,,,

Let me know what you think,,,, get out your RED pen and critique.....

Again,, I am here to help and to assist you..

Eickholt, Jay (MSP)

From: Kuzera, Michelle (MSP)
Sent: Wednesday, January 27, 2016 5:37 PM
To: Russo, Mark (MSP)
Cc: Eickholt, Jay (MSP)
Subject: FW: HotShot Request
Attachments: image001.jpg

Can you handle this please?

-----Original Message-----
From: Eickholt, Jay (MSP)
Sent: Wednesday, January 27, 2016 5:16 PM
To: Kuzera, Michelle (MSP)
Subject: FW: HotShot Request

Is Rubicon doing door to door deliveries?

From: MSP-seoclgc
Sent: Wednesday, January 27, 2016 5:01 PM
To: Eickholt, Jay (MSP)
Subject: FW: HotShot Request

Please handle. Thanks so much!

From: Puls, Susan (DHHS)
Sent: Wednesday, January 27, 2016 3:50 PM
To: MSP-seoclgc
Cc: checcdeptcoor
Subject: HotShot Request

Hello,

Would you please attend to the request for bottled water below? Thank you.

Call Data

ID

CallDate

CallTime

CallerName

CallerNumber

CallDetails

ReferredCall

ReferredDetails

Issue

OperatorName

105

1/27/2016

3:40 pm

A friend requested that a Hotshot run be made for is a stroke victim and is unable to obtain bottled water on his own.

Residence is across the street from a YMCA.

Request is for bottled water.

Yes

Referred this request to the SEOC Hotshot email.

Hot Shot Delivery

Susan Puls

Susan Puls, MSW
Michigan Volunteer Registry Technician
517-335-9586
pulss@michigan.gov<mailto:pulss@michigan.gov>

[cid:image001.jpg@01D1591A.4F5BC0D0]

Eickholt, Jay (MSP)

From: FEDERALSEOC
Sent: Monday, January 25, 2016 7:51 PM
To: Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282@vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Spata, Paul; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP); David.gutierrez@redcross.org; kristy.gallagher@redcross.org; Shatrau, Bonnie (MDOC)
Subject: Flint Water Response Team Plan for Tuesday 1/26/16 and Wednesday 1/27/16
Attachments: Flint Water Response Team Plan for 01.26.16 and 01.27.16 FINAL.docx

Attached is the Flint Water Response Team Plan for Tuesday and Wednesday.

Thank you,

Recovery Branch

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Monday, January 25, 2016 7:49 PM
To: Thelen, Richard (DHHS); Georgopoulos, Carly (MSP)
Cc: Shatrau, Bonnie (MDOC); Eickholt, Jay (MSP); MSP-SEOC11
Subject: Final Hot shot form
Attachments: Hotshot Form V2.docx

Final form approved by Jay. Please use only this form when requesting hot shots from the warehouse. Continue to cc msp-seoc11@michigan.gov

Thanks,
Wendy
State Emergency Operations Center
Logistics Section Chief
517-333-7767

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Monday, January 25, 2016 4:35 PM
To: Eickholt, Jay (MSP); Thelen, Richard (DHHS)
Subject: Hot shot form
Attachments: Hotshot Form V1.docx

Please start using this form for all "Hotshot" requests. This will allow the warehouse to manage all requests coming in.

Thank you

State Emergency Operations Center
Logistics Section Chief
517-333-7767

Eickholt, Jay (MSP)

From: Heintzelman Shasta
Sent: Monday, January 25, 2016 2:37 PM
To: Eickholt, Jay (MSP)
Subject: FW: Closed Water Filter POD at Univ. MI-Flint?
Attachments: Completed Address Tracking Forms UM_Flint 25JAN2016.pdf

Shasta Heintzelman
REP Unit
Emergency Management and
Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, Michigan 48910
Phone: 517-333-5035

Fax: 517-333-4987

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Dintenfass, Linda [dinten@umflint.edu]
Sent: Monday, January 25, 2016 1:47 PM
To: Heintzelman Shasta
Cc: Lane, Mike; Rometsch, Lora
Subject: RE: Closed Water Filter POD at Univ. MI-Flint?

Shasta,
The UM-Flint's first set of completed address tracking forms is attached.

If you have questions or concerns, please let me know.

Linda

Linda Dintenfass, PEM; MBA
Emergency Preparedness Specialist
Environment, Health and Safety
University of Michigan-Flint
Work schedule: Mon, Wed & Thurs
dinten@umflint.edu
810.766.6763

-----Original Message-----
From: Heintzelman Shasta [mailto:HeintzelmanS1@michigan.gov]
Sent: Monday, January 25, 2016 1:29 PM
To: Dintenfass, Linda <dinten@umflint.edu>

Subject: RE: Closed Water Filter POD at Univ. MI-Flint?

Yes please.

Shasta Heintzelman
REP Unit
Emergency Management and
Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, Michigan 48910
Phone: 517-333-5035

Fax: 517-333-4987

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Dintenfass, Linda [dinten@umflint.edu]
Sent: Monday, January 25, 2016 1:06 PM
To: Heintzelman Shasta
Subject: RE: Closed Water Filter POD at Univ. MI-Flint?

Shasta,
Should I send the completed spreadsheets to you?

Linda

Linda Dintenfass, PEM; MBA
Emergency Preparedness Specialist
Environment, Health and Safety
University of Michigan-Flint
Work schedule: Mon, Wed & Thurs
dinten@umflint.edu
810.766.6763

-----Original Message-----
From: Heintzelman Shasta [mailto:HeintzelmanS1@michigan.gov]
Sent: Monday, January 18, 2016 8:50 AM
To: Dintenfass, Linda <dinten@umflint.edu>
Subject: FW: Closed Water Filter POD at Univ. MI-Flint?

Good morning Linda. When would be a good time for the delivery of these items? I have attached a spreadsheet. Please have this filled out when these items are distributed. Feel free to contact me if you have any further questions. Thank you!

Shasta Heintzelman
REP Unit
Emergency Management and
Homeland Security Division
Michigan State Police

4000 Collins Road
Lansing, Michigan 48910
Phone: 517-333-5035
Fax: 517-333-4987

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

>>
>> -----Original Message-----
>> From: Dintenfass, Linda [mailto:dinten@umflint.edu]
>> Sent: Sunday, January 17, 2016 5:18 PM
>> To: Kuzera, Michelle (MSP)
>> Cc: Tewksbury, Greg; Lane, Mike; Paul Spata
>> Subject: FW: Closed Water Filter POD at Univ. MI-Flint?
>> Importance: High
>>
>> Hi Michelle,
>> Confirming our telephone conversation this afternoon, you will have 500 water filters, replacement cartridges, water test kits and address forms sent to the University of Michigan-Flint. We will distribute these filters only to faculty, staff and students who are Flint residents affected by this crisis.
>>
>> Pleave have these materials delivered to:
>> Recreation Center
>> University of Michigan-Flint
>> 401 Mill Street
>> Loading Dock located on west/river-side of the building Flint, MI 48502
>>
>> If you could have the truck driver call me when he arrives on campus, I'll meet him at the Rec Center.
>>
>> I'll be the primary point-of-contact.
>> phone:
>> email: dinten@umflint.edu
>>
>> The back-up POC is Mike Lane
>> phone:
>> email: mjlane@umflint.edu
>>
>> Mike and I will be responsible for returning the completed address forms to the Genesee County EOC.
>>
>> Michelle, we greatly appreciate the State's and Genesee County's assistance in ensuring that the members of our campus community have potable water as well as your efforts to make this happen.
>>
>> Paul, since the Genesee County EOC is able to fill the UM-Flint's request, please cancel our request to the SEOC.
>>
>> With thanks to all,
>> Linda
>>
>> Linda Dintenfass, PEM; MBA
>> Emergency Preparedness Specialist
>> Environment, Health and Safety

>> University of Michigan-Flint
>> Work schedule: Mon, Wed & Thurs
>> dinten@umflint.edu<mailto:dinten@umflint.edu>
>> 734.476.6294
>>
>>
>> _____
>> From: Dintenfass, Linda
>> Sent: Sunday, January 17, 2016 3:04 PM
>> To: cdevriendt@co.genesee.mi.us
>> Cc: Lane, Mike; Paul Spata
>> Subject: FW: Closed Water Filter POD at Univ. MI-Flint?
>>
>>
>> Hi Chris,
>>
>> I spoke to Red Cross SEOC Liaison Paul Spata who advised me to share this request with you. Paul said that the GC EOC is now handling partner requests. I'm following up with you in my role as the UM-Flint Emergency Preparedness Specialist.
>>
>>
>> UM-Flint is requesting 1,000 water filters to distribute to its faculty, staff and students. The original request was for filter delivery Monday, but that doesn't matter. We'd like to get filters as soon as possible.
>>
>>
>> Please let me know the status of this request as soon as you can. The University wants to ensure it's doing everything possible to safeguard the members of our campus community.
>>
>>
>> Thank you,
>>
>> Linda
>>
>> Linda Dintenfass, PEM; MBA
>> Emergency Preparedness Specialist
>> Environment, Health and Safety
>> University of Michigan-Flint
>> Work schedule: Mon, Wed & Thurs
>> dinten@umflint.edu<mailto:dinten@umflint.edu>
>> 810.766.6763
>>
>>
>> _____
>> From: Dintenfass, Linda [linda.dintenfass2@redcross.org]
>> Sent: Sunday, January 17, 2016 2:55 PM
>> To: Dintenfass, Linda
>> Subject: Fw: Closed Water Filter POD at Univ. MI-Flint?
>>
>>
>>
>>
>> Linda Dintenfass, PEM

>>
>> American Red Cross
>>
>> Disaster Cycle Services
>>
>> Michigan Region
>>
>> External Relations
>> Linda.Dintenfass2@redcross.org<mailto:Linda.Dintenfass2@redcross.org>
>>
>> 734.864.2554
>>
>>
>>
>>
>>
>> _____
>> From: Dintenfass, Linda
>> Sent: Friday, January 15, 2016 10:36 AM
>> To: Spata, Paul
>> Cc: mjlane@umich.edu; Williams, Pamela; dinten@umflint.edu
>> Subject: Closed Water Filter POD at Univ. MI-Flint?
>>
>>
>> Hi Paul,
>>
>> The University of Michigan-Flint is requesting 1,000 waters filters which the University would distribute to faculty, staff and students (bearers of UM ID cards only). Can the State provide UM-Flint the filters? The University would handle all other aspects of distribution, including unloading delivery truck(s).
>>
>>
>> The University would like to distribute the filters on Monday, Jan. 18.
>>
>>
>> The UM-Flint POC is:
>>
>> Mike Lane
>>
>> Director, Environment, Health and Safety
>>
>> mjlane@umflint.edu
>>
>>
>> Please let me know if you have additional questions.
>>
>>
>> Thank you,
>>
>> Linda
>>
>>
>> Linda Dintenfass, PEM

>>
>> American Red Cross
>>
>> Disaster Cycle Services
>>
>> Michigan Region
>>
>> External Relations
>> Linda.Dintenfass2@redcross.org<mailto:Linda.Dintenfass2@redcross.org>
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>> 734.864.2554
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Eickholt, Jay (MSP)

From: MSP-SEOC5
Sent: Sunday, January 24, 2016 5:55 PM
To: Twohig, Lauren; MSP-EOC-MDSP; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: Flint Water Response Team Plan for Monday 1/25/16
Attachments: Flint Water Response Team Plan for Monday 01.25.16 FINAL.docx

Importance: High

Attached is the final plan for Water Response Teams tomorrow, Monday, January 25.

Thank you,
Brianna

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Sunday, January 24, 2016 5:17 PM
To: Kelenske, Chris (MSP); Katarsky, Anthony (MSP); Walter, Audrey (MSP); Kaiser, Douglas (MSP); Yount, Jane (MSP); Garza, Oralya (MSP); Banner, Shanon (MSP); Hawks, Trevor (MSP); Covey, Gabriel (MSP); Richmond, Kim (MSP); Briggs, Brianna (MSP); Georgopoulos, Carly (MSP); Theis, Stacy (MSP); Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Barcroft, Jaclyn (MSP); Mankowski, Mary (MSP); Gilsdorf, Michelle (MSP); McCarthy, Joyce (MSP); Bresler, Amanda (MSP); Day, Kari (MSP); Baker, Zachary (MSP); Tchorzynski, James (MSP); Burger, Penelope (MSP); Tober, Renee (MSP); Law, Richard (MSP); Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Hollaender, Henrik (MSP); Heintzelman Shasta; Roach, Billie Jo (MSP); Russo, Mark (MSP); Jenness, Kevin (MSP); Downs, Nancy (MSP); Strobel, Pamela (MSP); Chomentowski, Walter (MSP); Jonker-Burke, Samuel (MSP)
Subject: SEOC MSP Staffing 1/25-31/2016
Attachments: SEOC EMHSD Staff Schedule week of 1_25 1_31_16_Final.xlsx

Attached is the MSP staffing list for the next seven days.

Activation hours continue to be 0800 to 2000 each day. You will be notified if this changes.

On Friday, 1/29 – all staff will report to the new SEOC. More details will follow.

State Emergency Operations Center
Logistics Section Chief
517-333-7767

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Thursday, January 21, 2016 6:03 PM
To: Hunter, Janet (DHHS); Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Cc: MSP-SEOC11; Nobach, Tonya (MSP); MSP-EOC-MDHS; Holmes, Virginia (DHHS); MSP-SEOCOPSC
Subject: RE: Pitcher, Filters and Filtered Water Bottles
Attachments: NSF Approved Filters and Replacements for Donation.xlsx

Hi all

Brian Wilson created a spreadsheet that Tonya and I altered based on discussions with Capt. It is attached.
This should be used as a resource to provide to those wishing to donate filters and replacements.

Please let me know if you have any question.
Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

-----Original Message-----
From: Hollaender, Henrik (MSP)
Sent: Thursday, January 21, 2016 3:59 PM
To: MSP-seoclgc
Cc: Hunter, Janet (DHHS); Eickholt, Jay (MSP)
Subject: RE: Pitcher, Filters and Filtered Water Bottles

All,

I have NOT send the below response to this vendor offering supplies, because I do not know if it is appropriate and could be somehow used paint the wrong picture of our efforts.
Michigan Community Service Commission and I would very much appreciate some guidance on what to tell these people - especially if they are actually offering something that we are currently usimg (i.e., Pur or Brita filters, ZeroWater pitchers/filters).

I assume telling people outright that we do not want in-kind donations of filters is not the way to go at this point, but please try to clarify if we either will or will not receive filter donations going forward, and provide some guidance on how to reject people if necessary.

Brooke,

Thank you very much for your efforts and willingness to support the community in the City of Flint. I am truly sorry, but we are currently not able to directly coordinate with you in terms of receiving your donations. Please understand that we are trying to deliver necessary supplies to the residents of Flint in the most efficient and safe way possible, and at

this time, this means that we can not consider your offer. If this directive should change, we will evaluate your offer again and will reach out to coordinate.

Among other reasons, we need to ensure that any item that is distributed in coordination with agencies on the local or state level of government comply with Safe Drinking Water Act regulations, and the most efficient way to do this is by only handling items that are NSF certified. It appears that the items you are looking to donate are not NSF-certified. I am aware that your products might have the same functionality and achieve the same results as NSF-certified filters, but at this time, NSF-certification is the most efficient and fastest way for us to evaluate any product we might distribute.

Again, we very much appreciate your efforts to help the community here, and I wish that we had a more satisfying solution for both sides on this issues.

Best regards,
Henrik Hollaender
MSP/EMHSD

Planning Section
Genesee County EOC

From: Brooke Smith <brooke@clearlyfiltered.com>
Sent: Thursday, January 21, 2016 2:33 PM
To: Hunter, Janet (DHHS)
Subject: Pitcher, Filters and Filtered Water Bottles

Hi Janet,

My name is Brooke Davis and I am part of the team at Clearly Filtered. We are small water filtration company located in Southern California. Our filters are rated to remove 97.5% of lead. We are wanting to help the Flint community with the crisis at hand.

We are asking our customers and communities to help us donate pitchers and filtered water bottles. Please see the link below for more information. Do you have a contact or location for the pitchers and water bottles we collect?

http://www.clearlyfiltered.com/pages/donate-clean-water-to-flint
[http://cdn.shopify.com/s/files/1/1011/0318/t/2/assets/logo.png?7658743562390090173]<http://www.clearlyfiltered.com/pages/donate-clean-water-to-flint>

Donate to Flint - Clearly Filtered<http://www.clearlyfiltered.com/pages/donate-clean-water-to-flint>
www.clearlyfiltered.com
In case you haven't heard: "Nearly two years ago, the state decided to save money by switching Flint's water supply from Lake Huron (which they were paying th

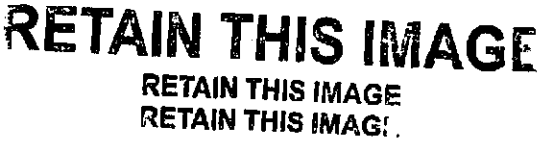
http://www.clearlyfiltered.com/products/clean-water-pitcher
http://www.clearlyfiltered.com/products/stainless-steel-filter-bottle

I can be reached directly at 949-290-4833.

Thanks very much!

Brooke Davis

Clearly Filtered™
1-877-876-2740<tel:1-877-876-2740>
http://www.ClearlyFiltered.com<http://www.clearlyfiltered.com/>
http://www.Facebook.com/ClearlyFiltered<http://www.facebook.com/ClearlyFiltered>



Eickholt, Jay (MSP)

From: FEDERALSEOC
Sent: Thursday, January 21, 2016 4:35 PM
To: Eickholt, Jay (MSP)
Subject: iPad Tracking
Attachments: Book1.xlsx

Hi Jay,

Attached is my rough iPad tracking sheet. If the additional pads that were given to the PODs came from the original 90 – they are all accounted for. I thought the 30 that were requested yesterday were already there and you had given 2-3 of those to the PODs but just heard they are still in Lansing.

Let me know if you think otherwise!

Thanks,
Carly

Eickholt, Jay (MSP)

From: FEDERALSEOC
Sent: Thursday, January 21, 2016 3:12 PM
To: Eickholt, Jay (MSP)
Subject: Paper tracking sheets
Attachments: Canvass Team Template - UPDATED for Round 2.xlsx

Hi Jay,

Attached is the updated paper tracking sheet to be used ONLY if the ipads fail. Wanted to make sure someone in the LEOC had it in case it needs to be printed. These are the updated questions for the round 2 door to door canvass.

Thanks,

Carly

Eickholt, Jay (MSP)

From: Galbreath, Wendy (MSP)
Sent: Wednesday, January 20, 2016 2:23 PM
To: Tchorzynski, James (MSP)
Cc: Eickholt, Jay (MSP); MSP-SEOCOPSC
Subject: FW: Flint Apartments in Need of Filters
Attachments: MSHDA Flint Apartments Status Report.xlsx

This is the MSHDA section 8 housing. They have received filters as you can see. They are now saying they didn't receive them. They should be added to the route list, per Inspector Bolger.

From: Mills, Brian (MSHDA)
Sent: Wednesday, January 20, 2016 12:05 PM
To: Galbreath, Wendy (MSP)
Cc: Elsenheimer, Kevin (MSHDA)
Subject: FW: Flint Apartments in Need of Filters

Wendy, per our conversation this morning, attached is a copy of the updated spreadsheet of the filter distribution that MSHDA engaged in Saturday with our notes on each location. This information was given to Mr. Jay Eickholt this weekend.

Should you have any questions or comments, please don't hesitate to contact me.

Please know, as MSHDA offered previously, as highlighted below, MSHDA is more than willing to pay for any costs associated with these filters and or pay for acquiring more.

We have already set aside in escrow some $250,000 for any and all expenses related to costs associated with getting water, filters, and other necessities to tenants. Let us know if you would like a check today to purchase more.

Thank you,

Brian.

Brian Mills
Chief Operating Officer
Michigan State Housing Development Authority (MSHDA)
735 E. Michigan Ave. | Lansing, MI 48912
Office: 517.241.4322 |

From: Mills, Brian (MSHDA)
Sent: Friday, January 15, 2016 9:56 AM
To: MSP-seoclgc <MSP-seoclgc@michigan.gov>; Galbreath, Wendy (MSP) <GalbreathW@michigan.gov>
Cc: Elsenheimer, Kevin (MSHDA) <ElsenheimerK@michigan.gov>
Subject: FW: Flint Apartments in Need of Filters

Wendy,

Thank you for taking my call this morning – I know how busy you must be and I appreciate your attention to this request.

Executive Director Elsenheimer is in Lansing today with a team of staff in work clothes. Considering MSHDA's experience with housing matters, we have a building/maintenance construction staff crew that stands ready to be on the ground today to help our tenants install filters at these properties.

If we're able to get these filters today, we have a fleet of vehicles to transport them to these apartment complexes and begin installing.

If for any reason, you don't think attaining filters is possible today, please let me know so we can make our team aware and let them know when they might be available.

Brian.

Brian Mills
Chief Operating Officer
Michigan State Housing Development Authority (MSHDA)
735 E. Michigan Ave. | Lansing, MI 48912
Office: 517.241.4322 |

From: Mills, Brian (MSHDA)
Sent: Thursday, January 14, 2016 9:03 PM
To: MSP-seoclgc <MSP-seoclgc@michigan.gov>; Galbreath, Wendy (MSP) <GalbreathW@michigan.gov>
Cc: Elsenheimer, Kevin (MSHDA) <ElsenheimerK@michigan.gov>; Brown, Melanie (LARA) <BrownM45@michigan.gov>; Hendges, Jeremy (TED) <HendgesJ@michigan.gov>; 'Lynne Feldpausch (MEDC)' <feldpauschl@michigan.org>
Subject: Flint Apartments in Need of Filters

Dear Outreach Unit Manager Galbreath:

First and foremost, thank you for speaking with me today when I stopped by your office. I appreciate your quick attention to my inquiry.

Pursuant to our follow up conversation later this afternoon, attached (in excel and or as a pdf) is a listing and status report of the various apartment/housing complexes that utilize Flint municipal water that have a direct connection with the State of Michigan through various financing programs associated with the Michigan State Housing Development Authority (MSHDA).

We have outreached to most of these properties and have identified which ones we believe need additional attention by ways of delivery of filters to affected tenants. As I indicated over the phone, we would like to coordinate a team of dedicated state employees from MSHDA that stand ready to pick up and deliver filters to these properties immediately with your permission.

If at all possible, if you could review this list and let me know if and when our team could pick up the filters and deliver them to these units, it would most helpful. Please know that MSHDA is willing to pay for these filters as well if it means getting access to them quicker. We can pick them up wherever is quickest to acquire them.

Look forward to hearing from you tomorrow. Please contact me directly if you have any questions.

Respectfully,

Brian Mills

Brian Mills
Chief Operating Officer
Michigan State Housing Development Authority (MSHDA)
735 E. Michigan Ave. | Lansing, MI 48912
Office: 517.241.4322 |

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Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Tuesday, January 19, 2016 5:17 PM
To: Eickholt, Jay (MSP)
Cc: Galbreath, Wendy (MSP)
Subject: RE: Water Donations
Attachments: Flint Donation plan .docx

Jay

A copy of the Donations Management Plan is attached. Section II.B. and C. discuss drop off procedures. Coordination needs to take place directly with the Warehouse to arrange for drop-offs that meet their timing and load constraits.

State Emergency Operations Center
Logistics Section Chief
517-333-7767

-----Original Message-----
From: Eickholt, Jay (MSP)
Sent: Tuesday, January 19, 2016 4:55 PM
To: MSP-seoclgc
Cc: Galbreath, Wendy (MSP)
Subject: Water Donations

We received a call from . He is asking about how and where he can go about donating 4-5 semi loads of water. This is more water than what the Food Bank can handle at one time. If they can stagger it they may be able to ship it to their sites.

Please advise at the direction we should move. If Clio Road is not going to accept donated water we should look for other long term storage for local agencies to draw from.

-Jay

Eickholt, Jay (MSP)

From: MSP-SEOCGIS2
Sent: Monday, January 18, 2016 8:06 PM
To: Eickholt, Jay (MSP)
Subject: iPad Tablet Instructions
Attachments: Field_Teams_Tablet_Instructions.docx; PODS_Tablet_Instructions.docx

Jay,
Here are some instructions for the iPad and the Collector App. These are for the field teams and PODS.

If the iPads are going to the PODS, use the PODS instructions.

Matt McCormick

Eickholt, Jay (MSP)

From: Briggs, Brianna (MSP)
Sent: Monday, January 18, 2016 8:30 AM
To: Eickholt, Jay (MSP); Pepper, Joel (MSP); Bresler, Amanda (MSP)
Subject: FW: State PA Workshop at NEMA Mid-Year/Please Forward to Your PA Staff

Would any of you be willing or able to attend this for Michigan? If not, I'll see what I can do. It looks like it might only be one night away, but I'm not sure I'm ready for this yet!

Any suggestions to provide? I'm not sure I have anything at this point, but Jay, I'll defer to you to see if you have anything from anything issued while I was gone. I haven't had a good time to review anything.

PS - I've recruited Amanda to be on our PA team! Be nice to her and don't scare her away...please! :)

From: Katarsky, Anthony (MSP)
Sent: Friday, January 15, 2016 2:25 PM
To: Briggs, Brianna (MSP); Eickholt, Jay (MSP); Pepper, Joel (MSP)
Cc: Burger, Penelope (MSP)
Subject: FW: State PA Workshop at NEMA Mid-Year/Please Forward to Your PA Staff

FYI

From: Beverly Bell [mailto:bbell@csg.org]
Sent: Friday, January 15, 2016 2:21 PM
To: Beverly Bell
Subject: State PA Workshop at NEMA Mid-Year/Please Forward to Your PA Staff

State Directors:
There will be a meeting/workshop for state PA staff at the NEMA 2016 Mid-Year Forum at the Hilton Alexandria Mark Center Hotel in Alexandria, VA.
Please forward this email with the link below to your PA staff to help us identify discussion topics for the workshop.
The meeting/workshop will be held on Thursday, April 7, 2016 8:30 am-3 pm. FEMA will be presenting in the morning with the latest updates on the PA re-engineering effort. The afternoon will be for state PA staff only. The first discussion topic will be a review of FEMA's presentation. We'll have time for 2-3 other agenda items before adjourning at 3 pm. This will allow staff to fly out that afternoon or evening.

If you're a state PA staff member, click on the link to take the workshop survey and make your topic suggestions:
https://www.surveymonkey.com/r/SuggestedPAWorkshopTopics

More details about the workshop to follow.

Thank you,
Beverly

Beverly Bell
Policy and Program Manager
National Emergency Management Association
P: 859.244.8112
F: 859.244.8239

bbell@csg.org

MID-YEAR FORUM
NEMA | ALEXANDRIA VA
APRIL 3-7, 2016

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Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Friday, January 15, 2016 8:00 PM
To: Nobach, Tonya (MSP); Galbreath, Wendy (MSP); Covey, Gabriel (MSP); Hampton, Jacqueline (MSP); Burger, Penelope (MSP); Downs, Nancy (MSP); Jenness, Kevin (MSP); Briggs, Brianna (MSP); Georgopoulos, Carly (MSP); Davis, Kristi (MSP); Yount, Jane (MSP); Law, Richard (MSP); Bouffard, Donald (MSP); Suarez, Malyssa (MSP); Barcroft, Jaclyn (MSP); McCormick, Matthew (MSP); Chomentowski, Walter (MSP); Tober, Renee (MSP); Hawks, Trevor (MSP); Lisabeth, Nicole (MSP); Leix, Ron (MSP); Banner, Shanon (MSP); Garza, Oralya (MSP); Strobel, Pamela (MSP); Baker, Zachary (MSP); Weber, Thomas (MSP); Jonker-Burke, Samuel (MSP); Bresler, Amanda (MSP); Tchorzynski, James (MSP); Gilsdorf, Michelle (MSP); McCarthy, Joyce (MSP); Kuzera, Michelle (MSP); Roach, Billie Jo (MSP); Decastro, Michael (MSP); Eickholt, Jay (MSP); Hollaender, Henrik (MSP); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Cc: MSP-SEOCOPSC
Subject: SEOC Staffing through 1/31/16
Attachments: SEOC Schedule week of 1_16 thru 1_31_16_Final (2).xlsx

Good evening,

Attached is the list of staff assigned to work in the SEOC through 1/31/16. The hours are 8 a.m. to 8 p.m. Lunch and dinner will be provided. As always, business casual attire is appropriate. No jeans for EMHSD staff.

For Fiscal, your names are not on this schedule but I know it has been worked out within the section for the appropriate staff to cover.

Thanks,

Penny

State Emergency Operations Center
Logistics Section Chief
517-333-7767

Eickholt, Jay (MSP)

From: Hollaender, Henrik (MSP)
Sent: Thursday, January 14, 2016 9:14 PM
To: MSP-SEOCOPSC; plangc; MSP-seoclgc; MSP-seocda1; MSP-seocda2; Eickholt, Jay (MSP)
Subject: Last Fire Station POD count
Attachments: 01_14 fs pods_last count.xlsx

All,

For your awareness, I attached the last count from the Fire Station PODs from 01/14/2016.
I marked low supplies that have been identified as critical (water, testkits, faucet filters) in red to indicate what should be stocked as early as possible in the morning.

Eickholt, Jay (MSP)

From: MSP-seocda2
Sent: Thursday, January 14, 2016 5:59 PM
To: MSP-SEOC11; shawn.scott-fitzgera@service.redcross.org; Robert.Gaskill-Clemons@redcross.org; Lauren.Twohig@redcross.org; MSP-seoclgc; Wolf, Jennifer (DNR); MSP-seocda1; plangc; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); MSP-SEOC5; shawn.scott-fitzgera@service.redcross.org; Johnson, Michael (MSP)
Cc: Strobel, Pamela (MSP)
Subject: RE:
Attachments: Distribution Operations Plan V1.2_01.14.16_SAM.docx

Attached are my notes.

Sam

From: MSP-SEOC11
Sent: Thursday, January 14, 2016 1:42 PM
To: shawn.scott-fitzgera@service.redcross.org; Robert.Gaskill-Clemons@redcross.org; Lauren.Twohig@redcross.org; MSP-seoclgc; MSP-seocda2; Wolf, Jennifer (DNR); MSP-seocda1; plangc; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); MSP-SEOC5; shawn.scott-fitzgera@service.redcross.org; Johnson, Michael (MSP); MSP-SEOC11
Cc: Strobel, Pamela (MSP)
Subject:
Importance: High

Distribution Team:

Please see attached Distribution Operations Plan 1.0 that was discussed in our 10:30 a.m. meeting today. Review with track changes on and send back to me and I will submit to Lauren all edits into one clean document. I would like your edited copy by 5 p.m. today.

Please add to your edited document: name, position, and all contact information.

The conference call with the team will be conducted each day at 10:30 a.m. and 7 p.m.

Conference call information:

If you are asked to email me (Pam Strobel) for SEOC information, donations, updates, tasks, etc., from this time forward please use the following email address: MSP-SEOC11@michigan.gov, this is the designated email address for my position, which is now the SEOC Logistics Order Unit Leader.

If you have any questions, please ask.

Thank you,
Pam Strobel
TX: 517-324-2340

Eickholt, Jay (MSP)

From: MSP-SEOC11
Sent: Thursday, January 14, 2016 1:42 PM
To: shawn.scott-fitzgera@service.redcross.org; Robert.Gaskill-Clemons@redcross.org; Lauren.Twohig@redcross.org; MSP-seoclgc; MSP-seocda2; Wolf, Jennifer (DNR); MSP-seocda1; plangc; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); MSP-SEOC5; shawn.scott-fitzgera@service.redcross.org; Johnson, Michael (MSP); MSP-SEOC11
Cc: Strobel, Pamela (MSP)
Attachments: Distribution Operations Plan V1.2_01.14.16.docx

Importance: High

Distribution Team:

Please see attached Distribution Operations Plan 1.0 that was discussed in our 10:30 a.m. meeting today. Review with track changes on and send back to me and I will submit to Lauren all edits into one clean document. I would like your edited copy by 5 p.m. today.

Please add to your edited document: name, position, and all contact information.

The conference call with the team will be conducted each day at 10:30 a.m. and 7 p.m.

Conference call information:

If you are asked to email me (Pam Strobel) for SEOC information, donations, updates, tasks, etc., from this time forward please use the following email address: MSP-SEOC11@michigan.gov, this is the designated email address for my position, which is now the SEOC Logistics Order Unit Leader.

If you have any questions, please ask.

Thank you,
Pam Strobel
TX: 517-324-2340

Eickholt, Jay (MSP)

From: Downs, Nancy (MSP)
Sent: Wednesday, January 13, 2016 9:04 AM
To: MSP-EMHSD-Division
Subject: RE: Coding for City of Flint Water Contamination incident
Attachments: DCDS Hours Entry by Coding Block.docx

Good Morning,

Attached are the guidelines for entering your time in DCDS by coding block for those of you that are working **overtime** for the City of Flint Contamination/Shortage event. Please use **Index 28900 with PCA 28670** for overtime worked for this event. Do not use these codes for your regular hours.

Please contact one of the division timekeepers if you need additional guidance in entering the special codes for recording your overtime worked on this special event. Division timekeepers are Michelle Gilsdorf, Richard Sheaffer, and Nancy Downs.

Thank you,
Nancy

From: Burger, Penelope (MSP)
Sent: Wednesday, January 06, 2016 1:17 PM
To: MSP-EMHSD-Division
Cc: MSP-SEOCOPSC; MSP-seocfgc; MSP-seoclgc
Subject: Coding for City of Flint Water Contamination incident

Good Afternoon:

For any **overtime hours** spent working in the SEOC with the City of Flint Water Contamination/Shortage event, please use the following coding:

Index 28900 with PCA 28670

Any **non-payroll** costs (travel, SEOC meals during activation, etc.) should be coded to:

Index 28900 with PCA 28671.

These codes are not yet active in DCDS but will be by the end of the week. Please let me know if you have any questions.

Thanks,
Penny

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police
Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046

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Eickholt, Jay (MSP)

From: MSP-SEOC7
Sent: Monday, January 11, 2016 8:01 PM
To: Hollaender, Henrik (MSP); Eickholt, Jay (MSP); Kuzera, Michelle (MSP)
Subject: Water Pickups for Morning of 1-12-16
Attachments: 1-12-15-Morning-Water-Pickup.xlsx

Please see attached. Drivers should provide the account number at the Burton store. Call if you have issues or questions.

Robb Morford

Eickholt, Jay (MSP)

From: MSP-SEOC10
Sent: Monday, January 11, 2016 5:59 PM
To: Eickholt, Jay (MSP)
Subject: Updated form
Attachments: FlintParcelData-2.xlsx

Hi Jay,

Please print this form instead of the first one I sent. Capt. had us add a column.

Thanks,
Kristi

Eickholt, Jay (MSP)

From: MSP-SEOC10
Sent: Monday, January 11, 2016 5:33 PM
To: Eickholt, Jay (MSP)
Subject: Neighborhood Tracking Form
Attachments: FlintParcelData-2.xlsx

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Eickholt, Jay (MSP)

From: MSP-SEOC10
Sent: Monday, January 11, 2016 1:33 PM
To: Walter, Audrey (MSP); Day, Kari (MSP); Jonker-Burke, Samuel (MSP); Frese, Jodie (MSP); Sekmistrz, Nicholas (MSP)
Cc: Eickholt, Jay (MSP); Briggs, Brianna (MSP)
Subject: Vehicles to Flint
Attachments: *Directions.pdf*

Thank you so much for volunteering to help take vehicles to Flint.

You will all take one car to the training center to pick up the keys to 2 Suburbans and 2 Crew Cab Trucks. The car that drives to the Training Center will follow the 4 vehicles to Flint and bring everyone back...hopefully you can trust that person not to leave you in Flint ☺...select your trusted person wisely.

The address is 2727 Lippincott Blvd., Flint, MI Attached are the directions from the Training Center.
It is the Genesee County Community Action Resource Department location.

Sam, please grab the keys from Joyce and meet everyone else in the lobby.

Please notify your supervisor upon your return.

Thanks,
Carly and Kristi

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Sunday, January 10, 2016 6:07 PM
To: Kelenske, Chris (MSP); Yount, Jane (MSP); Lisabeth, Nicole (MSP); Hawks, Trevor (MSP); Hampton, Jacqueline (MSP); Covey, Gabriel (MSP); Briggs, Brianna (MSP); Davis, Kristi (MSP); Georgopoulos, Carly (MSP); Barcroft, Jaclyn (MSP); Gilsdorf, Michelle (MSP); Weber, Thomas (MSP); Bresler, Amanda (MSP); Baker, Zachary (MSP); Tchorzynski, James (MSP); Anderson, Nikkia (MSP); Kuzera, Michelle (MSP); McCormick, Matthew (MSP); Chomentowski, Walter (MSP); Hollaender, Henrik (MSP); Eickholt, Jay (MSP); McCarthy, Joyce (MSP); Nobach, Tonya (MSP)
Cc: MSP-SEOCOPSC; MSP-seoclgc; plangc; Katarsky, Anthony (MSP)
Subject: SEOC Schedule for Jan. 11-15
Attachments: SEOC Schedule.xlsx

Importance: High

Good afternoon,

If you are receiving this email, it is because you have been assigned to work in the SEOC this week for the Flint Water Emergency. Attached is the staff assignment list. Please find your name and report to your assignment at 8 a.m. tomorrow (1/11) morning. The hours are 8 a.m. to 5 p.m. Lunch will be provided.

Thank you,

Wendy

Eickholt, Jay (MSP)

From: Edward Burger <eburger@MTAFLINT.ORG>
Sent: Friday, February 12, 2016 5:19 PM
To: Eickholt, Jay (MSP)
Subject: RE: Genesee County EOC
Attachments: Scanned from a Xerox Multifunction Device; Scanned from a Xerox Multifunction Device

Hi Jay,

See attached emails - they contain the electronic scans of the filter paperwork.

Regards,

Edward G Burger
Director of Paratransit Operations and Information Technology Services Mass Transportation Authority
1401 S. Dort Hwy
Flint, MI 48503
Phone: (810) 780-8812
Fax: (810) 767-6580

-----Original Message-----
From: Eickholt, Jay (MSP) [mailto:EickholtJ1@michigan.gov]
Sent: Thursday, February 11, 2016 9:25 AM
To: Edward Burger
Subject: FW: Genesee County EOC

Good Morning Ed,

Do you have a collection of addresses for the filters that have been distributed? If they're hard copy I can head over and pick them up, if they're electronic or can be scanned I can take them at this e-mail.

Thanks,
Jay

From: Kuzera, Michelle (MSP)
Sent: Wednesday, February 10, 2016 5:08 PM
To: Heintzelman Shasta; Eickholt, Jay (MSP)
Cc: Schaefer, Scott (DEQ)
Subject: FW: Genesee County EOC

Can someone follow up with Ed. He was tracking filters that he delivered. Not sure it matters now but we might as well collect what he has.

From: Edward Burger [mailto:eburger@MTAFLINT.ORG]
Sent: Saturday, January 23, 2016 4:54 PM
To: Kuzera, Michelle (MSP)
Subject: RE: Genesee County EOC

Yes we have about 30 done. A lot of people had already received one.
We have the paperwork for those given out.

The truck never came. If the truck pallet jack has rubber wheels we can unload it to the transfer center really quick. If it doesn't the steel
wheels will destroy the flooring at the transfer center. If you can
find that out we will know whether we need volunteers to unload it.

Thanks

Ed

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "Kuzera, Michelle (MSP)"
Date:01/23/2016 4:33 PM (GMT-05:00)
To: Edward Burger
Subject: RE: Genesee County EOC

Ed,

Can I pick up these tracking sheets sometime?

We'd like to get these into our overall system.

Also, I was just informed that the truck broke down a few days ago and I don't believe you received the 10 pallets of water requested?

Michelle Kuzera
Local Planning Manager
Emergency Management & Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517)333-5017
Fax: (517)333-4987

From: Edward Burger [mailto:eburger@MTAFLINT.ORG]
Sent: Thursday, January 14, 2016 11:43 AM
To: Kuzera, Michelle (MSP)
Subject: RE: Genesee County EOC

Hi Michelle,

I will have our East Flint Manager Dennis Maxheimer arrange for the pickup of the supplies today. Are the tracking sheets with the supplies?

Thanks,

Edward G Burger
Director of Paratransit Operations and Information Technology Services Mass Transportation Authority
1401 S. Dort Hwy
Flint, MI 48503
Phone: (810) 780-8812
Fax: (810) 767-6580

From: Kuzera, Michelle (MSP) [mailto:KuzeraM@michigan.gov]
Sent: Thursday, January 14, 2016 11:13 AM
To: Edward Burger
Subject: RE: Genesee County EOC

Ed,

I have verified that all the supplies you need are set aside at GCCARD for you.

Can you please let me know when you plan on picking that up? It would be great if we could pick up the tracking sheets afterwards. We are compiling one large database of all the filters that have been delivered.

Michelle Kuzera
Local Planning Manager
Emergency Management & Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517)333-5017
Fax: (517)333-4987

From: Edward Burger [mailto:eburger@MTAFLINT.ORG]
Sent: Wednesday, January 13, 2016 8:06 PM
To: Kuzera, Michelle (MSP)
Subject: RE: Genesee County EOC

Hi Michelle,

Got it. Also confirming we will have two buses to assist at 8 am tomorrow.

Any questions don't hesitate to call.

Ed

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "Kuzera, Michelle (MSP)"
Date:01/13/2016 7:31 PM (GMT-05:00)
To: Edward Burger
Subject: RE: Genesee County EOC

Hi Ed,

I do have a stock set aside at the 2727 Lippincott Blvd. GCCARD location.

It is available for pick up whenever you are ready to begin home deliveries. The contact at the facility is Shawn Scott-Fitzgerald with the American Red Cross/1-563-663-2672. We also have tracking sheets that need to track which homes have been visited and returned to the local EOC somehow so they can get entered into the overall database.

Please let me know that you've received this email.

Michelle Kuzera
Local Planning Manager
Emergency Management & Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517)333-5017
Fax: (517)333-4987

From: Edward Burger [mailto:eburger@MTAFLINT.ORG]
Sent: Wednesday, January 13, 2016 1:58 PM
To: Kuzera, Michelle (MSP)
Subject: RE: Genesee County EOC

Hi Michelle,

Thanks for the info. Judy informed me that you called regarding the Your Ride clients that still need filter. We'll be glad to do the initial delivery and then hold off as requested.

For the 2-1-1, we'll get the passengers to the distribution centers located along the designated fixed routes. The passengers just need to let the driver know that is their intention and we will not collect the fares and will just log the count of passengers riding for the water supplies.
MTA added the 5 requested Water distribution sites as stops along the following fixed routes: Fenton, ML King, Franklin, Dupont and South Saginaw.
We are ready and willing to help - please don't hesitate to ask for assistance as needed.

Thanks again,

Edward G Burger
Director of Paratransit Operations and Information Technology Services Mass Transportation Authority
1401 S. Dort Hwy
Flint, MI 48503
Phone: (810) 780-8812
Fax: (810) 767-6580

From: Kuzera, Michelle (MSP) [mailto:KuzeraM@michigan.gov]
Sent: Wednesday, January 13, 2016 10:25 AM
To: Edward Burger

Subject: Genesee County EOC

Hi Ed,

I am just following up our earlier call. I have let our Joint Information Center know that the MTA has included the 5 fire stations in the bus routes. This information will be provided to 211.

I have also let Jay Eickholt know that I'll be the main point of contact for MTA.

I am following up on the supplies, we will get a stock set aside and then I can coordinate pick up with you. We are receiving a lot of supplies today.

I am also going to speak with the sheriff's department about the calls received regarding home deliveries.

Please contact me at if you need anything.

Thank you so much for your support,

Michelle Kuzera
Local Planning Manager
Emergency Management & Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517)333-5017
Fax: (517)333-4987

Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Friday, February 12, 2016 2:54 PM
To: Hollaender, Henrik (MSP)
Cc: Eickholt, Jay (MSP)
Subject: FW: Updated UCG Flint Speakers Bureau Log as of 2-12-16
Attachments: Speakers Bureau Flint Water Response_2-12-16.xlsx

Lt. Mark A. Russo
District 6 Coordinator
Emergency Management and
Homeland Security Division
Michigan State Police
345 Northland Drive NE
Rockford MI 49341
TX: 616-866-6665

Fax: 616-866-3997

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Chandler, Jacqueline [mailto:Jacqueline.Chandler@fema.dhs.gov]
Sent: Friday, February 12, 2016 8:43 AM
To: IRCT1.PLANS (HHS/ASPR); Aiken, Matthew (OS/ASPR/OEM); Maddry, Lisa (OS/ASPR/OEM); Fulk, Deborah; Huffman, Dwayne; Goldblatt, Andrew G; HHS; julian.jaime@epa.gov; Scott, Linda (DHHS); Scott, Jackie (DHHS); aswartout@gchd.us; Sygo, Jim (DEQ); tamara.larma@fns.usda.gov; bruce.hillman@fns.usda.gov; UNGER.louann@epa.gov; R5EOC@EPA.GOV; IRCT1.CMO (HHS/ASPR); CDeVriendt@co.genesee.mi.us; PHAST.Leader (HHS/ASPR/OEM); IRCT1.LNO (HHS/ASPR); Formanski, Stephen (OS/ASPR/OEM); Skammer@cityofflint.com; Becky Geyer; IRCT1.LOGS (HHS/ASPR); IRCT1.ANF (HHS/ASPR); IRCT1.OPS (HHS/ASPR); Wulfkuhle, Gustav; Mobley, Donald; Voirin, Anthony (OS/ASPR/OEM); durno.mark; Denis, Patrick (OS/ASPR/OEM); Gwathney, Jamal (OS/ASPR/OEM); IRCT1.CMDR (HHS/ASPR); Eckes, Jeanne; Macqueen, Mary (DHHS); Fletcher, Vista (USDA); Bowman, Thomas (OS/ASPR/OEM); Roach, Pamela K; philfarabaugh@yahoo.com; Goodson, Ryan (HHS/); Garriga, Gabriel; Beardsley, Brett; Sheets, Erin (HHS/ASPR) (CTR); Michael, Gretchen (OS/ASPR/COO); michael.l.polsinelli@hud.gov; Riley, Warren; Kuzera, Michelle (MSP); Zuelke, Earl; tim.english@fns.usda.gov; elgethun.kai@epa.gov; Mason, Byron; Diana Hadzibegovic; Kershner, William (HHS/ASPR) (CTR); tamara.larma@fns.usda.gov; bruce.hillman@fns.usda.gov; sandra.macmartin@fns.usda.gov; Waites, Kesha; IRCT1.LNO (HHS/ASPR); IRCT1.FUSN (HHS/ASPR); Pearson-Clarke, Rosemary P. (CDC/ONDIEH/NCEH) (CTR); Smith, Jason (DHHS); Feighner, Bryce (DEQ); Gibbons, John (OS/ASPR/OEM); Funk, Renee (CDC/NIOSH/OD); kelley.jeff@epa.gov; Russo, Mark (MSP); david.gutierrez@redcross.org; robert.gaskill-clemons@redcross.org; Formanski, Stephen (OS/ASPR/OEM); IRCT1.CMO (HHS/ASPR); lam.shelly@epa.gov; Bermingham, John (CDC/OPHPR/DEO); Kelly, Brian; d.iacobazzi@yahoo.com
Subject: Updated UCG Flint Speakers Bureau Log as of 2-12-16

Good Morning. The updated UCG Flint Speaker Bureau log of events, meetings, outreach, etc. is attached. Reminder to send us the events that you are hearing about or invited to attend. Send that information to irct1.lno@hhs.gov

Thanks,

Jacqueline Sue Aguigui Chandler
External Affairs - UCG Flint
Public & External Affairs Task Force (PEATF)
jacqueline.chandler@fema.dhs.gov
[illegible])

From: IRCT1.PLANS (HHS/ASPR) [mailto:IRCT1.PLANS@hhs.gov]
Sent: Wednesday, February 10, 2016 4:44 PM
To: Aiken, Matthew (OS/ASPR/OEM); Maddry, Lisa (OS/ASPR/OEM); Fulk, Deborah; Huffman, Dwayne; Goldblatt, Andrew G; HHS; julian.jaime@epa.gov; Scottl12@michigan.gov; scottj14@michigan.gov; aswartout@gchd.us; sygoj@michigan.gov; tamara.larma@fns.usda.gov; bruce.hillman@fns.usda.gov; UNGER.louann@epa.gov; R5EOC@EPA.GOV; IRCT1.CMO (HHS/ASPR); CDeVriendt@co.genesee.mi.us; PHAST.Leader (HHS/ASPR/OEM); IRCT1.LNO (HHS/ASPR); Formanski, Stephen (OS/ASPR/OEM); Skammer@cityofflint.com; Becky Geyer; IRCT1.LOGS (HHS/ASPR); IRCT1.ANF (HHS/ASPR); IRCT1.OPS (HHS/ASPR); Wulfkuhle, Gustav; Mobley, Donald; Voirin, Anthony (OS/ASPR/OEM); IRCT1.PLANS (HHS/ASPR); durno.mark; Denis, Patrick (OS/ASPR/OEM); Gwathney, Jamal (OS/ASPR/OEM); IRCT1.CMDR (HHS/ASPR); Eckes, Jeanne; macqueenm@michigan.gov; Fletcher, Vista (USDA); Bowman, Thomas (OS/ASPR/OEM); Roach, Pamela K; philfarabaugh@yahoo.com; Goodson, Ryan (HHS/); Garriga, Gabriel; Beardsley, Brett; Sheets, Erin (HHS/ASPR) (CTR); Chandler, Jacqueline; Michael, Gretchen (OS/ASPR/COO); michael.l.polsinelli@hud.gov; Riley, Warren; kuzeram@michigan.gov; Zuelke, Earl; tim.english@fns.usda.gov; elgethun.kai@epa.gov; Mason, Byron; Diana Hadzibegovic; Kershner, William (HHS/ASPR) (CTR); tamara.larma@fns.usda.gov; bruce.hillman@fns.usda.gov; sandra.macmartin@fns.usda.gov; Waites, Kesha; IRCT1.LNO (HHS/ASPR); IRCT1.FUSN (HHS/ASPR); Pearson-Clarke, Rosemary P. (CDC/ONDIEH/NCEH) (CTR); smithj20@michigan.gov; feighnerb@michigan.gov; Gibbons, John (OS/ASPR/OEM); Funk, Renee (CDC/NIOSH/OD); kelley.jeff@epa.gov; russom3@michigan.gov; david.gutierrez@redcross.org; robert.gaskill-clemons@redcross.org; Formanski, Stephen (OS/ASPR/OEM); IRCT1.CMO (HHS/ASPR); lam.shelly@epa.gov; Bermingham, John (CDC/OPHPR/DEO); Kelly, Brian; d.iacobazzi@yahoo.com
Subject: UCG Flint Situational Summary 02-10-2016

UCG Flint
Planning Section

Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Friday, February 12, 2016 2:31 PM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hello Jay,

Attached you will find the spreadsheet for our water filter distribution for 2/10/16 – 2/11/16.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: Schaefer, Scott (DEQ)
Sent: Friday, February 12, 2016 12:22 PM
To: Eickholt, Jay (MSP)
Subject: FW: Couple things
Attachments: RE: Boil water advisory adds to confusion over how to make Flint tap water safe to drink | Michigan Radio

FYI

Scott Schaefer
DEQ – RRD
Newberry Field Office
906-293-5131, ext. 4301
schaefers2@michigan.gov

-----Original Message-----
From: Feighner, Bryce (DEQ)
Sent: Friday, February 12, 2016 12:17 PM
To: Ducharme, Mark (DEQ); Schaefer, Scott (DEQ)
Subject: FW: Couple things

Heads up...there may be a demand for more cartridges

-----Original Message-----
From: Feighner, Bryce (DEQ)
Sent: Friday, February 12, 2016 12:13 PM
To: Macqueen, Mary (DHHS); durno.mark@epa.gov; Kuzera, Michelle (MSP); Wells, Eden (DHHS)
Subject: RE: Couple things

Please see attached regarding handouts used during DEQ home visits. I will pick up hard copies of the handouts not immediately available electronically and bring them tomorrow (or perhaps pdf them and email them tonight).

Regarding EPA, DEQ and City figuring out the best statement regarding what to do when boil water order lifted, the message that cartridges need to be replaced after the boil water advisory has been lifted has now been distributed so widely that it would be impossible to correct, and it would be confusing. This message to replace filter cartridges is on our www.michigan.gov/flintwater website, EPA's website, media articles, etc. The positive side of continuing with the same message if that there are plenty of cartridges in stock and many cartridges will be due to be changed soon. The negative side is that the directive implies the water supply was contaminated with bacteria. Regardless, I now think we need to continue with the same message.

-----Original Message-----
From: Macqueen, Mary (DHHS)
Sent: Friday, February 12, 2016 10:26 AM
To: Feighner, Bryce (DEQ); durno.mark@epa.gov
Subject: FW: Couple things

Importance: High

Questions from Dr. Wells. Mary

Mary Macqueen, B.S., M.S.A
PHEP Manager
Bureau of EMS, Trauma and Preparedness
Division of Emergency Preparedness and Response
201 Townsend Street
Lansing, MI 48913

Phone: 517-335-9401

macqueenm@michigan.gov

-----Original Message-----
From: Wells, Eden (DHHS)
Sent: Friday, February 12, 2016 10:25 AM
To: Wheaton, Bob (DHHS) <WheatonB@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Brown, Melanie (DEQ) <BrownM45@michigan.gov>
Cc: Macqueen, Mary (DHHS) <MacqueenM@michigan.gov>
Subject: Couple things

Still we need to find out what documents are being left at people's home by DEQ teams.

Also- talking with Dr. Mona do Nick here at FWICC, even if microbial studies negative in second round would not cartridges need to be replaced and aerators cleaned due to trapped air disrupting the scale in the lines? JIC, EPA, DEQ and City can figure out best statement regarding what to do when boil water order lifted?

Sent from my iPhone

Eickholt, Jay (MSP)

From: Schaefer, Scott (DEQ)
Sent: Friday, February 12, 2016 8:03 AM
To: Eickholt, Jay (MSP)
Cc: Kuzera, Michelle (MSP)
Subject: FW: Information for the Chamber of Commerce
Attachments: Lead in Water Info Sheet - 2016.01.21.pdf

Jay,

This seems to be a logistics request. Can you help these people out? Thanks.

Scott Schaefer
DEQ – RRD
Newberry Field Office
906-293-5131, ext. 4301
schaefers2@michigan.gov

From: Kuzera, Michelle (MSP)
Sent: Thursday, February 11, 2016 12:49 PM
To: Schaefer, Scott (DEQ); cdefrain@flintandgenesee.org
Subject: Information for the Chamber of Commerce

Good morning,

I received information from the US Health and Human Services Department that Mona Murphy from the Chamber of Commerce would like some flyers to pass out in the building.

Cheryl – do you have any further information on this?

Scott – can you work with Cheryl and show what type of flyers we have available on MI CIMS on the Public Information Documents board? I've attached one flyer here that may work.

Once flyers are selected can you get them printed and provide me an update?

Michelle Kuzera
PLEASE NOTE: Effective **February 1, 2016**, the **State and Local Support Section/Emergency Management and Homeland Security Division** are moving.

My new contact information will be:

Phone: 517-284-3965
Fax: 517-284-3857
Physical Address:
7150 Harris Drive
Dimondale Michigan 48821

Mailing Address:
PO Box #30634
Lansing, MI 48909

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Eickholt, Jay (MSP)

From: Veeser, Chad (DHHS)
Sent: Friday, February 12, 2016 6:27 AM
To: Eickholt, Jay (MSP); Heintzelman Shasta
Subject: FW: PUR Filter Tracking Sheet from Flint
Attachments: Tracking Sheets from Hasselbring Community Center on 2-10-16.pdf

FYI

From: Gabriel, Ashley (NYC-DVR) [mailto:AGabriel@devriesglobal.com]
Sent: Thursday, February 11, 2016 6:17 PM
To: Veeser, Chad (DHHS)
Cc: Serrano, Erin (NYC-DVR)
Subject: PUR Filter Tracking Sheet from Flint

Hi Chad – Attached please find the filter tracking sheets from the Hasselbring Community Center on 2/10. We'll send the tracking sheets from the Brennan Community Center ASAP.

Thanks!
Ashley

Ashley Gabriel | Senior Account Executive | **DEVRIES GLOBAL** | 909 Third Avenue, New York, NY 10022 | p: 212.546.8524 | agabriel@devriesglobal.com

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This message contains information which may be confidential and privileged. Unless you are the intended recipient (or authorized to receive this message for the intended recipient), you may not use, copy, disseminate or disclose to anyone the message or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail, and delete the message.

Thank you very much

Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Thursday, February 11, 2016 4:48 PM
To: Hollaender, Henrik (MSP); Eickholt, Jay (MSP)
Subject: Fwd: Flint Water Response Stakeholder List as 2-11-2016
Attachments: Flint Water Response Faith-based Org and Community Partners.xlsx; ATT00001.htm

Begin forwarded message:

> **From:** "K. Sean Waites" <seanwaites@hotmail.com>
> **Date:** February 11, 2016 at 4:20:31 PM EST
> **To:** "Russo, Mark (MSP)" <RussoM3@michigan.gov>, "jacqueline.chandler@fema.dhs.gov" <jacqueline.chandler@fema.dhs.gov>
> **Subject: Flint Water Response Stakeholder List as 2-11-2016**
>
> Mark,
>
> Thank you for all of your support and assistance. Please find attached a list of Stakeholders, Community Partners and Faith based organizations complied from the American Red Cross, the list you provided, and by way of my on-line research. Some of these contacts may repeat and be duplicative. However, its the master comprehensive list.
>
> I have enjoyed working with you. Please reach out if I can be of further assistance.
>
> Kesha

Eickholt, Jay (MSP)

From: Eickholt, Jay (MSP)
Sent: Wednesday, February 10, 2016 11:42 AM
To: plangc
Cc: MSP-seocda2
Subject: Fwd: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx; ATT00001.htm

Jay Eickholt
MSP/EMHSD

Sent from my iPhone

Begin forwarded message:

> **From:** "Holbrook, Alana" <Alana_Holbrook@cable.comcast.com>
> **Date:** February 10, 2016 at 11:39:25 AM EST
> **To:** "Eickholt, Jay (MSP)" <EickholtJ1@michigan.gov>
> **Cc:** "Dingler, Mike" <Mike_Dingler@cable.comcast.com>
> **Subject: Flint Water Filter Distribution**
>
> Hello Jay,
>
> Attached you will find the spreadsheet for our water filter distribution for 2/5/16 – 2/9/16.
>
> Please let me know if you have any questions/concerns
>
> Thank you so much,
>
> **Alana Holbrook**
> Flint Technical Admin
> 3008 Airpark Dr. S
> Flint, MI 48507
> Office: (810) 235-7626
>
> Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Wednesday, February 10, 2016 11:39 AM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hello Jay,

Attached you will find the spreadsheet for our water filter distribution for 2/5/16 – 2/9/16.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: MSP-EOC-MDEQ
Sent: Tuesday, February 09, 2016 4:49 PM
To: Schaefer, Scott (DEQ); Ducharme, Mark (DEQ); Eickholt, Jay (MSP)
Cc: MSP-EOC-MDCH; MDEQ-ECC-IMT
Subject: FW: residential lead >100 ppb
Attachments: 020916pm.pdf

This afternoon's high lead results....

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: Pieper, Julia (DEQ)
Sent: Tuesday, February 09, 2016 4:44 PM
To: Browne, Elizabeth (DEQ); Diane Russell (EPA) (russell.diane@epa.gov); Dykema, Linda D. (DHHS); Gulch, Jon (EPA); Henry,James; Johnson, Mark (CDC); Kelly, Brian; Krisztian, George (DEQ); Lippert, Jeffrey; MSP-EOC-MDEQ; Ritchey, Matthew (CDC/ONDIEH/NCCDPHP)
Subject: residential lead >100 ppb

Flint More Than 100 PPB

SAMPNO	ACODE	ANALYTE	RESULT	INVADD1	INVADD2	INVADD3	SSTATUS	LOCCODE
LG10007	PB	Lead	0.162		FLINT	48503	R	FLINT_LEAD_TEST
LG10244	PB	Lead	0.168		FLINT	48507	R	FLINT_LEAD_TEST
LG10261	PB	Lead	0.671		FLINT	48504	R	FLINT_LEAD_TEST
LG10263	PB	Lead	0.184		FLINT	48504	R	FLINT_LEAD_TEST
LG10489	PB	Lead	0.766		FLINT	48504	R	FLINT_LEAD_TEST
LG10756	PB	Lead	0.103		FLINT		R	FLINT_LEAD_TEST
LG10784	PB	Lead	0.127		FLINT	48503	R	FLINT_LEAD_TEST

Flint More Than 100 PPB								
SAMPNO	ACODE	ANALYTE	RESULT	INVADD1	INVADD2	INVADD3	SSTATUS	LOCCODE

There were no MDARD samples > 100 ppb.

Julia Pieper
Drinking Water Coordinator
Organic Sub-Unit Manager
DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
(517)-335-8076 phone
(517)-335-8562 fax

Eickholt, Jay (MSP)

From: MSP-EOC-MDEQ
Sent: Monday, February 08, 2016 6:40 PM
To: Eickholt, Jay (MSP); Schaefer, Scott (DEQ); Ducharme, Mark (DEQ); MSP-EOC-MDCH
Subject: FW: residential samples >100ppb
Attachments: 20816pm.pdf

This version has the sample reports attached...

Mitch

From: Pieper, Julia (DEQ)
Sent: Monday, February 08, 2016 5:26 PM
To: Browne, Elizabeth (DEQ); Diane Russell (EPA) (russell.diane@epa.gov); Dykema, Linda D. (DHHS); Gulch, Jon (EPA); Henry,James; Johnson, Mark (CDC); Kelly, Brian; Krisztian, George (DEQ); Lippert, Jeffrey; MSP-EOC-MDEQ; Ritchey, Matthew (CDC/ONDIEH/NCCDPHP)
Cc: MDARD-MI-FSPR
Subject: residential samples >100ppb

Flint More Than 100 PPB

SAMPNO	ACODE	ANALYTE	RESULT	INVADD1	INVADD2	INVADD3	SSTATUS	LOCCODE
LG09687	PB	Lead	1.844		FLINT	48507	R	FLINT_LEAD_TEST
LG09827	PB	Lead	0.266		FLINT	48505	R	FLINT_LEAD_TEST
LG09902	PB	Lead	0.780		FLINT	48507	R	FLINT_LEAD_TEST
LG09909	PB	Lead	0.235		FLINT		R	FLINT_LEAD_TEST
LG10055	PB	Lead	0.114		FLINT	48505	R	FLINT_LEAD_TEST
LG10155	PB	Lead	0.104		BURTON	48529	R	FLINT_LEAD_TEST
LG10196	PB	Lead	0.401		FLINT	48505	R	FLINT_LEAD_TEST
LG10470	PB	Lead	0.203		FLINT	48503	R	FLINT_LEAD_TEST

There were no MDARD samples reported this afternoon.

Julia Pieper
Drinking Water Coordinator

Organic Sub-Unit Manager
DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
(517)-335-8076 phone
(517)-335-8562 fax

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Eickholt, Jay (MSP)

From: plangc
Sent: Monday, February 08, 2016 3:24 PM
To: Eickholt, Jay (MSP)
Cc: MSP-seocda2
Subject: FW: Distribution
Attachments: Water Distribution Schedule.xlsx

Jay,

Do you know if these resources are just from donations that Food Bank has received or are we providing them with resources?

Amanda

From: Weber, Thomas (MSP)
Sent: Monday, February 08, 2016 1:43 PM
To: Moran, Regina; plangc
Subject: FW: Distribution

Here is a listing of Food Bank distribution sites with some metrics.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police

Fax: 517-284-3857
PO Box #30634
Lansing, MI 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kara D Ross [mailto:kross@feedingamerica.org]
Sent: Monday, February 08, 2016 12:39 PM
To: Weber, Thomas (MSP)
Subject: FW: Distribution

Good morning Tom-

This is our most current list of distribution with days, times and number of pallets being delivered. Some are multiple days.

Kara-Lyn D. Ross
Vice President, Food Bank of Eastern Michigan
2300 Lapeer Road - Flint, MI 48503 www.fbem.org
810.396.0213 direct / 810.239.4441 main / 810.449.6773 cell

From: Terry Nix
Sent: Tuesday, February 02, 2016 3:00 PM

To: Erin Miller <emiller@feedingamerica.org>
Cc: Mark Crousore <mcrousore@feedingamerica.org>; Tina M Martinez <tmartinez@feedingamerica.org>; Dan Filipovich <dfilipovich@feedingamerica.org>; Daniel D. Filipovich <ddfilipovich@feedingamerica.org>; Kara D Ross <kross@feedingamerica.org>
Subject: Distribution

Erin,
Here is the latest I'm going to try to make some changes on times and schedules I'll talk to you about it.
Also The Tuesday YMCA, St. Paul and Metropolitan I will be looking at.

Terry Nix
Director of Transportation
Fresh Produce Soucing
Retail Product Sourcing
Food Bank of Eastern Michigan
Phone - 810-396-0225

Fax - 810-239-4498
tnix@feedingamerica.org

FOOD BANK
of Eastern Michigan

Eickholt, Jay (MSP)

From: MSP-SEOCOPSC
Sent: Monday, February 08, 2016 12:12 PM
To: Roach, Billie Jo (MSP); Eickholt, Jay (MSP); JICManager; MSP-SEOCPIO
Subject: FW: water bill history
Attachments: DOC020816-02082016091956.pdf; DOC020816-02082016092130.pdf

Who can address this water bill issue? I presume it needs to be someone at the local level?

From: MSP-seoclgc
Sent: Monday, February 08, 2016 11:07 AM
To: MSP-SEOCOPSC
Subject: FW: water bill history

Can you handle please? Thanks.

From: Stoken, Laura (GOV)
Sent: Monday, February 08, 2016 10:37 AM
To: MSP-seoclgc
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV); JICManager
Subject: FW: water bill history

Any thoughts on this?

From: Robinson, Judy (GOV)
Sent: Monday, February 08, 2016 10:23 AM
To: Stoken, Laura (GOV) <StokenL@michigan.gov>
Subject: FW: water bill history

I spoke with Mr. Clark. He is concerned with the City of Flint water department over billing. He has lost at least one tenant because of this issue. One tenant, whose water bill should have been 50 to 100 dollars, consistently received bills over 300 dollars. See attached
Another property he owns (currently vacant with the water turned off before the meter) received a one month bill for almost 1000 dollars. Mr. Clark said when he addressed this with the water department they said if he would admit there was a leak they would cut his bill in half. He refused saying all he should have had was the basic service charge as there was no usage.
He named quite a few instances of this happening.
Mr. Clark also suggested that the City of Flint's motive is to tap the business people for all they can because no one else is paying. The local TV station is trying to get him to interview with them.
Mr. Clark also mentioned the local Genesee County Landlords Association (GLA), meets monthly on the first Monday at 7 pm at Walli's East. (So that is tonight, in case someone wants to attend!) GLS is actively working on the City of Flint Water Issue according to their website.

From: Bill Clark [mailto:bill@billclarkrealestate.com]
Sent: Monday, February 08, 2016 9:36 AM
To: Robinson, Judy (GOV) <RobinsonJ31@michigan.gov>
Subject: Fwd: water bill history

Attached are the current water bills and the billing history. If you have any questions please call.

Thank you

Bill Clark

bill@billClarkRealestate.com
4040 E. Bristol rd
Burton, Michigan 48519
Tel +1.810.820.8028

---------- Forwarded message ----------
From: **Angela Florida** <angela@billclarkrealestate.com>
Date: Mon, Feb 8, 2016 at 9:32 AM
Subject: water bill history
To: Bill Clark <bill@billclarkrealestate.com>

--
Best regards,
Angela Florida
Administrative Assistant
Vash Investment Group LLC
4040 E. Bristol Rd
Burton, MI 48519
810-820-8028
Angela@billclarkrealestate.com

Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Monday, February 08, 2016 11:13 AM
To: MSP-SEOCOPSC
Cc: plangc; Roach, Billie Jo (MSP); Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Subject: FW: as requested, stakeholder database and speakers bureau log
Attachments: Flint Water Response Stakeholders Contact List_2-8-16.xlsx; Master Speakers Bureau Flint Water Response_2-8-16.xlsx

I also attached this to an Activity Log.

Lt. Mark A. Russo
District 6 Coordinator
Emergency Management and
Homeland Security Division
Michigan State Police
345 Northland Drive NE
Rockford MI 49341
TX: 616-866-6665

Fax: 616-866-3997

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Chandler, Jacqueline [mailto:Jacqueline.Chandler@fema.dhs.gov]
Sent: Monday, February 08, 2016 11:00 AM
To: Russo, Mark (MSP)
Subject: as requested, stakeholder database and speakers bureau log

Here you go.....

Jacqueline Sue Aguigui Chandler
External Affairs - UCG Flint
Public & External Affairs Task Force (PEATF)
jacqueline.chandler@fema.dhs.gov

- [illegible] (personal cell)

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Monday, February 08, 2016 9:19 AM
To: Eickholt, Jay (MSP)
Subject: FW: SBA DLOC in Flint
Attachments: Space_Requirment.pdf

Importance: High

Jay,

I'm not sure who is there today, but can you please get someone over to the Kroger warehouse ASAP and identify a space for SBA that works with their criteria? Please see below and attached. If they want to move in on Wednesday, we have to move quickly to get them set up. Thanks so much!

Thank you so much!
Wendy

State Emergency Operations Center
Logistics Section
517-284-3893

From: Fleming, Kem R [mailto:kem.fleming@sba.gov]
Sent: Monday, February 08, 2016 7:46 AM
To: MSP-seoclgc
Cc: Katarsky, Anthony (MSP); Davisson, Gary G.; Binns, Audrey J.; Billingslea, Grady L.; Strong, Jerome W.
Subject: RE: SBA DLOC in Flint

Hi Wendy,

We will need space that will allow us to assist Businesses with completing the SBA disaster loan application, so yes business that seek assistance will visit the office. The space should also accommodate 3 Customer Service Representatives (CSR) and allow some degree of privacy between each CSR. We also need space that is convenient to the public and allow easy access for business owners seeking assistance. See attached for a basic layout and requirements of a DLOC. We would like to have office open by Wednesday of this week to provide disaster assistance.

Audrey Binns will coordinate directly with you to establish office.

Audrey J. Binns
(404) 331-0333, Ext. 2106

Thanks

Kem R. Fleming, MBA & MPS-HLS

Field Operations Manager

U.S. Small Business Administration
Office of Disaster Assistance
Field Operations Center East
101 Marietta Street NW, Suite 700
Atlanta, GA 30303-2725

Office Phone: 404-331-0333 ext 2114

FAX: 202-481-0602
email: kem.fleming@sba.gov

Don't tell people how to do things, tell them what to do and let them surprise you with their results.
George S. Patton

From: MSP-seoclgc [mailto:MSP-seoclgc@michigan.gov]
Sent: Saturday, February 06, 2016 11:31 AM
To: Fleming, Kem R
Cc: MSP-seoclgc
Subject: SBA DLOC in Flint

Good morning Kem,

Tony Katarsky forwarded me your contact information to discuss the office space in Flint you are requesting. I think we may have a location, but I need a better idea of what would be needed and what the space will be used for.

We are opening a 2nd warehouse in an old Kroger store. In the upstairs of this location is empty office space. We were going to put you in here if that works for you? Of course we will have it cleaned and stocked with desks and whatever else is needed. Please let me know what you will need from us to be operational and what date/time you expect to arrive.

Also, because this will be used as a warehouse and maybe at some point a point of distribution, I was wondering if the space was just for your staff, or you were going to have outside businesses meet you there?

Please let me know what you need and what I can do to help.

Wendy
State Emergency Operations Center
Logistics Section
517-284-3893

Eickholt, Jay (MSP)

From: MSP-EOC-MDEQ
Sent: Sunday, February 07, 2016 5:45 PM
To: Ducharme, Mark (DEQ); Schaefer, Scott (DEQ); Eickholt, Jay (MSP)
Subject: FYI FW: residential samples >100 ppb lead
Attachments: 0207.pdf

FYI

From: Pieper, Julia (DEQ)
Sent: Sunday, February 07, 2016 5:30 PM
To: Krisztian, George (DEQ); Dykema, Linda D. (DHHS); Browne, Elizabeth (DEQ); MSP-EOC-MDEQ
Cc: MDARD-MI-FSPR
Subject: residential samples >100 ppb lead

Flint More Than 100 PPB

SAMPNO	ACODE	ANALYTE	RESULT	INVADD1	INVADD2	INVADD3	SSTATUS	LOCCODE
LG09950	PB	Lead	0.118		FLINT	48504	R	FLINT_LEAD_TEST

No samples for MDARD were reported on 2/7/16

Julia Pieper
Drinking Water Coordinator
Organic Sub-Unit Manager
DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
(517)-335-8076 phone
(517)-335-8562 fax

Eickholt, Jay (MSP)

From: Roland, John G 1LT USARMY (US) <john.g.roland2.mil@mail.mil>
Sent: Friday, February 05, 2016 5:23 PM
To: Hollaender, Henrik (MSP); Eickholt, Jay (MSP)
Subject: *FW: [Non-DoD Source] Fwd: AIA Flint Clean Water Response*
Attachments: Printable AIA Flint Water Flyer Feb 4 2016.pdf; Replacement for original content.txt; AIA Flint Water Flyer Feb 4 2016.pdf; Replacement for original content.txt

Sent to me by.....????? I don't know what these people are trying to do here. Do you know who this should be forwarded to?

1LT Roland, John G.

HHC 1-125 Infantry

National Guard/EOC Liaison

Michigan Army National Guard

(810) 640-6377

From: Jeffrey Ferweda [jeffrey@sfarch.us]
Sent: Friday, February 05, 2016 12:18
To: Roland, John G 1LT USARMY (US)
Subject: [Non-DoD Source] Fwd: AIA Flint Clean Water Response

All active links contained in this email were disabled. Please verify the identity of the sender, and confirm the authenticity of all links contained within the message prior to copying and pasting the address to a Web browser.

Regards,

Jeffrey S. Ferweda, AIA
Sent from my mobil office

▲SEDGEWICK& FERWEDA ARCHITECTS

410 E. Court St. Flint, MI 48503 < x-apple-data-detectors://1/0 >
P 810.238.9647 < tel:810.238.9647 > C 810.397.3711 < tel:810.397.3711 >
jeffrey@sfarch.us < Caution-mailto:jeffrey@sfarch.us >

Good Design. Good Clients.
Great Architecture

Begin forwarded message:

From: Jeffrey Ferweda <jeffrey@sfarch.us < Caution-mailto:jeffrey@sfarch.us > >
Date: February 5, 2016 at 11:27:38 AM EST
To: jgaskin@unitedwaygenesee.org < Caution-mailto:jgaskin@unitedwaygenesee.org > , Rachel Wenzlick <RWenzlick@unitedwaygenesee.org < Caution-mailto:RWenzlick@unitedwaygenesee.org > >, Amy Meister <ameister@unitedwaygenesee.org < Caution-mailto:ameister@unitedwaygenesee.org > >
Subject: Fwd: AIA Flint Clean Water Response

Jamie, Rachel and Amy, as a response to the Flint water issues the American Institute of Architects Flint chapter is putting out this flyer on safe storage. I thought it would be helpful if we got it to
you as well. Can you think of any one else we could share this with?

Regards,

Jeffrey S. Ferweda, AIA

▲SEDGEWICK& FERWEDA ARCHITECTS

410 E. Court St. Flint, MI 48503
P 810.238.9647 < tel:810.238.9647 > . < tel:810.397.3711 >
jeffrey@sfarch.us < Caution-mailto:jeffrey@sfarch.us >

Good Design. Good Clients.
Great Architecture

Good morning!

Today is the official roll-out of the AIA Flint Safe Water Storage Guideline Campaign!

Board members will be dropping flyers off at key water resource centers around the city including; City of Flint fire stations 1, 3, 5, 6, & 8; Red Cross; select township fire stations.

News media was notified yesterday via press release of the campaign and the distribution that will begin today. Later this morning, an email will be sent to the AIA Flint membership inviting them to help distribute flyers to their contacts via email and dropping off at any water resource centers they are familiar with.

Remember, the campaign is not just today. So if you cannot participate in helping distribute flyers today, no worries. Feel free to email and drop flyers to anyone in the next week or two.

Please find attached the final single version of the flyer for email and final printable version with two flyers to an 8.5x11 sheet.

Thanks!

Best, Amanda

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Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Friday, February 05, 2016 11:03 AM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hello Jay,

Attached you will find the spreadsheet for our water filter distribution for 2/3/16 – 2/4/16.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: MSP-EOC-MDEQ
Sent: Friday, February 05, 2016 8:51 AM
To: Ducharme, Mark (DEQ); Eickholt, Jay (MSP); Kuzera, Michelle (MSP)
Cc: MDEQ-ECC-IMT; Smith, Carol (DEQ); Pieper, Julia (DEQ); Shane, Kirby (DEQ)
Subject: Rapid Response Filter Request
Attachments: SCAN2274.pdf

Jay, Mark, Michelle,

Please see info below. May be a rapid response....

Please inform when addressed.

Thank you,

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: Smith, Carol (DEQ)
Sent: Friday, February 05, 2016 8:40 AM
To: MSP-EOC-MDEQ
Cc: Pieper, Julia (DEQ); Shane, Kirby (DEQ)
Subject: filter

This person sent in a sample and on the paperwork indicated she needed a filter that fits her faucet.
Please send this to the appropriate staff.
Thank-you

Carol Smith
MDEQ Laboratory
Organic Unit Manager
517-335-9550
smithc@mi.gov

Eickholt, Jay (MSP)

From: Smith, Carol (DEQ)
Sent: Thursday, February 04, 2016 4:29 PM
To: Van Riper, Eric (DEQ); Curtis, Loren (DEQ); Scheels, Joshua (DEQ)
Cc: Shirey, Kathleen (DEQ); Shane, Kirby (DEQ); Schaefer, Scott (DEQ); Eickholt, Jay (MSP)
Subject: RE: Warehouse Inventory Link and Order Spreadsheet
Attachments: Flint Water Sample Testing Bottles.xlsx

Did you receive line item 19 yet that were scheduled to be delivered this past Monday?
If yes, please confirm the lot number received and the number of boxes.
I need to get you labels for them.

Carol Smith
MDEQ Laboratory
Organic Unit Manager
517-335-9550
smithc@mi.gov

From: Van Riper, Eric (DEQ)
Sent: Thursday, February 04, 2016 2:42 PM
To: Curtis, Loren (DEQ); Scheels, Joshua (DEQ)
Cc: Shirey, Kathleen (DEQ); Smith, Carol (DEQ); Shane, Kirby (DEQ); Schaefer, Scott (DEQ); Eickholt, Jay (MSP)
Subject: FW: Warehouse Inventory Link and Order Spreadsheet

Josh/Loren:

Attached is the spreadsheet I received from Tara Premoe (DEQ Administration) regarding the test bottles. Based on the spreadsheet, it does not appear that we will be receiving any more bottles until next week (Monday, 2/8/16 – 295 cases of 60 bottles). If the bottles are delivered on time, we should plan on assembling the kits starting Tuesday or Wed. depending on getting approval from the lab. Loren, I am available to be at the Red Cross any day next week except Wednesday morning. Let me know what days you are available and we can set a tentative schedule for next week. Maybe alternating days would work, or if we get enough volunteers we both may have to be there. We should be able to complete the 295 cases by the end of the week (Friday), if not, Saturday at the latest. Josh, I know you are off next week. Hopefully, all the test kits will be completed before you get back. As you can see from the spreadsheet there are no more bottles currently on order. I spoke with Jen Wolf this morning and she stated that no more bottles are on order and we should have enough at the warehouse in reserve for a couple of months.

Also, the link below is for the warehouse inventory so you can see where all the bottles are going among other things.

If you have any questions, please let me know.

Eric Van Riper
Incident Management Specialist
Michigan Department of Environmental Quality
Remediation & Redevelopment Division
Lansing District Office
525 W. Allegan Street
Lansing, Michigan 48909
517-420-6785 ☎

From: Premoe, Tara (DEQ)
Sent: Thursday, February 04, 2016 11:51 AM
To: Van Riper, Eric (DEQ)
Subject: Warehouse Inventory Link and Order Spreadsheet

Below is the warehouse link and I have attached the up to date spreadsheet on water test bottle orders. Thanks.

Tara Premoe
Administration
Department of Environmental Quality
PH: (517) 284-5012
premoet@michigan.gov

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 12:18 PM
To: Premoe, Tara (DEQ)
Subject: Link

https://docs.google.com/spreadsheets/d/1wXVQvQ2IJ6N_ORpo8bvtBIEQJrDxkyoPg-EjZRtNepg/edit?pref=2&pli=1#gid=103995048

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

Eickholt, Jay (MSP)

From: Van Riper, Eric (DEQ)
Sent: Thursday, February 04, 2016 2:42 PM
To: Curtis, Loren (DEQ); Scheels, Joshua (DEQ)
Cc: Shirey, Kathleen (DEQ); Smith, Carol (DEQ); Shane, Kirby (DEQ); Schaefer, Scott (DEQ); Eickholt, Jay (MSP)
Subject: FW: Warehouse Inventory Link and Order Spreadsheet
Attachments: Flint Water Sample Testing Bottles.xlsx

Josh/Loren:

Attached is the spreadsheet I received from Tara Premoe (DEQ Administration) regarding the test bottles. Based on the spreadsheet, it does not appear that we will be receiving any more bottles until next week (Monday, 2/8/16 – 295 cases of 60 bottles). If the bottles are delivered on time, we should plan on assembling the kits starting Tuesday or Wed. depending on getting approval from the lab. Loren, I am available to be at the Red Cross any day next week except Wednesday morning. Let me know what days you are available and we can set a tentative schedule for next week. Maybe alternating days would work, or if we get enough volunteers we both may have to be there. We should be able to complete the 295 cases by the end of the week (Friday), if not, Saturday at the latest. Josh, I know you are off next week. Hopefully, all the test kits will be completed before you get back. As you can see from the spreadsheet there are no more bottles currently on order. I spoke with Jen Wolf this morning and she stated that no more bottles are on order and we should have enough at the warehouse in reserve for a couple of months.

Also, the link below is for the warehouse inventory so you can see where all the bottles are going among other things.

If you have any questions, please let me know.

Eric Van Riper
Incident Management Specialist
Michigan Department of Environmental Quality
Remediation & Redevelopment Division
Lansing District Office
525 W. Allegan Street
Lansing, Michigan 48909
517-420-6785 ☎

From: Premoe, Tara (DEQ)
Sent: Thursday, February 04, 2016 11:51 AM
To: Van Riper, Eric (DEQ)
Subject: Warehouse Inventory Link and Order Spreadsheet

Below is the warehouse link and I have attached the up to date spreadsheet on water test bottle orders. Thanks.

Tara Premoe
Administration
Department of Environmental Quality

PH: (517) 284-5012
premoet@michigan.gov

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 12:18 PM
To: Premoe, Tara (DEQ)
Subject: Link

https://docs.google.com/spreadsheets/d/1wXVQvQ2lJ6N_ORpo8bvtBIEQJrDxkyoPg-EjZRtNepg/edit?pref=2&pli=1#gid=103995048

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

Eickholt, Jay (MSP)

From: Veeser, Chad (DHHS)
Sent: Thursday, February 04, 2016 12:02 PM
To: Serrano, Erin (NYC-DVR); Holmes, Virginia (DHHS)
Cc: Gabriel, Ashley (NYC-DVR); Eickholt, Jay (MSP)
Subject: RE: PUR Volunteering Follow-Up
Attachments: Water Filter Tracking.xlsx

I am going to group this in to one email. We have the one location confirmed (community center). Lt. Roach has contacted her for the confirmation, I have left a message for follow-up, and you may proceed to call her (see below). I leave the set-up and fine detail to you and her. Please let me know the exact times we agree upon for the team's activities with the public, as we would like to have the Joint Information Center send out a media release or communications update.

We should have the details for the church today, as well. Lt. Roach has a meeting with them later today if they do not call back before (but it may not be in time for your meeting). When I have that detail I will update you.

- Location 1: **Brennan Senior Community Center**, 1301 Pingree Ave, Flint. **The contact there is Debra:**
- Location 2: **Church ID'ed but not confirmed**

I have cc'ed Jay Eickholt, and have even attached a form from him. He works in logistics, and he will arrange the delivery of the filters (we can arrange to bring over some of the handouts, as well). He will need to know:

1. How many filters would you need at each place? The Brennan Center sees around 200-250 people/day.
2. The point of contact at each location (this is who would take the filters – I assume the PUR people would want to receipt them. Otherwise, we can work with the location PoC)?
3. When do you want them (Monday or Tuesday, and at what time)?
4. And finally, the attached sheet is to track how many are given away at each location.

Thank you!
Chad

From: Serrano, Erin (NYC-DVR) [mailto:ESerrano@devriesglobal.com]
Sent: Wednesday, February 03, 2016 5:42 PM
To: Veeser, Chad (DHHS); Holmes, Virginia (DHHS)
Cc: Gabriel, Ashley (NYC-DVR)
Subject: RE: PUR Volunteering Follow-Up

Hi Chad,

Just checking in to see if you have the contacts and addresses for the two locations yet. Our teams are hard at work getting prepared for next week and we need to share this info as soon as possible.

Also a few quick follow-ups:

- In addition to the products, can we also have some of the PUR handouts we shipped to the EOC brought to the locations?

- We definitely want to do a quick site check on Monday afternoon/evening so that we are familiar with the space on Tuesday. We will work with the contacts at each location to confirm. Would it be possible to have the product delivered that evening so that we're ready to go on Tuesday morning?

Thanks!
Erin

From: Veeser, Chad (DHHS) [mailto:VeeserC@michigan.gov]
Sent: Wednesday, February 03, 2016 12:48 PM
To: Serrano, Erin (NYC-DVR); Holmes, Virginia (DHHS)
Cc: Gabriel, Ashley (NYC-DVR)
Subject: PUR Volunteering Follow-Up
Importance: High

I just wanted to touch base with you on the two main points we discussed yesterday:

1. Lt. Roach is working with her contacts. We have ID'ed a community center and a church. I will pass along the detail when she has touched base with those two places, and we will have you talk with each point of contact directly to coordinate the logistics with them (at their respective location).
2. I will confirm with our own logistics team to make sure that PUR filters and replacement cartridges will be delivered to the locations.

Also, I have asked DEQ for details (and information sheet) re: the testing kits (and not having the kits on hand themselves).

Thank you,
Chad

This message contains information which may be confidential and privileged. Unless you are the intended recipient (or authorized to receive this message for the intended recipient), you may not use, copy, disseminate or disclose to anyone the message or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail, and delete the message.

Thank you very much

Eickholt, Jay (MSP)

From: Shatrau, Bonnie (MDOC)
Sent: Thursday, February 04, 2016 10:15 AM
To: Eickholt, Jay (MSP)
Subject: Fw: Flyers for DEQ Today
Attachments: flyerBW_510337_7.pdf; LeadInWaterInfoSheetV2a_511710_7.pdf; LeadInWaterInfoSheetV2a_ai_copy_002_512792_7.pdf

Importance: High

From: MSP-seoclgc
Sent: Thursday, February 4, 2016 9:58 AM
To: Shatrau, Bonnie (MDOC)
Subject: FW: Flyers for DEQ Today

Bonnie,

Can you please print a 100 of each form and have someone deliver to local EOC ASAP. Sorry to do this but we need them for our DEQ teams that are going out shortly.

Please let me know that you have received this.

Thanks
Tonya
State Emergency Operations Center
Logistics Section
517-284-3893

From: MSP-EOC-MDCH
Sent: Thursday, February 04, 2016 9:42 AM
To: MSP-seoclgc
Subject: Flyers for DEQ Today
Importance: High

Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Thursday, February 04, 2016 7:17 AM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: RE: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hi Jay,

Attached is a revised version for 2.2.16. I apologize for the inconvenience.

Thank you,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626
Fax: (810) 235-9205

-----Original Message-----
From: Eickholt, Jay (MSP) [mailto:EickholtJ1@michigan.gov]
Sent: Wednesday, February 03, 2016 4:51 PM
To: Holbrook, Alana
Cc: Dingler, Mike
Subject: RE: Flint Water Filter Distribution

Alana,

This question was posed from the State Emergency Operations Center. Any feedback or comments is appreciated!

"On tab 2.2.16, in the comments section, it indicates Brita Filter/Test Kit; however, both filter and test kit columns are not marked. Please advise."

Thanks!

From: Holbrook, Alana [Alana_Holbrook@cable.comcast.com]
Sent: Wednesday, February 03, 2016 10:52 AM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: Flint Water Filter Distribution

Hello Jay,

Attached you will find the spreadsheet for our water filter distribution for 2/1/16 - 2/2/16. There are also a few added to 1/30/16 highlighted in yellow.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

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Eickholt, Jay (MSP)

From: DeVriendt, Chris <CDeVriendt@co.genesee.mi.us>
Sent: Wednesday, February 03, 2016 5:45 PM
To: KreiderC@valleyaaa.org; Kuzera, Michelle (MSP); Tafoya, Cpt. Casey
Cc: Eickholt, Jay (MSP)
Subject: RE: 2/3/2016 List
Attachments: VAAA Homebound List TEMPLATE 20160130.xlsx

Could you please have these people use the established system of 211? Many individuals are getting on multiple lists and it is making this a nightmare trying to plan routes and establish deliveries. In addition, if the attached spreadsheet can be used for the addresses, it would greatly speed up the response efforts.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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From: Kuzera, Michelle (MSP) [mailto:KuzeraM@michigan.gov]
Sent: Wednesday, February 03, 2016 3:45 PM
To: DeVriendt, Chris; Tafoya, Cpt. Casey
Cc: Eickholt, Jay (MSP)
Subject: FW: 2/3/2016 List

From: Cherylynn Kreider [mailto:KreiderC@valleyaaa.org]
Sent: Wednesday, February 03, 2016 3:43 PM
To: Kuzera, Michelle (MSP)
Subject: 2/3/2016 List

Hi Michelle

Here is our list from our call backs some just need water some have not ever received services

Have a great day

Cherylynn Kreider

MMAP Administrative Assistant
Valley Area Agency on Aging
225 E. 5th St. Suite 113
Flint, MI 48502
1-800-803-7174

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Eickholt, Jay (MSP)

From:	Kuzera, Michelle (MSP)
Sent:	Wednesday, February 03, 2016 3:45 PM
To:	CDeVriendt@co.genesee.mi.us; ctafoya@co.genesee.mi.us
Cc:	Eickholt, Jay (MSP)
Subject:	FW: 2/3/2016 List
Attachments:	water priority.xlsx

From: Cherylynn Kreider [mailto:KreiderC@valleyaaa.org]
Sent: Wednesday, February 03, 2016 3:43 PM
To: Kuzera, Michelle (MSP)
Subject: 2/3/2016 List

Hi Michelle

Here is our list from our call backs some just need water some have not ever received services

Have a great day

Cherylynn Kreider

MMAP Administrative Assistant
Valley Area Agency on Aging
225 E. 5th St. Suite 113
Flint, MI 48502
1-800-803-7174

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Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Wednesday, February 03, 2016 3:37 PM
To: Eickholt, Jay (MSP)
Cc: MSP-SEOCOPSC
Subject: FW: Final Hot shot form
Attachments: Hotshot Form V2.docx; Hotshot Form V2.docx

Hey Jay, since you are the master Hot Shot form guy, can you help us out with some changes to this form? 2-1-1 is ready to move forward with us, so others will be using this other than just us. Can you please make the following changes and return it to me?

1. Remove "or" from between Resident, Business, Church at the top
2. Next to "Door Hangers" add "Specify Language" Since we have several now ☺
3. Below the line at the bottom, center "Delivery Driver Only" and remove the :

Thanks Jay!
Wendy

From: Thelen, Richard (DHHS)
Sent: Wednesday, February 03, 2016 3:02 PM
To: MSP-seoclgc; MSP-SEOCOPSC
Subject: FW: Final Hot shot form

Are you able to approve this?

From: Tom Page [mailto:tpage@uwmich.org]
Sent: Wednesday, February 3, 2016 2:50 PM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov>
Subject: RE: Final Hot shot form

Richard,

Michigan 2-1-1 is moving forward to develop an electronic version of the hot shot form that will automatically generate a referral as calls are completed.

Can you verify the following:

- Hot shot v.2 (attached) is the approved form without any further edits
- Can you provide the email address for the primary recipient of the water resource referrals and anyone additional emails to copy on the referrals.

ETA for the electronic form is 8-10 days. Once it is active, we will be able to make simple modifications as needed (e.g. add/change resources available for delivery)

Thanks,

Tom Page | Executive Director
Michigan 2-1-1 | 330 Marshall Street, Suite 211, Lansing, MI 48912
Phone: 517-664-9811 | Email: tpage@uwmich.org

-----Original Message-----
From: Thelen, Richard (DHHS) [mailto:ThelenR4@michigan.gov]
Sent: Tuesday, January 26, 2016 7:45 AM
To: Tom Page
Subject: FW: Final Hot shot form

-----Original Message-----
From: MSP-seoclgc
Sent: Monday, January 25, 2016 7:49 PM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Georgopoulos, Carly (MSP) <GeorgopoulosC@michigan.gov>
Cc: Shatrau, Bonnie (MDOC) <shatraub@michigan.gov>; Eickholt, Jay (MSP) <EickholtJ1@michigan.gov>; MSP-SEOC11 <MSP-SEOC11@michigan.gov>
Subject: Final Hot shot form

Final form approved by Jay. Please use only this form when requesting hot shots from the warehouse. Continue to cc msp-seoc11@michigan.gov

Thanks,
Wendy
State Emergency Operations Center
Logistics Section Chief
517-333-7767

Eickholt, Jay (MSP)

From: Decastro, Michael (MSP)
Sent: Wednesday, February 03, 2016 2:48 PM
To: Eickholt, Jay (MSP)
Subject: Delivery
Attachments: Communication Access Center.docx; ATT00001.txt

Jay

Can you check and see if these were delivered? I just stopped by this place and they said they never received anything. The filters were supposed to be delivered this morning.

Michael

Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Wednesday, February 03, 2016 10:52 AM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hello Jay,

Attached you will find the spreadsheet for our water filter distribution for 2/1/16 – 2/2/16. There are also a few added to 1/30/16 highlighted in yellow.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: Heintzelman Shasta
Sent: Wednesday, February 03, 2016 10:02 AM
To: Eickholt, Jay (MSP)
Subject: Fwd: 1100 Conf Call - High Lead Level Task Force
Attachments: DEQ Response Plan for High Drinking Water Lead Results in Flint - DRAFT2....pdf; ATT00001.htm; DRAFT High Lead Home Task Force.docx; ATT00002.htm; Notice of Lead Result in Drinking Water DRAFT - Copy.pdf; ATT00003.htm

Mark can fill you in on this. I was on the first conference call yesterday.

Sent from my iPhone

Begin forwarded message:

> **From:** MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>
> **Date:** February 3, 2016 at 9:59:41 AM EST
> **To:** "Browne, Elizabeth (DEQ)" <BROWNEE@michigan.gov>, "Hagler, Gary (DNR)" <HAGLERG@michigan.gov>, "Lord, Daniel (DNR)" <LordD1@michigan.gov>, "Benzie, Richard (DEQ)" <BENZIER@michigan.gov>, "Feighner, Bryce (DEQ)" <FEIGHNERB@michigan.gov>, "Sygo, Jim (DEQ)" <SygoJ@michigan.gov>, MDEQ-ECC-IMT <MDEQ-ECC-IMT@michigan.gov>, MSP-EOC-MDCH <MSP-EOC-MDCH@michigan.gov>, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>, MSP-EOC-MDLARA <MSP-EOC-MDLARA@michigan.gov>, "Towne, Karen (LARA)" <TowneK2@michigan.gov>, "Ducharme, Mark (DEQ)" <DUCHARMEM@michigan.gov>, Heintzelman Shasta <HeintzelmanS1@michigan.gov>
> **Subject: 1100 Conf Call - High Lead Level Task Force**
>
> Please include the CHECC as well as the MDHHS UCG representative.
>
> This meeting is to develop and finalize a plan to address the residents who have received an analytical result of greater than or equal to 100 ppb or greater with the urgent focus on ≥150ppb. Attached are working drafts of the plan and tactics.
>
> (The initial draft included EPA who are not willing to commit to a joint effort at this time.)
>
> Thank you,
>
> **DEQ REPRESENTATIVE**
>
> **STATE EMERGENCY OPERATIONS CENTER**
>
> **MSP-EOC-MDEQ@MICHIGAN.GOV**

Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Monday, February 01, 2016 9:25 AM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: RE: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hello Jay,

Attached you will find the spreadsheet for our water filter distribution for 1/26/16 – 1/30/16.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: Roach, Billie Jo (MSP)
Sent: Friday, January 29, 2016 10:53 AM
To: Russo, Mark (MSP); Eickholt, Jay (MSP)
Subject: FW: Grace Emmanuel Baptist
Attachments: Churches near GEBC.xlsx

FYI

From: Glenna Gates [mailto:gdwggrace@gmail.com]
Sent: Friday, January 29, 2016 10:46 AM
To: Roach, Billie Jo (MSP)
Subject: Grace Emmanuel Baptist

Here is a list of churches near Grace Emmanuel Baptist Church. The last column shows the churches I have contacted and the results from my call. Please let me know if you need additional information.

Be Bless

Glenna Gates
Grace Emmanuel Baptist Church
Assist Church Administrator

Eickholt, Jay (MSP)

From: Jim Place <jimplace@sbcglobal.net>
Sent: Thursday, January 28, 2016 12:23 PM
To: Eickholt, Jay (MSP)
Subject: Fw: Fwd: The Drinking Water Disaster in Flint MI
Attachments: Seychelle Capabilities Summary 1-20-16.pdf

Jay:

Thanks for taking the time to talk to me today about the decision to move forward with PUR and Brita for the water disaster in Flint MI.

You have Seychelle's materials and the product and if anything changes with your supply of filter bottles, give me a call as we stand ready to supply our advanced filter bottle that you have in your possession in a timely fashion and at a fair price.

Just remember that one filter is equal to 750 1/2 liter bottles which should exceed a years supply We also have water pitchers for home use So we could fill in for both of the brands selected with superior products.

Regards,

Jim Place
949-636-0866

----- Forwarded Message -----
From: Jim Place <jimplace@sbcglobal.net>
To: eickholtj1@michigan.gov
Sent: Monday, January 25, 2016 6:56 AM
Subject: Fwd: The Drinking Water Disaster in Flint MI

Jay:

Just to let you know that the package was delivered and signed for by somebody by the name of Smith, probably in your mail room.

Please confirm that you got the package.

Be sure and wet out the filter In each bottle. The simplest way to do this is to fill a bottle and squeeze it into the sink with the straw open on the cap. You may see some residue from wetting the filter. Do this a couple of times then you're ready to try the water that's creating all the issues.

I will call you tomorrow after you've had a chance to do that and review some of the materials that were sent in the package as well as look at the email I sent with the capabilities summary sheet attached.

If you have any questions today, don't hesitate to give me a call.

Regards,

Jim
949-636-0866

Sent from my iPhone

Begin forwarded message:

From: Jim Place <jimplace@sbcglobal.net>
Date: January 22, 2016 at 1:08:51 PM PST
To: Jay Eickholt <eickholtj1@michigan.gov>
Subject: The Drinking Water Disaster in Flint MI
Reply-To: Jim Place <jimplace@sbcglobal.net>

Jay Eickholt
1002 S. Saginaw St.
Flint, MI 48502

Dear Jay:

I enjoyed talking with you today about the possibilities with the Seychelle Advanced Filter Bottle which takes out all of the contaminants in drinking water. Seychelle has just been approved by FEMA and we are in the process with GSA as a potential supplier for disaster relief with other government agencies with a superior water filtration system in a bottle that takes all of the contaminants out on the EPA list for drinking water.

I would like to introduce you to Seychelle Water Filtration Products as we have been in business since 1998 with 17 years of experience. We are a fully licensed and insured **Small Business** serving all of the United States as well as overseas. We are a company working in the field of portable water filtration bottles with breakthrough technology that takes all of the contamination out of drinking water, not just lead that is on the EPA list noted on our website and as stated in the capabilities statement with a link to the website. What you don't know is that there are usually more contaminants in the water than municipalities realize. We have sold over 7.5 million filters products to-date in a variety of containers; but primarily bottles.

This is unmatched by anyone in the business as they only take out primarily chlorine, taste and odor (CTO) and a few other contaminants, This is the primary reason people purchase bottled water (don't like their tap water) which is a single use bottle that ends up in a land fill. All Seychelle products are Biodegradable, BPA free, are non-toxic and do not leach as bottle water plastic (PET) does. Our plastic bottles are LDPE.

We have developed lasting relationships with numerous qualified businesses which include customers and vendors. This includes having an outstanding reputation with city and state agencies. Since we are a publicly traded (OTCQB/SYEV) company, this includes the SEC since

we are required to file quarterly reports. Importantly we are approved by FEMA and in the process of being approved by GSA to make this contact with you.

We would sincerely appreciate working with you on your current drinking water disaster as well as your future ventures and look forward to your association with us.

In this regard, We are sending under separate cover, 2 bottles for you to try with the contaminated drinking water that Flint MI residents are having to deal with now. Included in the bottle shipment that you should receive on Monday, will be some recent research on the viability of our proprietary filter technology prepared by our President, Carl Palmer. Be sure to follow the directions with the bottles as the filters in the bottles are shipped dry and you have to get them wet to be able to use them. Each bottle is equal to 750 1/2 liters of bottle water which makes the product very economical compared to bottled water.

I will call you next Tuesday to make sure you received the two bottles and research on Monday. Hopefully you will have had a chance to test them during this time of need. Please view our attached government targeted capability statement as well.

Regards,

Jim Place
Seychelle
CFO & Director
949-636-0866

Eickholt, Jay (MSP)

From: Hunter, Janet (DHHS)
Sent: Thursday, January 28, 2016 9:07 AM
To: Hollaender, Henrik (MSP); Eickholt, Jay (MSP)
Cc: MSP-EOC-MDEQ
Subject: Fw: Water Filter Donations
Attachments: Guidelines for Water Filter Donations.docx

Attached is the formatted guidelines for filters approved by the JIC

Janet Hunter
Volunteer & Community Engagement Director
Michigan Community Service Commission
235 South Grand Avenue
Lansing, MI 48933
hunterj8@michigan.gov
(989) 763-9421

From: Adler, Jessi (DHHS)
Sent: Wednesday, January 27, 2016 5:31 PM
To: Hunter, Janet (DHHS); Veeser, Chad (DHHS); Holmes, Virginia (DHHS)
Subject: FW: Water Filter Donations

From: Banner, Shanon (MSP)
Sent: Wednesday, January 27, 2016 5:23 PM
To: Hawks, Trevor (MSP) <HawksT@michigan.gov>
Cc: Adler, Jessi (DHHS) <AdlerJ@michigan.gov>; JICManager <JICManager@michigan.gov>
Subject: Water Filter Donations

Hi Trevor,

The attached document needs to be added www.michigan.gov/flintwater. There is a tab on the top for Water Donation Guidelines. I would like to change the name on that tab to Donation Guidelines. I'm thinking we could just add them together (essentially a two-page PDF). Would that work?

Taking Action on Flint Water - michigan.gov

www.michigan.gov

"We are working closely with Genesee County and the Flint

community, taking actions to immediately improve the water situation in Flint. Currently, we are focused on ...

Ron – Please add this document to MiCims.

Thanks.

Shanon Banner
Manager, Public Affairs Section
Office of the Director
Michigan State Police
517-241-0955

A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY

We're on social media! Find all the ways you can connect with us at www.mi.gov/mspconnect.

Eickholt, Jay (MSP)

From: DeVriendt, Chris <CDeVriendt@co.genesee.mi.us>
Sent: Wednesday, January 27, 2016 5:05 PM
To: Eickholt, Jay (MSP)
Subject: Fwd: Supply Order
Attachments: image003.jpg

Sent from my iPhone

Begin forwarded message:

From: "Swartout, April" <ASWARTOUT@gchd.us>
Date: January 27, 2016 at 17:03:16 EST
To: <cdevriendt@co.genesee.mi.us>
Subject: Supply Order

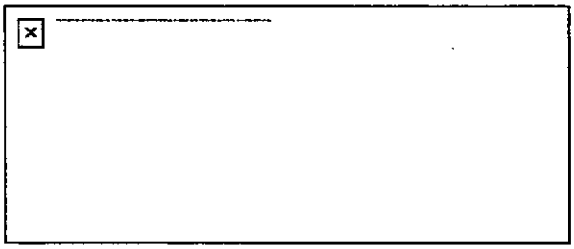
Chris,

I just talked to Toni LaRocco. We need to request 6500 lancets. Specifically, we need the BD Contact activated, 21 guage, 1.8 mm, pink ones.

Would you please put in that request. Delivered to G3373 S. Saginaw, Burton, MI 48529.

Thanks.
April

April L. Swartout, M.P.A.
Emergency Preparedness Coordinator
Public Health Program Coordinator
Genesee County Health Department
630 S. Saginaw St., Suite 4
Flint, MI 48502
(810) 424-4441
Fax: (810) 257-3147



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For a copy of the Health Department's Notice of Information Practices, contact the Health Department or visit the Health Department's website at http://www.gchd.us/

Eickholt, Jay (MSP)

From: Kuzera, Michelle (MSP)
Sent: Wednesday, January 27, 2016 12:37 PM
To: Eickholt, Jay (MSP); Heintzelman Shasta
Subject: FW: Water Tests
Attachments: Uptown's Action on Water Report.docx; FGCC Water FAQ_.docx; Farmers Market Memo Vendor Update October 22.pdf; URC-Uptown Developments Water Test Results.pdf; Estimate - Water Filter FFM.pdf; Water Test Notice.docx

Please get a Rapid Response team on this.

Thank you

From: Cheryl Defrain [mailto:cdefrain@flintandgenesee.org]
Sent: Wednesday, January 27, 2016 11:00 AM
To: Kuzera, Michelle (MSP)
Subject: FW: Water Tests

Michelle
Can Landlords of buildings in the city get filters? Uptown Reinvestment needs 50 filters. What is the process for this?
Cheryl

Cheryl DeFrain
Director, Operations & Planning

Flint & Genesee Chamber of Commerce
519 S. Saginaw Street • Suite 200 • Flint, MI 48502
(P) 810-600-1457 (F) 810-600-1461
www.FlintandGenesee.org • CDefrain@FlintandGenesee.org

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From: Tim Herman
Sent: Wednesday, January 27, 2016 10:48 AM
To: Cheryl Defrain <cdefrain@flintandgenesee.org>; George Wilkinson <GWilkinson@flintandgenesee.org>; Kyle McCree <KMcCree@FlintandGenesee.org>
Cc: Kristy Bearse <kbearse@uptownflint.org>
Subject: FW: Water Tests

Can Landlords get filters? URC would need about 50

Tim Herman

CEO

Flint & Genesee Chamber of Commerce
519 S. Saginaw Street • Suite 200 • Flint, MI 48502
(P) 810-600-1410 (
www.FlintandGenesee.org • therman@FlintandGenesee.org

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From: Kristy Bearse
Sent: Tuesday, January 26, 2016 4:46 PM
To: Ridgway H. White <rwhite@mott.org>; Joseph M. Martin <jmmartin@mott.org>; Tim Herman <THerman@FlintandGenesee.org>
Subject: RE: Water Tests

Good afternoon,

In light of the current water situation, Uptown has been proactive in testing and informing to the best of our ability. We have also directed tenants to the public information line so that they have the means necessary to obtain filters and water if they feel necessary. When the issue with legionella came about, I requested permission to order enough filters for one shower in each residential unit. However, after many calls and quite a bit of research, I found that the only system that can eliminate that particular bacteria is a reverse osmosis system. I felt ordering all of the shower filters may be a waste so I did not proceed. If you would like me to do otherwise please advise. I have been in contact with the public info line, "211" and was informed that we can get filters for all units, but have been unsuccessful so far. I am concerned that if we are the ones to install filters we would also be the ones liable if a filter fails someone. If you would like me to bypass the filters that are donated and order our own, please let me know, otherwise I will keep directing tenants to the distribution centers.

I have asked Tim Knecht to direct me in verbiage when addressing tenants and answering questions so that people are well informed, but we are also protected. There are a couple of questions I would like to be able to answer for Mr. Knecht so that he can direct me accordingly. 1. Should we organize regular testing, possibly monthly? 2. Is the plumbing in each building new or old predating the ban on lead solder? (1986)?

For your review I have attached a report including each building's testing dates, results, preventative measures and tenant interaction such as notices/memos. Also attached is the memo sent out by the Market staff, an estimate for FFM Filtration and the Chamber FAQ that I have forwarded to several people.

Please let me know if you feel there is anything else that needs to be done. Thank you!!

Kristy L. Bearse
Property Manager
Uptown Reinvestment Corporation / Uptown Developments

UPTOWN REINVESTMENT CORPORATION URC UPTOWNDEVELOPMENTS
503 S. Saginaw Street Ste. 1500
Flint, MI 48503
810.238.5555 ex. 2
kbearse@uptownflint.org
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From: Ridgway H. White [mailto:rwhite@mott.org]
Sent: Monday, January 25, 2016 9:42 AM
To: Kristy Bearse <kbearse@uptownflint.org>; Joseph M. Martin <jmmartin@mott.org>; Tim Herman <THerman@FlintandGenesee.org>
Subject: Water Tests

Kristy,

Out of curiosity will you please create a report that outlines any items that have been completed as it relates to the Flint Water. This should include on a building by building basis any water tests including dates and results, any preventative measures and all notices that have been provided to tenants.

Thanks

Ridgway White
C. S. Mott Foundation
503 S. Saginaw Street Ste 1200
Flint, MI 48502
Tel. 810-238-5651

Eickholt, Jay (MSP)

From: Hunter, Janet (DHHS)
Sent: Tuesday, January 26, 2016 3:23 PM
To: Hollaender, Henrik (MSP); Eickholt, Jay (MSP)
Subject: Fw: Niagara Water Sept. Recall
Attachments: Niagara Water Safe_Final 6-22-15.pdf

Importance: High

Janet Hunter
Volunteer & Community Engagement Director
Michigan Community Service Commission
235 South Grand Avenue
Lansing, MI 48933
hunterj8@michigan.gov
(989) 763-9421

From: MSP-seoclgc <MSP-seoclgc@michigan.gov>
Sent: Tuesday, January 26, 2016 1:23 PM
To: Hunter, Janet (DHHS)
Cc: Holmes, Virginia (DHHS); MSP-SEOCOPSC; MSP-EOC-MDCORTNS; MSP-SEOCPIO
Subject: RE: Niagara Water Sept. Recall

To Donations management and Warehouse management
We will work to put out some type of public messaging on this issue for donations outside of our span of control.
In the meantime, you all must ensure that we received no recalled lots of Niagara Water.
See the corporate statement below:
"Niagara bottled water being sold and distributed in Flint, MI and throughout the country is safe to drink. Niagara issued a voluntary recall of spring water produced at our two (2) Pennsylvania plants from **June 10-18th, 2015**. As of **September 7, 2015** Niagara found no contamination of any kind in their finished products or in the spring water that was delivered to their bottling facility. For additional information, please visit http://www.niagarawater.com/consumer-notice/ or contact Niagara's Consumer Affairs Department at (888) 943-4894."

Niagara Spring Bottled Water Voluntary Recall - Niagara ...

www.niagarawater.com

Niagara voluntary recall of spring water produced at two Pennsylvania plants from June 10-18th, 2015 purified drinking water is unaffected

Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: MSP-seoclgc
Sent: Tuesday, January 26, 2016 11:28 AM
To: Hunter, Janet (DHHS)
Cc: Holmes, Virginia (DHHS); MSP-SEOCOPSC
Subject: FW: Niagara Water Sept. Recall

Janet

We need to know asap if you are ensuring we are not getting any of this water into our donations management.

Thank you! Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: MSP-SEOCOPSC
Sent: *Tuesday, January 26, 2016 10:59 AM*
To: MSP-seoclgc
Subject: FW: Niagara Water Sept. Recall

From: MSP-SEOCOPSC
Sent: Tuesday, January 26, 2016 10:49 AM
To: Davis, Kristi (MSP)
Subject: FW: Niagara Water Sept. Recall

From: MSP-EOC-MDTMB
Sent: Friday, January 22, 2016 7:31 PM
To: MSP-SEOCOPSC; Kelenske, Chris (MSP)
Cc: jason.gamble@fema.dhs.gov; Kuzera, Michelle (MSP); Davis, Kristi (MSP); MSP-seoclgc
Subject: RE: Niagara Water Sept. Recall

Please see attached response from Home Depot regarding the Niagara. We are clear.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: MSP-SEOCOPSC
Sent: Friday, January 22, 2016 6:20 PM
To: Kelenske, Chris (MSP)
Cc: jason.gamble@fema.dhs.gov; Kuzera, Michelle (MSP); Davis, Kristi (MSP); MSP-EOC-MDTMB; MSP-seoclgc
Subject: FW: Niagara Water Sept. Recall

Captain,

Just an FYI- this does not apply to us. Per DTMB, we got our water from Wisconsin; this applies to water from Pennsylvania. DTMB is confirming, comparing our lot numbers with the ones listed.

On Niagara's website, they do not show Michigan as an impacted state.

Gabe

Operations Section Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

From: Minicuci, Angela (DHHS)
Sent: Friday, January 22, 2016 4:17 PM
To: MSP-SEOCOPSC; MSP-EOC-MDCH
Cc: Brown, Melanie (DEQ)
Subject: Niagara Water Sept. Recall

Good afternoon,

We just found out about a recall by Niagara water in Sept. 2015. Is there a way we can check the Niagara water that we're giving out to ensure it's not from these lots: http://www.niagarawater.com/consumer-notice/

Thank you,

Angela Minicuci

Office of External Relations and Communications
Michigan Department of Health and Human Services
Office: (517) 241-2112

minicucia@michigan.gov
www.michigan.gov/mdhhs

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Eickholt, Jay (MSP)

From:	Russo, Mark (MSP)
Sent:	Tuesday, January 26, 2016 12:55 PM
To:	Galbreath, Wendy (MSP)
Cc:	Kuzera, Michelle (MSP); Roach, Billie Jo (MSP); Eickholt, Jay (MSP)
Subject:	Fwd: KROGER STORE 2629 W. PIERSON, FLINT, MI
Attachments:	pastedGraphic copy.tiff; ATT00001.htm; Kroger abstract, Flint.pdf; ATT00002.htm

Begin forwarded message:

From: Ramsay Sadek <rsadek@degmidland.com>
Date: January 26, 2016 at 12:33:20 PM EST
To: "Russo, Mark (MSP)" <RussoM3@michigan.gov>
Cc: Mark Sadek <msadek@degmidland.com>
Subject: KROGER STORE 2629 W. PIERSON, FLINT, MI
Reply-To: Ramsay Sadek <rsadek@degmidland.com>

Hi Mark:
Attached is an abbreviated fact sheet on our Kroger food store in Hallwood Plaza. Please contact me to discuss further if needed. Thanks
Ramsay

Ramsay P. Sadek
4908 Mac Street
Midland, MI 48640
989-832-5210 Phone
989-832-5220 Fax
Member: AIA, AIBD

"People will forget what you said, people will forget what you did, but people will never forget how you made them feel." -- Maya Angelo

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Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Tuesday, January 26, 2016 8:56 AM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hello Jay,

Attached you will find the spreadsheet for our water filter distribution for 1/22/16, 1/23/16 & 1/25/16.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: Stephanie Eagle <seagle@bradleymgmt.com>
Sent: Monday, January 25, 2016 3:28 PM
To: Eickholt, Jay (MSP)
Subject: RE: Filter Tracking Sheet
Attachments: Copy of Water Filter Tracking.xlsx

Attached is tracking sheet for Eagle Ridge Square. We have 36 homes without filters at this time. Also, someone came out on last Friday 22nd at about 4:45pm and my maintenance had already left for the day so I was told someone would be back today to make delivery. Will you please confirm that another delivery attempt will be made during business hours Monday - Friday 8am - 4:30pm. Thank you

Stephanie Eagle | Property Site Manager
Bradley Company
Eagle Ridge Square Apartments
6101 Eagle Ridge Ln
Flint, MI 48505
t 810.787.2400 | f 810.787.2641
www.bradleyco.com

-----Original Message-----
From: Eickholt, Jay (MSP) [mailto:EickholtJ1@michigan.gov]
Sent: Thursday, January 21, 2016 11:51 AM
To: seagle@bradleymgmt.com
Subject: Filter Tracking Sheet

Stephanie,

Attached is the tracking sheet for the water filter distribution. This needs to be completed and returned. If you could also account for the others who already have one that would be great.

Thank you,

-Jay

Eickholt, Jay (MSP)

From: Linda Stone <ldstone1970@gmail.com>
Sent: Monday, January 25, 2016 12:51 PM
Subject: MABAS New Agreements attached for comment
Attachments: Amended Statewide MABAS Agreement- Draft 1.25.16.docx; ATT00001.htm; New Statewide MABAS Agreement- Draft 1.25.16.docx; ATT00002.htm

MABAS Executive Board Member -
See email below with attachments from Julie Secontine.

Also, I'm trying to clean up this list. if you are receiving this email in error, please let me know ASAP.

Thanks,
Linda Stone

Begin forwarded message:

From: "Secontine, Julie L" <secontinej@oakgov.com>
Subject: New Agreements
Date: January 25, 2016 at 11:55:32 AM EST

Linda:
Please forward the attached to all MABAS Executive Board members for comment before February's meeting. All current MABAS members will sign the Amended Statewide Agreement. All incoming Divisions will sign the New Statewide Agreement. No resolution is necessary. Thanks.
Julie

Eickholt, Jay (MSP)

From: Adler, Jessi (DHHS)
Sent: Monday, January 25, 2016 11:18 AM
To: Hollaender, Henrik (MSP); Hunter, Janet (DHHS); Holmes, Virginia (DHHS)
Cc: Eickholt, Jay (MSP)
Subject: Re: Filter Donations
Attachments: Guidelines for Water Filter Donations.docx

Attached is a prettier-looking document about water filter donations. I was unsure about these two options so I've left them off for now until someone can give better information about them (specifically, the model number)

Manufacturer	Replacement Cartridge #	
Zero Technologies	ZF-201	water pitcher only
Brita Products Co.	FR-200	facet mount only

Once everyone on this email/others at EOC has approved the document, please send it back and I will have the JIC approve it. As noted, I'm understanding that this is not for public releasing, but for giving to specific donors who have already been vetted.

Jessi Adler
Communications Director
Michigan Community Service Commission
AdlerJ@michigan.gov
517-335-1013
www.michigan.gov/mcsc

From: Hollaender, Henrik (MSP)
Sent: Sunday, January 24, 2016 11:27 AM
To: Hunter, Janet (DHHS); Adler, Jessi (DHHS); Holmes, Virginia (DHHS)
Cc: Eickholt, Jay (MSP)
Subject: RE: Filter Donations

Thanks Janet. So the end product would be a flyer that MCSC could send to people looking to donate filters to inform them about their options? I think that is a great idea.

Here the procedure for accepting filter donations that we established with SEOC Logistics:

Guidelines for receiving donations of filters through local EOC
1. Will only accept filters that have been included in the list of "NSF Approved Filters and Replacements for Donation."
2. Will only accept filters in sealed boxes/packaging.
3. Will receive filters at overflow warehouses established for donations.
4. Will distribute filters with water donations to community organizations.

If this goes through the JIC, please make sure that it won't end up being an official press release (considering how hesitant SEOC Logistics was to allow us to accept filter donations in the first place, and the trouble that we are having with identifying potential warehouse space for donations).

Henrik

MSP/EMHSD

Planning Section
Genesee County EOC
810-232-2573

From: Hunter, Janet (DHHS)
Sent: Sunday, January 24, 2016 11:13 AM
To: Adler, Jessi (DHHS); Holmes, Virginia (DHHS)
Cc: Hollaender, Henrik (MSP); Eickholt, Jay (MSP)
Subject: Filter Donations

Jessi, can you work w/ the JIC to get the attached documetn formatted into a more official looking document? We sent this out to donors requesting to send filters.

Henrik is it ok to add the points you had the SEOC review regarding filters? If so, would you be so kind to send the final version of the points on to Jessi and cc me? Thanks. Janet

Janet Hunter

Volunteer & Community Engagement Director

Michigan Community Service Commission

235 South Grand Avenue

Lansing, MI 48933

hunterj8@michigan.gov

(989) 763-9421

Eickholt, Jay (MSP)

From: Jim Place <jimplace@sbcglobal.net>
Sent: Monday, January 25, 2016 9:56 AM
To: Eickholt, Jay (MSP)
Subject: Fwd: The Drinking Water Disaster in Flint MI
Attachments: Seychelle Capabilities Summary 1-20-16.pdf; ATT00001.htm

Jay:

Just to let you know that the package was delivered and signed for by somebody by the name of Smith, probably in your mail room.

Please confirm that you got the package.

Be sure and wet out the filter In each bottle. The simplest way to do this is to fill a bottle and squeeze it into the sink with the straw open on the cap. You may see some residue from wetting the filter. Do this a couple of times then you're ready to try the water that's creating all the issues.

I will call you tomorrow after you've had a chance to do that and review some of the materials that were sent in the package as well as look at the email I sent with the capabilities summary sheet attached.

If you have any questions today, don't hesitate to give me a call.

Regards,

Jim

Sent from my iPhone

Begin forwarded message:

> **From:** Jim Place <jimplace@sbcglobal.net>
> **Date:** January 22, 2016 at 1:08:51 PM PST
> **To:** Jay Eickholt <eickholtj1@michigan.gov>
> **Subject: The Drinking Water Disaster in Flint MI**
> **Reply-To:** Jim Place <jimplace@sbcglobal.net>
>
> Dear Jay:
>
> I enjoyed talking with you today about the possibilities with the Seychelle Advanced Filter Bottle which takes out all of the contaminants in drinking water. Seychelle has just been

approved by FEMA and we are in the process with GSA as a potential supplier for disaster relief with other government agencies with a superior water filtration system in a bottle that takes all of the contaminants out on the EPA list for drinking water.

I would like to introduce you to Seychelle Water Filtration Products as we have been in business since 1998 with 17 years of experience. We are a fully licensed and insured **Small Business** serving all of the United States as well as overseas. We are a company working in the field of portable water filtration bottles with breakthrough technology that takes all of the contamination out of drinking water, not just lead that is on the EPA list noted on our website and as stated in the capabilities statement with a link to the website. What you don't know is that there are usually more contaminants in the water than municipalities realize. We have sold over 7.5 million filters products to-date in a variety of containers; but primarily bottles.

This is unmatched by anyone in the business as they only take out primarily chlorine, taste and odor (CTO) and a few other contaminants, This is the primary reason people purchase bottled water (don't like their tap water) which is a single use bottle that ends up in a land fill. All Seychelle products are Biodegradable, BPA free, are non-toxic and do not leach as bottle water plastic (PET) does. Our plastic bottles are LDPE.

We have developed lasting relationships with numerous qualified businesses which include customers and vendors. This includes having an outstanding reputation with city and state agencies. Since we are a publicly traded (OTCQB/SYEV) company, this includes the SEC since we are required to file quarterly reports. Importantly we are approved by FEMA and in the process of being approved by GSA to make this contact with you.

We would sincerely appreciate working with you on your current drinking water disaster as well as your future ventures and look forward to your association with us.

In this regard, We are sending under separate cover, 2 bottles for you to try with the contaminated drinking water that Flint MI residents are having to deal with now. Included in the bottle shipment that you should receive on Monday, will be some recent research on the viability of our proprietary filter technology prepared by our President, Carl Palmer. Be sure to follow the directions with the bottles as the filters in the bottles are shipped dry and you have to get them wet to be able to use them. Each bottle is equal to 750 1/2 liters of bottle water which makes the product very economical compared to bottled water.

I will call you next Tuesday to make sure you received the two bottles and research on Monday. Hopefully you will have had a chance to test them during this time of need. Please view our attached government targeted capability statement as well.

Regards,

Jim Place
Seychelle

CFO & Director
949-636-0866

RETAIN THIS IMAGE
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Eickholt, Jay (MSP)

From: Gutierrez, David M. <David.Gutierrez@redcross.org>
Sent: Monday, January 25, 2016 8:10 AM
To: Roach, Billie Jo (MSP); Eickholt, Jay (MSP)
Subject: Fwd: IAP 01/24/2016
Attachments: IAP_17_DR806-Jan-24-16.pdf; ATT00001.htm

Subject: IAP 01/24/2016

Good Morning
Attached is the IAP with updated info. Kristy Gallagher is our OPS AD.
I will join Kristy on the 10:30 call and make the introduction.
Thank you
Dave

Dave Gutierrez, Division Disaster Director
Cell:
Sent from my iP

Eickholt, Jay (MSP)

From: DeVriendt, Chris <CDeVriendt@co.genesee.mi.us>
Sent: Sunday, January 24, 2016 5:41 PM
To: Eickholt, Jay (MSP)
Subject: Lead Info Sheet
Attachments: 2015-10-21_-_Lead_-_Flint_Water_FINAL_504265_7.pdf

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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Eickholt, Jay (MSP)

From: Tafoya, Cpt. Casey <CTafoya@co.genesee.mi.us>
Sent: Sunday, January 24, 2016 11:34 AM
To: Eickholt, Jay (MSP)
Subject: FW: Adult Foster Care
Attachments: Adult foster-flint.xlsx

Some of these are located outside of the City of Flint and are not franchise water customers. I am reducing the list based on those factors and prioritizing according to need. The Valley Area on Aging (VAAA) is working on a new list for me that should include more locations. They should have the list by Monday.

FYI Jay is doing a GREAT JOB!

From: Swartout, April [mailto:ASWARTOUT@gchd.us]
Sent: Friday, January 22, 2016 2:16 PM
To: DeVriendt, Chris; Tafoya, Cpt. Casey
Subject: Adult Foster Care

Adult foster care with Flint addresses – note that some of them are likely Flint Twp,

April L. Swartout, M.P.A.
Emergency Preparedness Coordinator
Public Health Program Coordinator
Genesee County Health Department
630 S. Saginaw St., Suite 4
Flint, MI 48502
(810) 424-4441
Fax: (810) 257-3147

Genesee County Health Department
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For a copy of the Health Department's Notice of Information Practices, contact the Health Department or visit the Health Department's website at http://www.gchd.us/

Eickholt, Jay (MSP)

From: Hunter, Janet (DHHS)
Sent: Sunday, January 24, 2016 11:14 AM
To: Adler, Jessi (DHHS); Holmes, Virginia (DHHS)
Cc: Hollaender, Henrik (MSP); Eickholt, Jay (MSP)
Subject: Filter Donations
Attachments: NSF Approved Filters and Replacements for Donation (1).xlsx

Jessi, can you work w/ the JIC to get the attached documetn formatted into a more official looking document? We sent this out to donors requesting to send filters.

Henrik is it ok to add the points you had the SEOC review regarding filters? If so, would you be so kind to send the final version of the points on to Jessi and cc me? Thanks. Janet

Janet Hunter
Volunteer & Community Engagement Director
Michigan Community Service Commission
235 South Grand Avenue
Lansing, MI 48933
hunterj8@michigan.gov
(989) 763-9421

Eickholt, Jay (MSP)

From: Mills, Brian (MSHDA)
Sent: Saturday, January 23, 2016 8:13 PM
To: MSP-seoclgc
Cc: Galbreath, Wendy (MSP); Burger, Penelope (MSP); Nobach, Tonya (MSP); Eickholt, Jay (MSP); MSP-SEOC11; Rose, Kelly (MSHDA)
Subject: MSHDA - FYI
Attachments: Flint unit addresses.xlsx

Dear MSP Team:

Thank you for your help on Friday with the two large rental apartment complexes that needed additional supplies. Much appreciated.

In the spirit of keeping you in the loop, I have attached a document with 453 confidential home addresses to various individuals in the City of Flint. For these addresses, we have asked each landlord to be sure to install water filters for tenants living at these locations. While we anticipate most landlords have made contact and installed water filters, our team will be doing some follow-up during the week of February 2nd to ensure landlord compliance.

At this time, we don't need anything, I simply wanted to make you aware that MSHDA had communicated with landlords associated with these distinct 453 units and asked them to install filters and we'll be following up in a week's time to ensure that has been completed. As you know, we distributed nearly 1,500 of the 2,000 filters last Saturday to our larger complex units – you should have that spreadsheet as well. The remaining 500 filters have been and will be used for these said addresses. I had promised to get you those addresses last week and I am just following up with that information now.

Thank you for your time,

Brian Mills

Brian Mills
Chief Operating Officer
Michigan State Housing Development Authority (MSHDA)
735 E. Michigan Ave. | Lansing, MI 48912
Office: 517.241.4322 |

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Saturday, January 23, 2016 2:17 PM
To: Eickholt, Jay (MSP); Kuzera, Michelle (MSP); Hollaender, Henrik (MSP); Heintzelman Shasta; MSP-SEOC11; Decastro, Michael (MSP); Roach, Billie Jo (MSP)
Subject: FW:), has not received water yet.
Attachments: image001.jpg; image002.gif; image003.gif; image004.gif; image005.gif

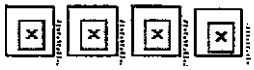
Please check into.

From: Stoken, Laura (GOV)
Sent: Saturday, January 23, 2016 12:45 PM
To: MSP-seoclgc
Cc: Sachs, Tori (GOV)
Subject: Fwd: has not received water yet.

For your determination

Sent from my iPhone

Begin forwarded message:

> **From:** "Byrd, John (GOV)" <byrdj1@michigan.gov>
> **Date:** January 23, 2016 at 12:22:56 PM EST
> **To:** "Stoken, Laura (GOV)" <StokenL@michigan.gov>
> **Subject:** [redacted]
>
> Good afternoon:
>
> [redacted], has not received water as promised yet. She is on oxygen and is unable to get to a water station. She says she has contacted 211 and the Gov's office, but hasn't received any contact. May I please have you forward this for review.
>
> Thank you for all you do,
>
> John D. Byrd II
> Constituent Relations Specialist
> Executive Office of Governor Rick Snyder
> Phone: 517.335.7858
> Fax: 517.335.6863
>
>
> STAY CONNECTED:
> 

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Saturday, January 23, 2016 12:05 PM
To: Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Heintzelman Shasta; Hollaender, Henrik (MSP); Decastro, Michael (MSP); Roach, Billie Jo (MSP)
Subject: Rapid Response:
outreach
Attachments: image001.jpg; image002.gif; image003.gif; image004.gif; image005.gif

Please investigate

(Capt requested a change from "hot shot" to "rapid response".)

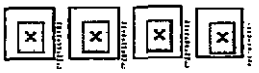
From: Stoken, Laura (GOV)
Sent: Saturday, January 23, 2016 11:15 AM
To: MSP-seoclgc
Cc: Sachs, Tori (GOV)
Subject: Fwd. , missed by outreach

For your team

Sent from my iPhone

Begin forwarded message:

> **From:** "Byrd, John (GOV)" <byrdj1@michigan.gov>
> **Date:** January 23, 2016 at 10:49:01 AM EST
> **To:** "Stoken, Laura (GOV)" <StokenL@michigan.gov>
> **Subject:** **, missed by outreach**
>
> Good morning:
>
> (Corner of Yale and Clara Street) has been missed by the outreach to Flint residents. She has pneumonia and has not been able to leave her home to get water. She believes residents in her area west of Clara Street, on Brandon and Miller streets also have been missed. She has contacted 211 and MSP, but still was missed. May I have you forward this to our team in Flint for review.
>
> Thank you for all you do,
>
> John D. Byrd II
> Constituent Relations Specialist
> Executive Office of Governor Rick Snyder
> Phone: 517.335.7858
> Fax: 517.335.6863
>
> STAY CONNECTED:



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Eickholt, Jay (MSP)

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Friday, January 22, 2016 5:52 PM
To: MSP-EOC-MDSP; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: Flint Water Response Team Plan for Saturday and Sunday 01 23_24 16_FINAL
Attachments: Flint Water Response Team Plan for Saturday and Sunday 01 23_24 16_FINAL.pdf

Good Evening,

Please see attached for the WRT Plans for Saturday & Sunday.

Thank you
Lauren

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
| lauren.twohig@redcross.org

Eickholt, Jay (MSP)

From: DeGrazia, Joseph (DEQ)
Sent: Friday, January 22, 2016 5:51 PM
To: Eickholt, Jay (MSP)
Subject: Updated Bullet Points
Attachments: EOC Points 22.Jan.2016.docx

These are the updated points

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Eickholt, Jay (MSP)

From: DeGrazia, Joseph (DEQ)
Sent: Friday, January 22, 2016 4:57 PM
To: Eickholt, Jay (MSP)
Subject: Re: Daily Log January 22, 2016
Attachments: EOC Points 22.Jan.2016.docx

From: Eickholt, Jay (MSP)
Sent: Friday, January 22, 2016 4:12 PM
To: DeGrazia, Joseph (DEQ)
Subject: Fwd: Daily Log January 22, 2016

Jay Eickholt
MSP/EMHSD

Sent from my iPhone

Begin forwarded message:

> **From:** "Halcomb, Edward" <Edward.Halcomb@redcross.org>
> **Date:** January 22, 2016 at 3:39:44 PM EST
> **To:** "Eickholt, Jay (MSP)" <EickholtJ1@michigan.gov>
> **Subject: Daily Log January 22, 2016**
>
> Hi Jay,
>
> Attached is the Daily Log for the Government Liaison in the Genesee County Emergency Operations Center for January 22, 2016.
>
> Respectfully,
>
> Ed
>
> J. Edward Halcomb, Government Liasion
> American Red Cross
> Genesee County Emergency Operations Center
> DR# 860-16 Fliint Water Crisis
>
> GCEOC: (810) 257-3171

Eickholt, Jay (MSP)

From: Halcomb, Edward <Edward.Halcomb@redcross.org>
Sent: Friday, January 22, 2016 4:52 PM
To: Eickholt, Jay (MSP)
Subject: IAP #14
Attachments: IAP_14_DR806-Jan-21-16[2].pdf

Good afternoon Jay,

I just received permission to forwaard the Red Cross, Incident Action Plan to the Genesee County Emergency Operations Center. Please review the attached document.

Respectfully,

Ed

J. Edward Halcomb, Government Liasion
American Red Cross
Genesee County Emergency Operations Center DR# 860-16 Flint Water Crisis

GCEOC: (810) 257-3171

Eickholt, Jay (MSP)

From: Jim Place <jimplace@sbcglobal.net>
Sent: Friday, January 22, 2016 4:09 PM
To: Eickholt, Jay (MSP)
Subject: The Drinking Water Disaster in Flint MI
Attachments: Seychelle Capabilities Summary 1-20-16.pdf

Jay Eickholt

Flint, MI

Dear Jay:

I enjoyed talking with you today about the possibilities with the Seychelle Advanced Filter Bottle which takes out all of the contaminants in drinking water. Seychelle has just been approved by FEMA and we are in the process with GSA as a potential supplier for disaster relief with other government agencies with a superior water filtration system in a bottle that takes all of the contaminants out on the EPA list for drinking water.

I would like to introduce you to Seychelle Water Filtration Products as we have been in business since 1998 with 17 years of experience. We are a fully licensed and insured **Small Business** serving all of the United States as well as overseas. We are a company working in the field of portable water filtration bottles with breakthrough technology that takes all of the contamination out of drinking water, not just lead that is on the EPA list noted on our website and as stated in the capabilities statement with a link to the website. What you don't know is that there are usually more contaminants in the water than municipalities realize. We have sold over 7.5 million filters products to-date in a variety of containers; but primarily bottles.

This is unmatched by anyone in the business as they only take out primarily chlorine, taste and odor (CTO) and a few other contaminants, This is the primary reason people purchase bottled water (don't like their tap water) which is a single use bottle that ends up in a land fill. All Seychelle products are Biodegradable, BPA free, are non-toxic and do not leach as bottle water plastic (PET) does. Our plastic bottles are LDPE.

We have developed lasting relationships with numerous qualified businesses which include customers and vendors. This includes having an outstanding reputation with city and state agencies. Since we are a publicly traded (OTCQB/SYEV) company, this includes the SEC since we are required to file quarterly reports. Importantly we are approved by FEMA and in the process of being approved by GSA to make this contact with you.

We would sincerely appreciate working with you on your current drinking water disaster as well as your future ventures and look forward to your association with us.

In this regard, We are sending under separate cover, 2 bottles for you to try with the contaminated drinking water that Flint MI residents are having to deal with now. Included in the bottle shipment that you should receive on Monday, will be some recent research on the viability of our proprietary filter technology prepared

by our President, Carl Palmer. Be sure to follow the directions with the bottles as the filters in the bottles are shipped dry and you have to get them wet to be able to use them. Each bottle is equal to 750 1/2 liters of bottle water which makes the product very economical compared to bottled water.

I will call you next Tuesday to make sure you received the two bottles and research on Monday. Hopefully you will have had a chance to test them during this time of need. Please view our attached government targeted capability statement as well.

Regards,

Jim Place
Seychelle
CFO & Director
949-636-0866

Eickholt, Jay (MSP)

From: Halcomb, Edward <Edward.Halcomb@redcross.org>
Sent: Friday, January 22, 2016 3:40 PM
To: Eickholt, Jay (MSP)
Subject: Daily Log January 22, 2016
Attachments: E.-Daily-Log-Form January 22, 2016.docx

Hi Jay,

Attached is the Daily Log for the Government Liaison in the Genesee County Emergency Operations Center for January 22, 2016.

Respectfully,

Ed

J. Edward Halcomb, Government Liasion
American Red Cross
Genesee County Emergency Operations Center DR# 860-16 Fliint Water Crisis

GCEOC: (810) 257-3171

Eickholt, Jay (MSP)

From: Kerry MacGregor <kerry.macgregor@HARTMANTYNER.com>
Sent: Friday, January 22, 2016 3:25 PM
To: Eickholt, Jay (MSP)
Subject: Re: Filter Tracking Sheet
Attachments: Water filters.pdf

Good afternoon - We have installed our water filters and I've attached the tracking sheet. Tommy will bring the hard copy on Monday.

Thank you so much for helping us out.

Kerry :)

Kerry MacGregor
Property Manager
Country Club Manor
1930-07 Woodslea Dr
Flint, MI 48507
(810) 743-3103

From: Eickholt, Jay (MSP) <EickholtJ1@michigan.gov>
Sent: Thursday, January 21, 2016 10:27 AM
To: Kerry MacGregor
Subject: RE: Filter Tracking Sheet

As a reminder the tracking sheet will need to be completed and returned as soon as possible.

Thank you,

-Jay

From: Eickholt, Jay (MSP)
Sent: Wednesday, January 20, 2016 12:33 PM
To: kerry.macgregor@hartmantyner.com
Subject: Filter Tracking Sheet

Thomas,

Attached is the tracking sheet for the filter. Please record all addresses that receive a filter.

-Jay Eickholt

Eickholt, Jay (MSP)

From: saquanda wright <saquandarichfield@yahoo.com>
Sent: Friday, January 22, 2016 1:28 PM
To: Eickholt, Jay (MSP)
Subject: Re: Water Filter Tracking Sheet
Attachments: Water Filter Tracking.xlsx; Water Filter Tracking 2.xlsx

On Friday, January 22, 2016 12:39 PM, "Eickholt, Jay (MSP)" <EickholtJ1@michigan.gov> wrote:

Hello,

Attached is the water filter tracking sheet that needs to be completed for any unit that is receiving a filter.

Also, can you please provide your direct phone number so I can submit it with your request.

-Jay

Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Friday, January 22, 2016 10:45 AM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hello Jay,

Attached you will find the spreadsheet for our water filter distribution for 1/21/16.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: Holbrook, Alana <Alana_Holbrook@cable.comcast.com>
Sent: Thursday, January 21, 2016 2:22 PM
To: Eickholt, Jay (MSP)
Cc: Dingler, Mike
Subject: Flint Water Filter Distribution
Attachments: Water Filter Tracking.xlsx

Hello Jay,

Attached you will find two tabs for our water filter distribution thus far.

One tab is for what was distributed on 1/19/16 and one tab for 1/20/16.

Please let me know if you have any questions/concerns

Thank you so much,

Alana Holbrook
Flint Technical Admin
3008 Airpark Dr. S
Flint, MI 48507
Office: (810) 235-7626

Fax: (810) 235-9205

Eickholt, Jay (MSP)

From: avonpark@huntingtonmanagement.com
Sent: Thursday, January 21, 2016 1:15 PM
To: Eickholt, Jay (MSP)
Subject: RE: Filter Tracking Sheet
Attachments: Water%20Filter%20Tracking(1).xlsx

Jay,

Here is page one of two will have other page to you shortly.

Thanks

Teresa
-----Original Message-----
From: "Eickholt, Jay (MSP)" <EickholtJ1@michigan.gov>
Sent: Wednesday, January 20, 2016 3:45pm
To: "avonpark@huntingtonmanagement.com" <avonpark@huntingtonmanagement.com>
Subject: Filter Tracking Sheet

Gary,

Attached is the tracking sheet for the filter. Please record all addresses that receive a filter.

Fax Machine: 517-333-4987 Put a cover sheet on it with the attention of Amanda Bresler or Sam Jonker-Burke

-Jay Eickholt

Eickholt, Jay (MSP)

From: Julie Wright <Wright.Julie@campusvillage.com>
Sent: Thursday, January 21, 2016 11:15 AM
To: Eickholt, Jay (MSP)
Subject: Water filter tracking
Attachments: Water Filter Tracking.xlsx

Attached is the water tracking spreadsheet that you requested. Please let me know if you any additional questions.

JulieWright
Community Manager
Campus Village Flint
810-232-4960
810-232-4952 Fax
wrightjulie@campusvillage.com

This communication may contain confidential or privileged information. Unauthorized use of this communication is strictly prohibited and may be unlawful. If you have received this communication in error, please immediately notify the sender by reply e-mail and destroy all copies of the communication and any attachments.

Eickholt, Jay (MSP)

From: DeVriendt, Chris <CDeVriendt@co.genesee.mi.us>
Sent: Thursday, January 21, 2016 10:11 AM
To: Eickholt, Jay (MSP)
Subject: Fwd: Ennis Center for Children
Attachments: image001.jpg

Can you follow up and see if they fit the model?

Chris

Sent from my iPhone

Begin forwarded message:

> **From:** "Thompson, Sheryl D. (DHHS)" <ThompsonS2@michigan.gov>
> **Date:** January 21, 2016 at 09:55:20 EST
> **To:** Lottie Ferguson <Lottie.Ferguson@enniscenter.org>
> **Cc:** Jamie Gaskin <jgaskin@unitedwaygenesee.org>, Chris DeVriendt <CDeVriendt@co.genesee.mi.us>
> **Subject: Re: Ennis Center for Children**
>
> Ok. Chris can you work with her on possibly being a distribution site as that is more your coordination.
>
> Lottie you can have someone go to GCCARD at 2727 Lippincott to pick up what you need. I have alerted Matt Odette.
>
> It is extremely important that you document each home that received a filter. Name address and type of filter.
>
> Sheryl Thompson
> Deputy Director of Field Operarions
> Dept of Health & Human Services
> 235 S. Grand Ave, Ste 1413
> Lansing, MI 48909
> 517-241-5954
>
> On Jan 21, 2016, at 10:49 AM, Lottie Ferguson <Lottie.Ferguson@enniscenter.org> wrote:
>
> > For Ennis: 20 filters and 50 replacement filters.
> >
> > Again, due to our extremely close proximity to the MTA Bus station, we are willing to be a distribution center for water, filters, replacement filters and testing kits for all Flint residents.

Lottie Ferguson
Fund Development Specialist
129 East Third Street
Flint, MI 48502
Office: 810 233 4031
Fax: 810 237 4141

Email: lottie.ferguson@enniscenter.org
Website: www.enniscenter.org
www.facebook.com/enniscenter
<image001.jpg>
Serving Michigan children and families through offices in Genesee, Oakland, St. Clair, Tuscola, and Wayne Counties

---

From: Thompson, Sheryl D. (DHHS) [mailto:ThompsonS2@michigan.gov]
Sent: Thursday, January 21, 2016 7:14 AM
To: Jamie Gaskin
Cc: Lottie Ferguson; Chris DeVriendt
Subject: Re: Ennis Center for Children

Lottie about how many would you need?

Sheryl Thompson
Deputy Director of Field Operarions
Dept of Health & Human Services
235 S. Grand Ave, Ste 1413
Lansing, MI 48909
517-241-5954

On Jan 20, 2016, at 11:09 PM, Jamie Gaskin <jgaskin@unitedwaygenesee.org> wrote:

> Chris: see note below. Ennis is large local foster care provider with state contacts now mandated by dhhs to supply water and filters. We need to get them supplied with filters and water as needed for foster kids pet dhhs. I also ccing in sheryl Thompson from dhhs to provide any needed claification. Thanks.
>
> Sent from my Verizon Wireless 4G LTE smartphone
>
> -------- Original message --------
> From: Lottie Ferguson
> Date:01/20/2016 8:37 PM (GMT-05:00)
> To: Jamie Gaskin

Subject: Ennis Center for Children

Good Evening,

The State of Michigan is requiring all foster homes to have documented proof that water filters are installed in every home inside the city of Flint. As a foster care and adoption agency, Ennis Center for Children would like to make it as easy as possible for all foster families to have access to water filters and their replacement cartridges. Ennis Center would like to apply to be a distribution site for these items, specifically. In addition to providing easy access for foster families who are regularly in our building, we are located steps from the main terminal of MTA, allowing easy access to many other families who may need assistance.

If you have any questions regarding this request, please do not hesitate to contact me using the information listed below.

Lottie Ferguson
Fund Development Specialist
Ennis Center for Children
129 E. Third Street
Flint, MI 48503
810.233.4031 - office

Eickholt, Jay (MSP)

From: Annita Fyvie <annitafyvie@yahoo.com>
Sent: Thursday, January 21, 2016 9:05 AM
To: Eickholt, Jay (MSP)
Subject: Westgate Manor
Attachments: Scan0021.pdf

Thanks so much for all of your help.

Westgate Manor
Annita Auld-Winn

Eickholt, Jay (MSP)

From: Roach, Billie Jo (MSP)
Sent: Wednesday, January 20, 2016 8:44 PM
To: Heintzelman Shasta; Eickholt, Jay (MSP); Hollaender, Henrik (MSP)
Subject: FW: call me
Attachments: GCHD Water Filter Distribution List.docx

Not sure if I sent this to you ...sorry if I did

From: Brickey, Tamara [mailto:tbrickey@gchd.us]
Sent: Thursday, January 14, 2016 11:14 AM
To: Roach, Billie Jo (MSP)
Subject: RE: call me

Hi BJ,

Please see the quick list I put together. Let me know if you need any explanation added.

Thanks,

Tamara Brickey, MS, CHES

Public Health Division Director
Genesee County Health Department
630 S. Saginaw Street
Suite 4
Flint, MI 48502
(810) 257-3202 Fax: (810) 257-3147
tbrickey@gchd.us

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For a copy of the Health Department's Notice of Information Practices, contact the Health Department or visit the Health Department's website at http://www.gchd.us/

From: Roach, Billie Jo (MSP) [mailto:RoachB@michigan.gov]
Sent: Wednesday, January 13, 2016 6:27 PM
To: Brickey, Tamara
Subject: call me

Hi Tamara, can you please call me tomorrow morning. I have a few questions ref special populations receiving filters. Thanks, Bj

Lt. BJ Roach
Third District Coordinator
Michigan State Police-Emergency Management and Homeland Security Division
6296 Dixie Hwy.
P.O. Box 608
Bridgeport, MI 48722
Ofc: 989-777-0650

Fax: 989-777-3571

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Eickholt, Jay (MSP)

From: Hunter, Janet (DHHS)
Sent: Wednesday, January 20, 2016 4:38 PM
To: Eickholt, Jay (MSP)
Subject: Water Donation Guidelines
Attachments: Guidelines for Water Donations Drives.pdf

Thank you Jay

Janet Hunter
Volunteer & Community Engagement Director
Michigan Community Service Commission
235 South Grand Avenue
Lansing, MI 48933
hunterj8@michigan.gov
(989) 763-9421

Eickholt, Jay (MSP)

From: suezett.edwards@dot.gov
Sent: Wednesday, January 20, 2016 2:24 AM
Subject: How to access the HMEP Grant Application Webinar for States and Territories (PLEASE READ BODY OF EMAIL!)
Attachments: 2016 HMEP Grant Application Webinar snm edits.pptx

Importance: High

A technical glitch prohibited the forwarding of the email earlier.

FYI-I WILL SEND THE NOTIFICATION VIA OUTLOOK.

1) If you cannot access Skype, please use the attach copy of the presentation for the visual and the telephone bridge for the audio.

2) Information for Telephone Bridge-You can attempt to access the bridge approximately 15 minutes before the start of the webinar at 1:30 PM EASTERN TIME.

Confirmation Number:

Dial in Number:

Participant Access Code

3) The webinar starts at **1:30 pm Eastern Time and will end at approximately 3:30 pm Eastern Time.**

4) I will join Skype at approximately 12:30 pm Eastern Time, therefore, it will give participants an opportunity to determine if they will use the attached copy of the presentation **or** view it via Skype. **I MUST JOIN SKYPE BEFORE YOU CAN SEE THE PRESENTATION. REMEMBER THE WEBINAR STARTS AT 1:30 PM EASTERN TIME. BUT I AM JOINING SKYPE EARLY.**

5) If you access Skype(scroll down to see link), please do the following:

Select don't join audio if you are asked if you want to join the Meeting Audio. Currently, this feature is not supported.

The **Instant Message feature is disabled**; therefore, please **do not attempt to use it** during the webinar.

The **video feature is disabled**; therefore, please **do not attempt to use it** during the webinar.

→ Join Skype Meeting

This is an online meeting for Skype for Business, the professional meetings and communications app formerly known as Lync.

Help

Dear Grantees:

This email is a follow-up to the notification regarding the HMEP Application Webinar dates. We are conducting a **free webinar training session** on the application process for the Hazardous Materials Emergency Preparedness (HMEP) grant and the significant changes to the grant that were made in the Fixing America's Surface Transportation (FAST) Act.

Even though the webinar will be recorded, closed-captioned, and placed on the PHMSA website and U.S. DOT YouTube, we encourage the programmatic and financial members of your staff to participate in the webinar.

Please follow the instructions included below to register to participate in the webinar.

Title: **PHMSA HMEP Grant Program Grant Application Development Webinar for States and Territories**

Date: January 20, 2016

Time: 1:30 p.m.-3:30 p.m. Eastern Time

The HMEP Grant Program's application process opens on February 1, 2016, and applications are due no later than May 2, 2016 at 11:59 PM Eastern Time. In this webinar, we will discuss:

- Overview of Program
- PHMSA Grant Schedule
- Changes to the HMEP Grant Program
- Pre-Application Needs Assessment
- Grant Application Guidance
- Budget Process
- Common Mistakes
- Question and Answer Session

If you intend to participate, when you accept the invitation please provide the information requested below for each individual requiring a line on the telephone bridge. If the staff plans to request one line to access the telephone bridge, you should provide the contact information for the individual designated to receive the telephone number and code required to access the audio for the webinar. Also, we need to know the number of individuals joining the Skype Meeting from a separate system. The information must be provided no later 3:00 PM Eastern Time on January 14, 2016 to suezett.edwards@dot.gov.

THE MAXIMUM NUMBER OF PARTICIPANTS FOR SKYPE FOR BUSINESS IS 250; THEREFORE, WE ENCOURAGE YOUR STAFF TO JOIN SKYPE FROM A CENTRALIZED LOCATION.

Name

Title
Organization
Telephone Number
E-mail Address
City, State

Number of lines required on the Telephone Bridge

Number of individuals joining the Skype Meeting from a separate system

Please be advised we are using Skype for Business instead of Microsoft Office Live Meeting for the webinar. Therefore, please follow the Skype for Business guidance included in this invitation. Also, if you have any questions regarding Skype for Business, Suezett Edwards can be contacted by email at suezett.edwards@dot.gov or by phone at 202-366-4863.

1) The organizer must join the webinar before the participant can join. Therefore, the organizer will join the webinar prior to 1:00 PM. Please join the webinar **between 1:00 PM and 1:30 PM by selecting Join Skype Meeting. If possible, you should try to join it at least 15 minutes before the start of the webinar.** Therefore, you can verify you have access prior to the start of the webinar.

2) You must select **don't join audio** when asked if you want to join the Meeting Audio. Currently, this feature is not supported. Therefore, you must use the telephone number and code provided for the telephone bridge to access the audio for the meeting. The information for the telephone bridge will be forwarded prior to the January 20, 2016 webinar.

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TIP -You don't need to download or install any apps to join a meeting with Skype for Business Web App. Just select **Join Skype Meeting** in the email or calendar meeting request you received. If the computer you're using doesn't have Skype for Business installed, a browser window opens and you can join the meeting.

Thank you.

The HMEP Grants Team
The Hazardous Materials Emergency Preparedness (HMEP) Grant Program
US Department of Transportation
Pipeline and Hazardous Materials Safety Administration
Office of Hazardous Materials Safety
HMEP.Grants@dot.gov
(202) 366-1109 phone
(202) 366-3753 fax

Eickholt, Jay (MSP)

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Wednesday, January 20, 2016 2:12 AM
To: MSP-EOC-MDARD; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: For Action: WRT 1.20.16
Attachments: Flint Water Response Team Plan for Wednesday 01 20 16_FINAL.pdf

Good Morning,

Attached is the updated WRT plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Wednesday 01 20 16_V2.0_FINAL

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 | [redacted] lauren.twohig@redcross.org

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Tuesday, January 19, 2016 3:48 PM
To: Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Heintzelman Shasta; Roach, Billie Jo (MSP); Decastro, Michael (MSP)
Cc: Holmes, Virginia (DHHS); Hunter, Janet (DHHS)
Subject: FW: RFF for 400k water
Attachments: RRF 400k liters water.pdf

Water from FEMA on it's way.

From: Gamble, Jason [mailto:jason.gamble@fema.dhs.gov]
Sent: Tuesday, January 19, 2016 3:15 PM
To: MSP-SEOCOPSC; MSP-seoclgc; Tillung, Todd
Subject: FW: RFF for 400k water

FYSA

V/r,
Jason

Jason C. Gamble
Department of Homeland Security
Federal Emergency Management Agency (FEMA)
Region V IMAT Operations Section Chief

E-mail: Jason.gamble@fema.dhs.gov

From: Session, Kendal
Sent: Monday, January 18, 2016 6:45 PM
To: FEMA-LRC-Chief; Demps, Darrien
Cc: MSP-SEOCOPSC; Samaniego, David; Tate-Nadeau, Alicia; Goyt, Josiah; Johnson, Steven; Garside, Russ; Smoot, Dale J; Gamble, Jason; Fulk, Deborah; Hardimon, Earnell; Dorko, Jeffrey; Gammon, Carla
Subject: RFF for 400k water

FYSA – confirming dispatching of 25 trailers of water 8 per being delivered to SSA at approximately 8 trucks per day

Kendal M Session
Region V IMAT
Logistic Section Chief
536 S Clark St.
6th Floor
Chicago, Il 60605

Kendal.Session@fema.dhs.gov

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Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Tuesday, January 19, 2016 3:09 PM
To: Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Heintzelman Shasta; Hollaender, Henrik (MSP); Roach, Billie Jo (MSP); Decastro, Michael (MSP)
Cc: Thelen, Richard (DHHS)
Subject: FW: City of Flint sites needing replacements
Attachments: Water Filter Database Report 1-11-2016.pdf; ATT00001.htm

Please address filter replacements.

From: Thelen, Richard (DHHS)
Sent: Tuesday, January 19, 2016 12:03 PM
To: MSP-seoclgc
Subject: Fw: City of Flint sites needing replacements

How do we handle sites that previously got stock from GCCARD?

From: Thompson, Sheryl D. (DHHS)
Sent: Tuesday, January 19, 2016 11:44:26 AM
To: Thelen, Richard (DHHS); Wilson, Brian (DHHS)
Subject: City of Flint sites needing replacements

Hi Richard, I'm being asked if the locations such as Housing Commission, Job Corp those on this list can also go to the warehouse for filters and replacement filters.

All were given Brita and now need PUR as its been 3 months.

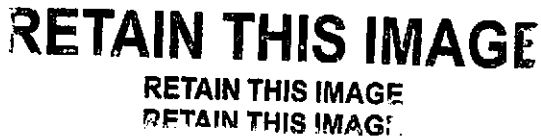
Previously they were calling Matt Purcell at GCCARD to get what they needed for the residents.

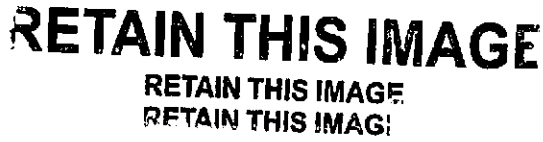
Job Corp called today and is waiting on a response.

Eickholt, Jay (MSP)

From: Wierzbicki, David (DEQ)
Sent: Tuesday, January 19, 2016 1:40 PM
To: Shane, Kirby (DEQ)
Cc: Eickholt, Jay (MSP)
Subject: Bottles have bottle lot labels
Attachments: IMG_0299.JPG; ATT00001.txt

Bottles have bottle lot labels on them.





Eickholt, Jay (MSP)

From: Wierzbicki, David (DEQ)
Sent: Tuesday, January 19, 2016 1:14 PM
To: Shane, Kirby (DEQ)
Cc: Eickholt, Jay (MSP)
Subject: Test Kits
Attachments: IMG_0298.JPG; ATT00001.txt

Here is a photo of a certified box. We have an extra zero on the end of the lot code on the box.

Eickholt, Jay (MSP)

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Tuesday, January 19, 2016 1:56 AM
To: MSP-SEOCGIS2; FEDERALSEOC; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282@vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mi; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP); Gutierrez, David M.; Gaskill-Clemons, Robert
Subject: For Action: Water Response Team Plan, Tuesday 011816_FINAL
Attachments: DailyPlanningMap_Due7pm_20160118_1947.pdf; Flint Water Response Team Plan for Tuesday 01 19 16_V2.0_FINAL.pdf; Water Response Team Concept of Operations and Support_V2.0_011816.pdf

Good Morning,

Attached is the updated plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Tuesday 01 19 16_V2.0_FINAL
Map with Daily Summary of Distribution Data	All	Daily planning map Due7pm 20160118 1947.pdf
Water Response Concept of Operations and Support	All	Water Response Team Concept of Operations and Support V2.0_011816.pdf

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 | [redacted] | lauren.twohig@redcross.org

Eickholt, Jay (MSP)

From: MSP-SEOCOPSC
Sent: Monday, January 18, 2016 1:38 PM
To: Kuzera, Michelle (MSP); Eickholt, Jay (MSP)
Subject: FW: Flint Apartments in Need of Filters
Attachments: MSHDA Flint Apartments Status Report.pdf; MSHDA Flint Apartments Status Report.xlsx

Does this answer Jay's questions? I have also asked about a contact at MISHDA to determine the number of Section 8 homes in affected area.

From: MSP-seoclgc
Sent: Monday, January 18, 2016 1:37 PM
To: MSP-SEOCOPSC
Subject: FW: Flint Apartments in Need of Filters

From: Mills, Brian (MSHDA)
Sent: Thursday, January 14, 2016 9:03 PM
To: MSP-seoclgc; Galbreath, Wendy (MSP)
Cc: Elsenheimer, Kevin (MSHDA); Brown, Melanie (DEQ); Hendges, Jeremy (TED); Feldpausch, Lynne (MEDC)
Subject: Flint Apartments in Need of Filters

Dear Outreach Unit Manager Galbreath:

First and foremost, thank you for speaking with me today when I stopped by your office. I appreciate your quick attention to my inquiry.

Pursuant to our follow up conversation later this afternoon, attached (in excel and or as a pdf) is a listing and status report of the various apartment/housing complexes that utilize Flint municipal water that have a direct connection with the State of Michigan through various financing programs associated with the Michigan State Housing Development Authority (MSHDA).

We have outreached to most of these properties and have identified which ones we believe need additional attention by ways of delivery of filters to affected tenants. As I indicated over the phone, we would like to coordinate a team of dedicated state employees from MSHDA that stand ready to pick up and deliver filters to these properties immediately with your permission.

If at all possible, if you could review this list and let me know if and when our team could pick up the filters and deliver them to these units, it would most helpful. Please know that MSHDA is willing to pay for these filters as well if it means getting access to them quicker. We can pick them up wherever is quickest to acquire them.

Look forward to hearing from you tomorrow. Please contact me directly if you have any questions.

Respectfully,

Brian Mills

Brian Mills

Chief Operating Officer
Michigan State Housing Development Authority (MSHDA)
735 E. Michigan Ave. | Lansing, MI 48912
Office: 517.241.4322 |

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Eickholt, Jay (MSP)

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Monday, January 18, 2016 3:55 AM
To: Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mi; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: For Action: Water Response Team Plan, Monday 011816_FINAL
Attachments: OGCS_MSP WRT Volunteer Assembly Information V2.0_011816.pdf; Flint Water Response Team Plan for Monday 01 18 16_V2.0_FINAL.PDF; DailyPlanningMap_Due7pm_20160117_1937.pdf

Good Morning,

Attached is the updated plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Monday 01 18 16_V2.0_FINAL
Map with Daily Summary of Distribution Data	All	Daily planning map with Field Teams/PODs data as of 7:37pm 011716
Assembly Information for Volunteer Workforce	Volunteers	OGCS_MSP WRT Volunteer Assembly Information V2.0_011816

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
| lauren.twohig@redcross.org

Eickholt, Jay (MSP)

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Monday, January 18, 2016 3:48 AM
To: Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mi; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP); RHeath@co.genesee.mi.us
Subject: For Action: Water Response Team Plan, Monday 011816_FINAL
Attachments: DailyPlanningMap_Due7pm_20160117_1937.pdf; OGCS_MSP WRT Volunteer Assembly Information V2.0_011816.pdf; 20160116_Team_Assignment_Areas_Update.jpg; Flint Water Response Team Plan for Monday 01 18 16_V2.0_FINAL.PDF; Water Response Team Concept of Operations and Support_V2.0_011816.pdf

Good Morning,

Attached is the updated plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Monday 01 18 16_V2.0_FINAL
Map with Daily Summary of Distribution Data	All	Daily planning map with Field Teams/PODs data as of 7:37pm 011716
Assembly Information for Volunteer Workforce	Volunteers	OGCS_MSP WRT Volunteer Assembly Information V2.0_011816
Team Assignment Areas	All	20160116_Team_Assignment_Areas_Update.jpg
Concept of Operations and Support	All	Water Response Team Concept of Operations and Support_V2.0_011816.pdf

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
| lauren.twohig@redcross.org

Eickholt, Jay (MSP)

From: Mills, Brian (MSHDA)
Sent: Sunday, January 17, 2016 5:44 PM
To: Eickholt, Jay (MSP)
Subject: MSHDA Rental Units Filter Delivery and DTD schedule
Attachments: MSHDA Flint Apartments Status Report.xlsx

Mr. Eickholt,

Here is an update report on the properties we hit on Saturday with notes about each property. I hope it's helpful.

B.

Brian Mills
Chief Operating Officer
Michigan State Housing Development Authority (MSHDA)
735 E. Michigan Ave. | Lansing, MI 48912
Office: 517.241.4322 |

Eickholt, Jay (MSP)

From: Roach, Billie Jo (MSP)
Sent: Sunday, January 17, 2016 2:40 PM
To: Kuzera, Michelle (MSP); Eickholt, Jay (MSP)
Subject: FW: call me
Attachments: GCHD Water Filter Distribution List.docx

From: Brickey, Tamara [mailto:tbrickey@gchd.us]
Sent: Thursday, January 14, 2016 11:14 AM
To: Roach, Billie Jo (MSP)
Subject: RE: call me

Hi BJ,

Please see the quick list I put together. Let me know if you need any explanation added.

Thanks,

Tamara Brickey, MS, CHES

Public Health Division Director
Genesee County Health Department
630 S. Saginaw Street
Suite 4
Flint, MI 48502
(810) 257-3202 Fax: (810) 257-3147
tbrickey@gchd.us

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From: Roach, Billie Jo (MSP) [mailto:RoachB@michigan.gov]
Sent: Wednesday, January 13, 2016 6:27 PM
To: Brickey, Tamara
Subject: call me

Hi Tamara, can you please call me tomorrow morning. I have a few questions ref special populations receiving filters. Thanks, Bj

Lt. BJ Roach
Third District Coordinator
Michigan State Police-Emergency Management and Homeland Security Division
6296 Dixie Hwy.
P.O. Box 608
Bridgeport, MI 48722
Ofc: 989-777-0650

Fax: 989-777-3571

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Eickholt, Jay (MSP)

From: DeVriendt, Chris <CDeVriendt@co.genesee.mi.us>
Sent: Sunday, January 17, 2016 12:02 PM
To: Eickholt, Jay (MSP)
Subject: FW: Zerowater_FiltersforFlint_FINAL
Attachments: Zerowater_FiltersforFlint_FINAL.docx

Importance: Low

Just an FYI... I have already passed this on to the JIC.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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From: Jamie Gaskin [mailto:jgaskin@unitedwaygenesee.org]
Sent: Sunday, January 17, 2016 11:04 AM
To: Jamie-Lee Venable; Amy Meister; DeVriendt, Chris
Subject: Fwd: Zerowater_FiltersforFlint_FINAL
Importance: High

Fyi:

This is program they are launching and will donate filters. We will give all the filters to the EOC stock pile as they arrive. I expect this to be happening 3 to 4 weeks out. Jist fyi. They will focus on 8 and 23 cup pitchers and replacement cartridges.

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: Doug Kellam
Date:01/17/2016 10:21 AM (GMT-05:00)
To: Jamie Gaskin
Subject: Zerowater_FiltersforFlint_FINAL

Jamie,

Sorry I should have gotten this to you earlier. Please let me know if you are fine with it.

Let me know if you want your contact information on the bottom too.

Thanks,
Doug

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Eickholt, Jay (MSP)

From: postmaster@Michigan.gov
Sent: Sunday, January 17, 2016 1:09 PM
To: Eickholt, Jay (MSP)
Subject: Delivery Final Failure Notice
Attachments: original.eml

Can not deliver the message you sent. Will not retry.

Sender: <EickholtJ1@michigan.gov>

The following addresses had delivery problems

<cdevriendt@co.genesee.co.mi> : Reply from lsns2t.state.mi.us[10.254.254.25]:
<<< Relay domain does not exist.

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Sunday, January 17, 2016 8:22 AM
To: Roach, Billie Jo (MSP); Kuzera, Michelle (MSP); Eickholt, Jay (MSP); MSP-SEOC11
Cc: MSP-EOC-MDCH
Subject: FW:
Attachments: msg0031.WAV

From: Sachs, Tori (GOV)
Sent: Saturday, January 16, 2016 6:40 PM
To: MSP-seoclgc
Subject:

We received another voicemail from She is now complaining about her hair falling out, so perhaps someone may advise her to contact the health department or PCP, if that is appropriate.

Can you ensure she received a filter, too? From the sounds of her voicemail she hasn't received one yet.

Eickholt, Jay (MSP)

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Sunday, January 17, 2016 2:46 AM
To: Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282@vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mi; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP); Gutierrez, David M.; MSP-SEOCGIS; MSP-SEOCGIS2
Subject: For Action: Water Response Team Plan, Sunday 011716_FINAL
Attachments: Water Response Team Concept of Operations and Support_V2.0_01172016.pdf; Flint Water Response Team Plan for Sunday 01 17 16_2 0_FINAL.pdf

Good Morning,

Please see attached for today's Water Response Team (WRT)Plan and Version 2.0 of the WRT Concept of Support and Operations.

Please disseminate as necessary.

Thank you
Lauren

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 | [redacted] | lauren.twohig@redcross.org

Eickholt, Jay (MSP)

From: MSP-SEOC11
Sent: Saturday, January 16, 2016 8:52 AM
To: shawn.scott-fitzgera@service.redcross.org; Robert.Gaskill-Clemons@redcross.org; Lauren.Twohig@redcross.org; MSP-seoclgc; MSP-seocda2; Wolf, Jennifer (DNR); MSP-seocda1; plangc; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); MSP-SEOC5; Johnson, Michael (MSP); 9066304282@vzwpix.com; MSP-SEOCPSC@michigan.gov; MSP-SEPCPSC@michigan.gov; Thelen, Richard (DHHS); MSP-seoclgc; MSP-SEOC11; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; plangc; MSP-seocda2; MSP-seocda1; MSP-SEOC05@michigan.gov; FEDERALSEOC; MSP-EOC-MDMVA; shawn.scott-fitzgera@service.redcross.org
Cc: MSP-SEOC11
Subject: Water Resource Teams
Attachments: Water Resource Team Concept of Operations and Support_V1.0_011516.pdf; Water Resource Team Plan for Saturday, 01.16.16_V2.0_FINAL.pdf

These documents detail today's Water Resource Team (WRT)Plan and the WRT Concept of Support and Operations.

Thank you
Lauren

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
| lauren.twohig@redcross.org

Eickholt, Jay (MSP)

From: MSP-seoclgc
Sent: Friday, January 15, 2016 7:45 PM
To: Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Roach, Billie Jo (MSP); MSP-SEOC11
Subject: FW: CONSTITUENT NEEDS HELP
Attachments: msg0021.WAV

From: Sachs, Tori (GOV)
Sent: Friday, January 15, 2016 6:07 PM
To: MSP-seoclgc
Subject: CONSTITUENT NEEDS HELP:

Needs help installing her filter.

Can you send this to the local EOC too?

Eickholt, Jay (MSP)

From: Nigro, Gary A <nigrog@oakgov.com>
Sent: Friday, January 15, 2016 4:33 PM
To: MSP-EMHSD
Cc: Georgopoulos, Carly (MSP); Eickholt, Jay (MSP); Conforti, Holly M
Subject: RE: DR-4195 Quarterly Report
Attachments: EMD-014 PAGP Project Quarterly Progress Report 1-15-16.docx

Carly,

Attached is the January 15, 2016 quarterly progress report for the work to repair the retention treatment basin in Oakland County that was damaged as a result of the Aug 11, 2014 rain event.

Our contractor has been busy working through December and January and has all of the new actuators installed as well as various electrical repairs completed.

Please let me know if you have any questions.

Gary Nigro, P.E.
Assistant Chief Engineer
WRC
WATER RESOURCES COMMISSIONER
Jim Nash
One Public Works Drive
Waterford, MI 48328-1907
(248) 858-5243
Fax: (248) 858-1066
Web site www.oakgov.com/water

From: MSP-EMHSD [mailto:MSP-EMHSD@michigan.gov]
Sent: Tuesday, January 05, 2016 11:28 AM
Cc: Georgopoulos, Carly (MSP); Eickholt, Jay (MSP)
Subject: DR-4195 Quarterly Report

All:

Our records indicate your jurisdiction currently has an open large project (total cost over $120,000) resulting from presidentially declared disaster, DR-4195. Per the signed grant agreement, your jurisdiction must submit a quarterly progress report for all open large projects. Only one report should be submitted listing all open large projects.

Attached is a copy of the new quarterly progress report. The completed report should be emailed to MSP-EMHSD@michigan.gov **no later than January 15.**

If you have questions on the open projects your jurisdiction should be reporting on, please contact us as soon as possible.

Thank you,

Brianna Briggs

State Public Assistance Officer
Emergency Management
and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, Michigan 48910
TX: (517) 333-4553

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Eickholt, Jay (MSP)

From: DeVriendt, Chris <CDeVriendt@co.genesee.mi.us>
Sent: Friday, January 15, 2016 12:09 PM
To: Eickholt, Jay (MSP)
Subject: Fwd: Coca- Cola
Attachments: image001.png

Sent from my iPhone

Begin forwarded message:

From: Sean Kammer <skammer@cityofflint.com>
Date: January 15, 2016 at 11:59:51 EST
To: Anne Flores <annflores@coca-cola.com>, "DeVriendt, Chris" <cdevriendt@co.genesee.mi.us>, <broach@michigan.gov>
Subject: Re: Coca- Cola

Hi Anne,

Great to hear from you. Thank you for reaching out. Since we expect this crisis to continue as long as our infrastructure requires massive upgrades, we hope to establish a sustainable supply line of water and NSF certified filters for Flint residents.

For large donations of water, the State Emergency Operations Center has a large warehouse on Clio Road. I have included the emergency operations center contact in this email.

For monetary donations, we are directing people to the Flint Child Health and Development Fund administered by the Greater Flint Community Foundation: https://www.cfgf.org/cfgf/GoodWork/FlintArea/WaterCrisis/tabid/855/Default.aspx

Let me know if you would like more information.

Thank you,

On Thu, Jan 14, 2016 at 3:37 PM, Anne Flores <annflores@coca-cola.com> wrote:

Sean,

Hello, my name is Anne Flores. I am the Distribution Center Manager for Coca-Cola in Flint. I just wanted to reach out to you and give you my contact information and to see how we may be able to support the community with the ongoing water crisis. I know that your office is very busy, so please feel free to reach out to me at your convenience to discuss.

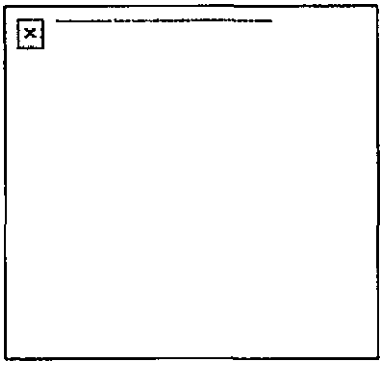
Thanks!

Anne Flores

Distribution Center Manager

Flint Distribution Center

614-440-7896



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--

Sean Kenneth Kammer, MPA
Assistant to the City Administrator
City of Flint, Michigan
1101 S. Saginaw St.
Flint, MI 48502
810-237-2025

Eickholt, Jay (MSP)

From: Jamie Gaskin <jgaskin@unitedwaygenesee.org>
Sent: Friday, January 15, 2016 9:00 AM
To: Eickholt, Jay (MSP)
Subject: Fwd: City of Flint - Water Issue
Attachments: image001.png

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: William E Kerr
Date:01/15/2016 8:57 AM (GMT-05:00)
To: "Rambo, Carolyn (DTMB)"
Cc: Jamie Gaskin , Scott Pepperman , "Hovey, Amy"
Subject: Re: City of Flint - Water Issue

I will be on thank you

Sent from my iPad

On Jan 15, 2016, at 8:56 AM, Rambo, Carolyn (DTMB) <RamboC1@michigan.gov> wrote:

> I have reserved a conference line for 9:15. The number is . the access code is
> Please let me know if you can all make it.
>
> Thanks,
>
> Carolyn Rambo, Program Supervisor
> State & Federal Surplus Property Program
> Logistics & Operations Support Division
> 3111 W. St. Joseph St., Lansing, MI 48917
> ramboc1@michigan.gov
> (517) 241-4947 Office
>
> (517) 334-8262 Fax
> <image001.png>

From: William E Kerr [mailto:wekerr@feedingamerica.org]
Sent: Friday, January 15, 2016 7:31 AM
To: Jamie Gaskin <jgaskin@unitedwaygenesee.org>
Cc: Rambo, Carolyn (DTMB) <RamboC1@michigan.gov>; Scott Pepperman

<executivedirector@nasasp.org>; Hovey, Amy <Amy.Hovey@mail.house.gov>
Subject: Re: City of Flint - Water Issue

Sorry all missed this yesterday was tied up
What time is call

Sent from my iPhone

On Jan 15, 2016, at 7:03 AM, Jamie Gaskin <jgaskin@unitedwaygenesee.org> wrote:

> I am forwarding this as a priority email to Bill Kerr at the Food Bank of Eastern Michigan. I am not sure if he has returned the call back but he is coordinating all deliveries and has a handle on the warehousing that developed to support the process. I will also have a follow-up call with Bill this morning.
>
> **Jamie Gaskin**
> CEO
> **United Way of Genesee County**
> Phone: 810.762.0856|
> **jgaskin@unitedwaygenesee.org**
> 111 E. Court St., Suite 3A, Flint, MI 48502
>
> <image002.jpg><image003.png><image004.png>
>
> **GIVE. ADVOCATE. VOLUNTEER.**

From: Rambo, Carolyn (DTMB) [mailto:RamboC1@michigan.gov]
Sent: Thursday, January 14, 2016 3:22 PM
To: Scott Pepperman <executivedirector@nasasp.org>; Jamie Gaskin <jgaskin@unitedwaygenesee.org>
Cc: Hovey, Amy <Amy.Hovey@mail.house.gov>; Bill Kerr <wekerr@feedingamerica.org>
Subject: RE: City of Flint - Water Issue

Scott I am available until 5 today.

Thanks,

Carolyn Rambo, Program Supervisor
State & Federal Surplus Property Program
Logistics & Operations Support Division
3111 W. St. Joseph St., Lansing, MI 48917
ramboc1@michigan.gov
(517) 241-4947 Office

(517) 334-8262 Fax
<image009.png>

From: Scott Pepperman [mailto:executivedirector@nasasp.org]
Sent: Thursday, January 14, 2016 2:00 PM
To: Jamie Gaskin <jgaskin@unitedwaygenesee.org>
Cc: Hovey, Amy <Amy.Hovey@mail.house.gov>; Bill Kerr <wekerr@feedingamerica.org>; Rambo, Carolyn (DTMB) <RamboC1@michigan.gov>
Subject: Re: City of Flint - Water Issue

Good Afternoon all. Sorry for the delay in getting back to you. I have heard from FEMA after the Holidays and they have 2 million liters of water available right now. Perhaps we should try to get together briefly on the telephone to discuss. I understand that our office in Michigan has secured free transportation for this water, the problem may be storage.

Can someone get on the telephone yet today? Tomorrow I will be out of pocket for most of the day, although I could get on the telephone before 10 am.

Thanks.

On Mon, Dec 21, 2015 at 10:01 AM, Jamie Gaskin <jgaskin@unitedwaygenesee.org> wrote:

Scott:

Thanks for reaching out. The United Way has been purchasing between 3-4 trucks of water each month. The last several trucks have been "free" surplus water from locations in Maryland and I believe we have a connection with water in North Carolina.

Our only cost is shipping. We can ship for a very inexpensive cost from the east coast but the shipping cost pushes up if we transport from south or west.

Bill Kerr, FoodBank of Eastern MI CEO has taken the lead on the logistics and coordination of all this water. It has been critical to pace deliveries so we can have storage space and smooth local distribution.

The United Way of Genesee County has been picking up the cost for this transportation and any purchasing costs.

Please connect directly with Bill Kerr on the water you have and the availability. I have cced him into this email. Thanks so very much!

Jamie Gaskin
CEO
United Way of Genesee County
Phone: 810.762.0856|
jgaskin@unitedwaygenesee.org
111 E. Court St., Suite 3A, Flint, MI 48502

<image002.jpg><image003.png><image004.png>

From: Hovey, Amy [mailto:Amy.Hovey@mail.house.gov]
Sent: Monday, December 21, 2015 9:00 AM
To: 'Scott Pepperman' <executivedirector@nasasp.org>
Cc: Jamie Gaskin <jgaskin@unitedwaygenesee.org>
Subject: RE: City of Flint - Water Issue

Hi Scott –

I tried to call you this morning. Thank you for reaching out and trying to assist Flint during this water crisis. Jamie Gaskin, United Way Executive Director, is taking the lead on water and filter distribution here in Flint. He would have the best information on what the community still needs. I have copied him on this email and his phone number is 810.762.0856. The United Way is also currently covering the transportation costs for the surplus water that Flint is getting from FEMA.

Please let me know if you need anything else from our office. I have a bust schedule today but if you call me on my cell, I can step out of the meeting and take your call (810.241.3864).

Thanks!
Amy

Amy Hovey
District Chief of Staff
Congressman Dan Kildee (MI-05)
111 East Court Street, #3B.
Flint, MI 48502
Phone: 810-238-8627
www.dankildee.house.gov
<image010.gif><image011.gif> <image012.jpg> <image013.png>

http://dankildee.house.gov/newsletter-subscription/

***WE MOVED!** Please note that our OFFICES HAVE RELOCATED*

From: Scott Pepperman [mailto:executivedirector@nasasp.org]
Sent: Sunday, December 20, 2015 11:31 PM
To: Hovey, Amy
Subject: City of Flint - Water Issue

Good Evening Amy. I wanted to introduce myself and my organization to you tonight. I got your information from the Congressman's Chief of Staff, Jennifer. I can assist you with water needs in Flint, in both now and for the future. In order to proceed, I need to know what the needs immediately are for Flint. This will start the process to acquire the water and begin to work on transportation.

For your general information, I have attached some information about the Program and NASASP. Please let me know as soon as possible what you need and I would be happy to assist you in getting the water. Feel free to email or call me at the numbers listed below.

Best Wishes.

--
Scott E. Pepperman, Executive Director
National Association of State Agencies for Surplus Property
5 Briarwood Court
Mechanicsburg, Pa. 17050
Telephone: 717-389-5100
E-mail: ExecutiveDirector@nasasp.org
web site: www.nasasp.org

--
Scott E. Pepperman, Executive Director
National Association of State Agencies for Surplus Property
5 Briarwood Court
Mechanicsburg, Pa. 17050
Telephone: 717-389-5100
E-mail: ExecutiveDirector@nasasp.org
web site: www.nasasp.org

Eickholt, Jay (MSP)

From: Charles Schubert <cschubert@centerline.gov>
Sent: Friday, January 15, 2016 7:12 AM
To: Adam Carroll; Alan.Styles@mcd911.net; Andy Bezenah; Bill Forbush; Brad Drury; Brian Ball; Bruce Gaukel; bryan tyrell; Cchewning@livgov.com; Charles Schubert; Charles Schubert; Chris Izworski; Chris Tinney; Christopher Martin; Dave Agens; Dave Matzke; Dave McIntyre; Dave Peterson; David Smith; David Wooden; Frank DeLaTorre; Gary Dreyer; George Scrimger; Greg Amburgey; Greg Holman; Greg Lelito; Eickholt, Jay (MSP); Jeff Iverson; Jeff Johnson; Jim Kohsel; John Kramer; John Martinski; John Sigg; John Sigg; Jon Deming; Jon Unruh; Towne, Karen (LARA); Ken Sullivan; Larry Lamb; Larry Waligora; Lyn Nelson; Mark Barnes; Mark Brown; Michael O'Brian; Deprez, Michael (LARA); Mike Hall; Mike Martin; Pat Campbell; Patrick Parker; Paul Trinka; Rick Donahue; Rick Humphreys; Robert Bradley; Ryan Cohee ; Scott Cota; Scott Damon; Scott H. Tobey; Secontine, Julie ; Shawn Gleason; Shawn Grabinksi; Shawn Lutz; Stacy Madden; Steve Ronk; stn32rescue@comcast.net
Subject: January 13 2016 Executive Board Minutes
Attachments: MI MABAS Exec Bd Minutes Jan 2016 LS.pdf

To All,

Please find attached the January 13 executive board meeting minutes. Any corrections please let me know.

Linda Stone/
Charles Schubert
Secretary /Treasurer
MI-MABAS

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Eickholt, Jay (MSP)

From: Roach, Billie Jo (MSP)
Sent: Thursday, January 14, 2016 12:44 PM
To: Kuzera, Michelle (MSP); Eickholt, Jay (MSP)
Cc: Galbreath, Wendy (MSP)
Subject: FW: call me
Attachments: GCHD Water Filter Distribution List.docx

FYI.....these were filter distributions completed prior to the declaration by GCCARD, Health Dept, etc. Any questions plz let me know. Thanks, BJ

From: Brickey, Tamara [mailto:tbrickey@gchd.us]
Sent: Thursday, January 14, 2016 11:14 AM
To: Roach, Billie Jo (MSP)
Subject: RE: call me

Hi BJ,

Please see the quick list I put together. Let me know if you need any explanation added.

Thanks,

Tamara Brickey, MS, CHES

Public Health Division Director
Genesee County Health Department
630 S. Saginaw Street
Suite 4
Flint, MI 48502
(810) 257-3202 Fax: (810) 257-3147
tbrickey@gchd.us

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For a copy of the Health Department's Notice of Information Practices, contact the Health Department or visit the Health Department's website at http://www.gchd.us/

From: Roach, Billie Jo (MSP) [mailto:RoachB@michigan.gov]
Sent: Wednesday, January 13, 2016 6:27 PM
To: Brickey, Tamara
Subject: call me

Hi Tamara, can you please call me tomorrow morning. I have a few questions ref special populations receiving filters. Thanks, Bj

Lt. BJ Roach
Third District Coordinator
Michigan State Police-Emergency Management and Homeland Security Division
6296 Dixie Hwy.
P.O. Box 608
Bridgeport, MI 48722
Ofc: 989-777-0650

Fax: 989-777-3571

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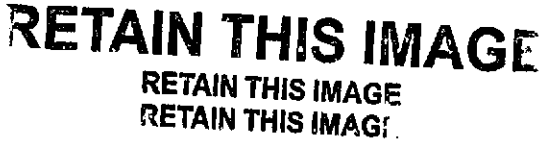
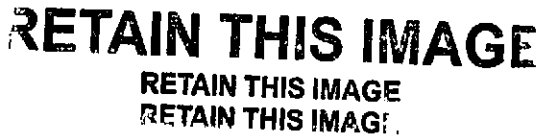
Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Thursday, January 14, 2016 8:52 AM
To: Galbreath, Wendy (MSP); Hampton, Jacqueline (MSP); Eickholt, Jay (MSP)
Attachments: IMG_1040.JPG; ATT00001.txt



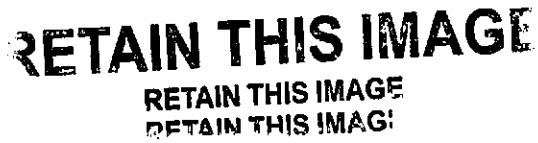
Eickholt, Jay (MSP)

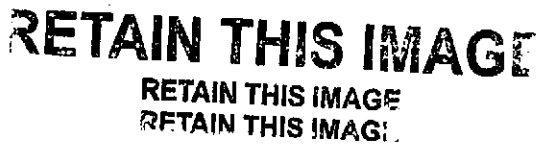
From: Russo, Mark (MSP)
Sent: Thursday, January 14, 2016 8:52 AM
To: Hampton, Jacqueline (MSP); Eickholt, Jay (MSP); Galbreath, Wendy (MSP)
Attachments: IMG_1041.JPG; ATT00001.txt



Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Thursday, January 14, 2016 8:52 AM
To: Eickholt, Jay (MSP); Galbreath, Wendy (MSP); Hampton, Jacqueline (MSP)
Attachments: IMG_1044.JPG; ATT00001.txt



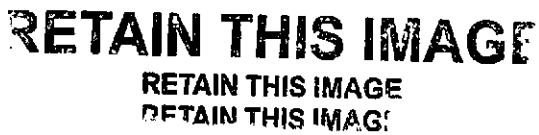


Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Thursday, January 14, 2016 8:51 AM
To: Hampton, Jacqueline (MSP); Galbreath, Wendy (MSP); Eickholt, Jay (MSP)
Attachments: IMG_1045.JPG; ATT00001.txt

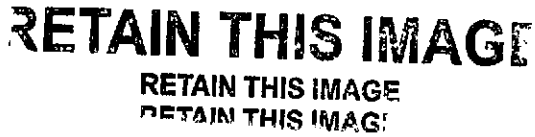
Eickholt, Jay (MSP)

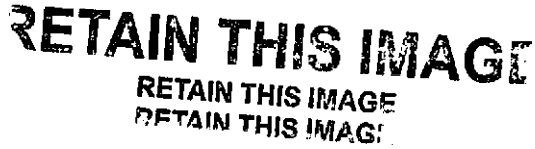
From: Russo, Mark (MSP)
Sent: Thursday, January 14, 2016 8:51 AM
To: Galbreath, Wendy (MSP); Eickholt, Jay (MSP); Hampton, Jacqueline (MSP)
Attachments: IMG_1049.JPG; ATT00001.txt



Eickholt, Jay (MSP)

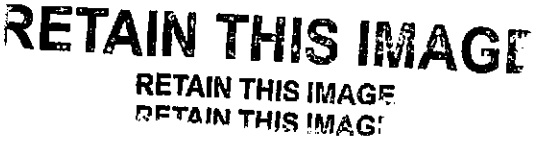
From: Russo, Mark (MSP)
Sent: Thursday, January 14, 2016 8:50 AM
To: Eickholt, Jay (MSP); Galbreath, Wendy (MSP); Hampton, Jacqueline (MSP)
Attachments: IMG_1048.JPG; ATT00001.txt





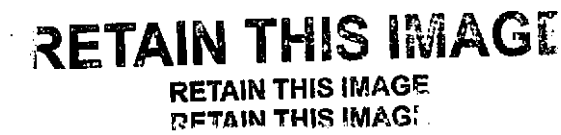
Eickholt, Jay (MSP)

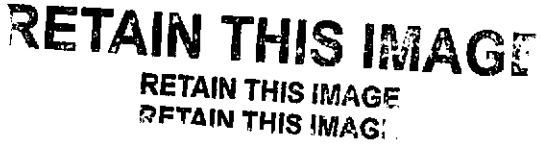
From: Russo, Mark (MSP)
Sent: Thursday, January 14, 2016 8:50 AM
To: Eickholt, Jay (MSP); Galbreath, Wendy (MSP); Hampton, Jacqueline (MSP)
Attachments: IMG_1047.JPG; ATT00001.txt



Eickholt, Jay (MSP)

From: Russo, Mark (MSP)
Sent: Thursday, January 14, 2016 8:49 AM
To: Eickholt, Jay (MSP); Hampton, Jacqueline (MSP); Galbreath, Wendy (MSP)
Attachments: IMG_1046.JPG; ATT00001.txt





Eickholt, Jay (MSP)

From: Scott-Fitzgerald, Shawn M. <shawn.scott-fitzgera@service.redcross.org>
Sent: Wednesday, January 13, 2016 5:48 PM
To: Eickholt, Jay (MSP)
Subject: 1-12-16
Attachments: INVENTORY.xlsx

Shawn Scott-Fitzgerald
Logistics Manager
563-663-2672

Unemployment Rate – Metro areas in MI (MSAs) Nov 2015 not seasonally adjusted MICHIGAN 5.1%

2.9% Ann Arbor	4.8%
3.0% Grand Rapids	5.0%
3.4% Lansing	5.8%
3.6% Monroe	6.1%
3.7% Kalamazoo	6.1%
3.9% Midland	6.0%
4.1% Battle Creek	6.3%
4.2% Jackson	6.6%
4.2% Niles-Benton Harbor	6.7%
4.3% Bay City	7.1%
4.4% Saginaw	7.3%
4.6% Muskegon	7.4%
4.8% Flint	7.8%
5.2% Detroit	8.5%

2014 MSA annual average

MICHIGAN 7.3%

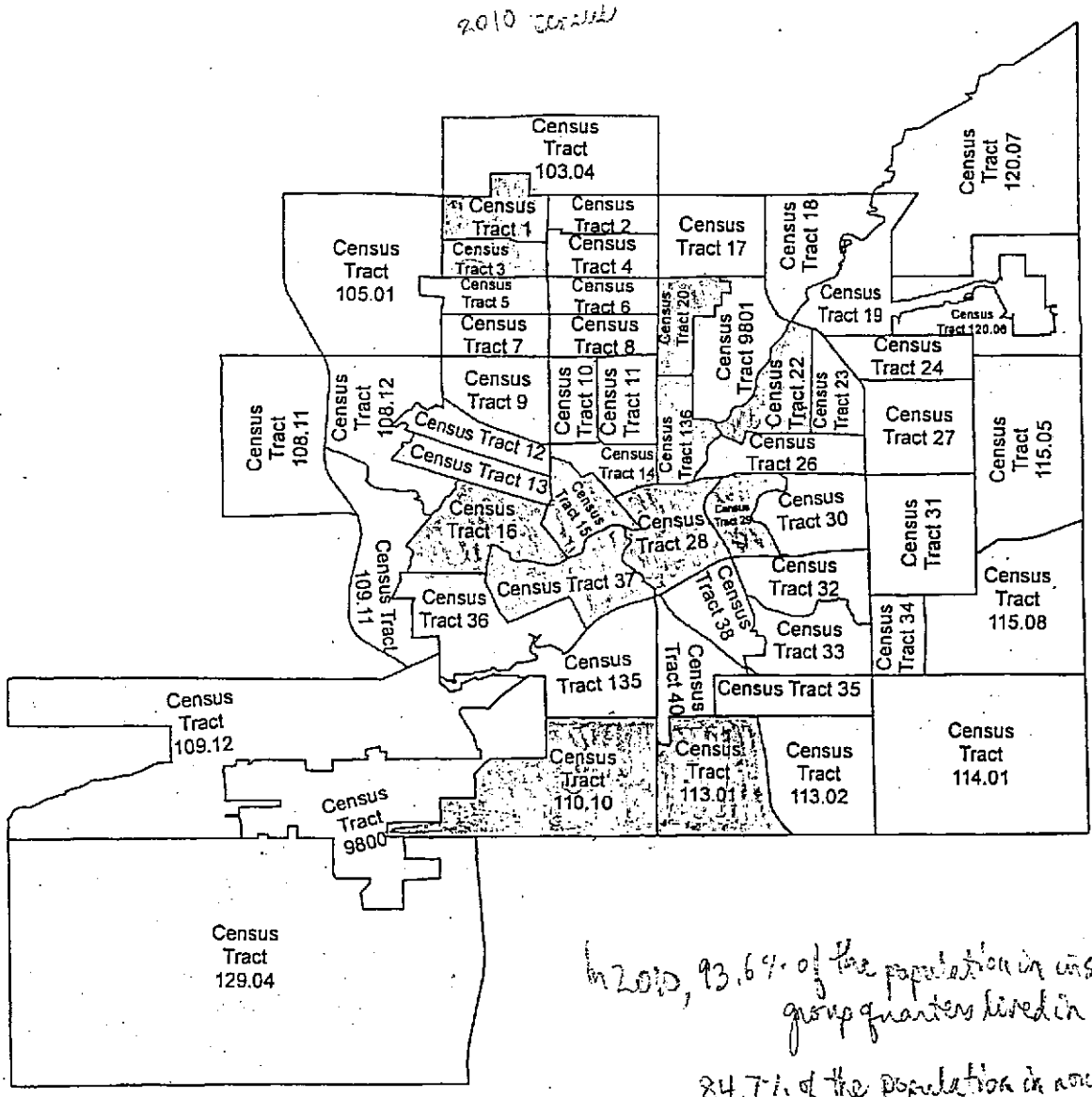
2014 Detroit city 2014 annual avg. 16.7%

2014 Genesee County annual avg. 7.3%

US Census ACS 2014 1 year est. Unemployment Rate

US (pop age 16+)	7.2%
MI	8.3%
Genesee Co.	11.9%
Flint	23.9%

2010 census



In 2010, 93.6% of the population in institutionalized group quarters lived in 6 census tracts.

84.7% of the population in noninstitutionalized group quarters lived in 12 census tracts.

2633 1444

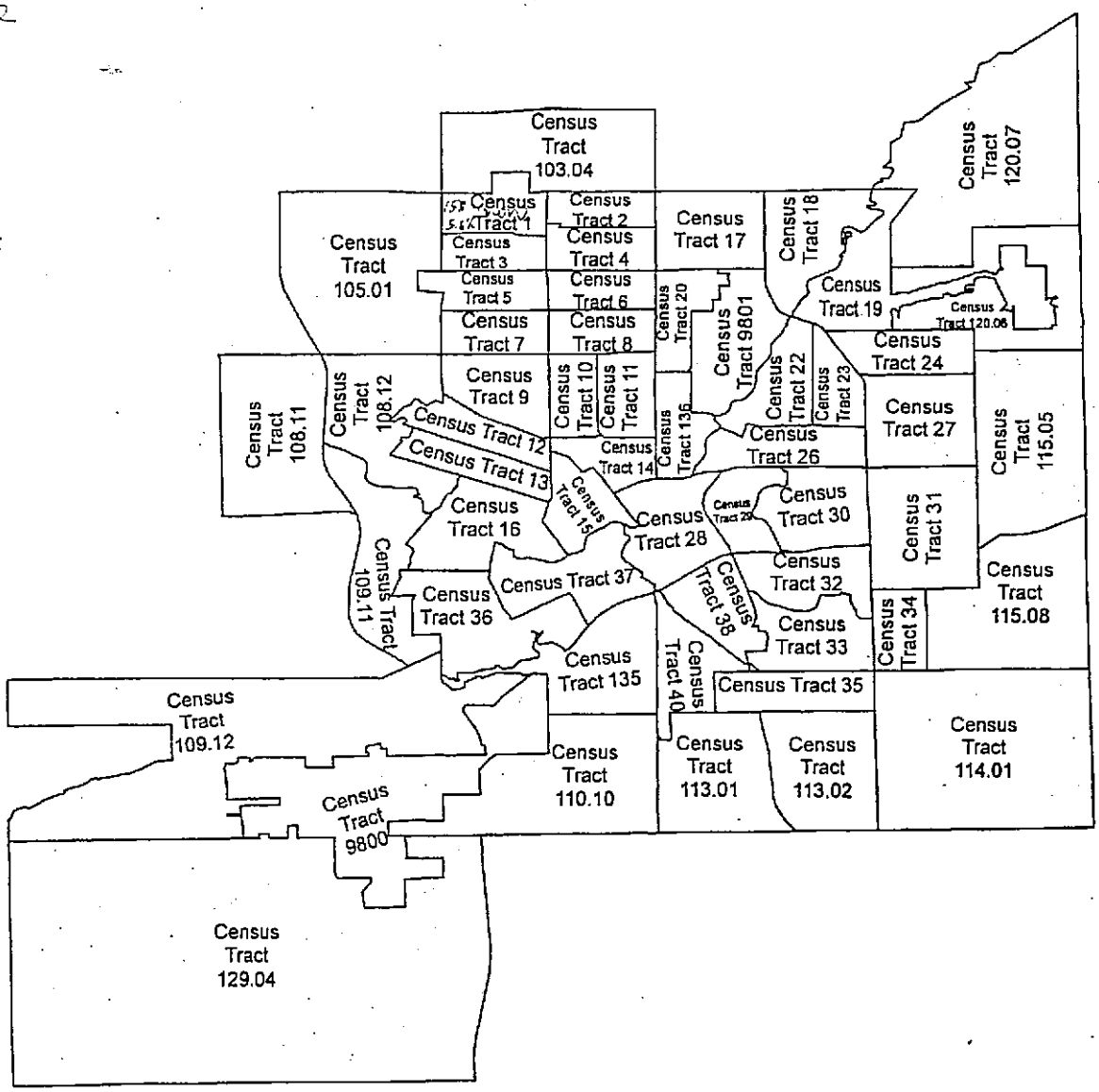
2010 SF1 100% data
Living quarters - Profile of Gen'l Pop & Hous Char, 2010

nonInst: 1444

Inst.

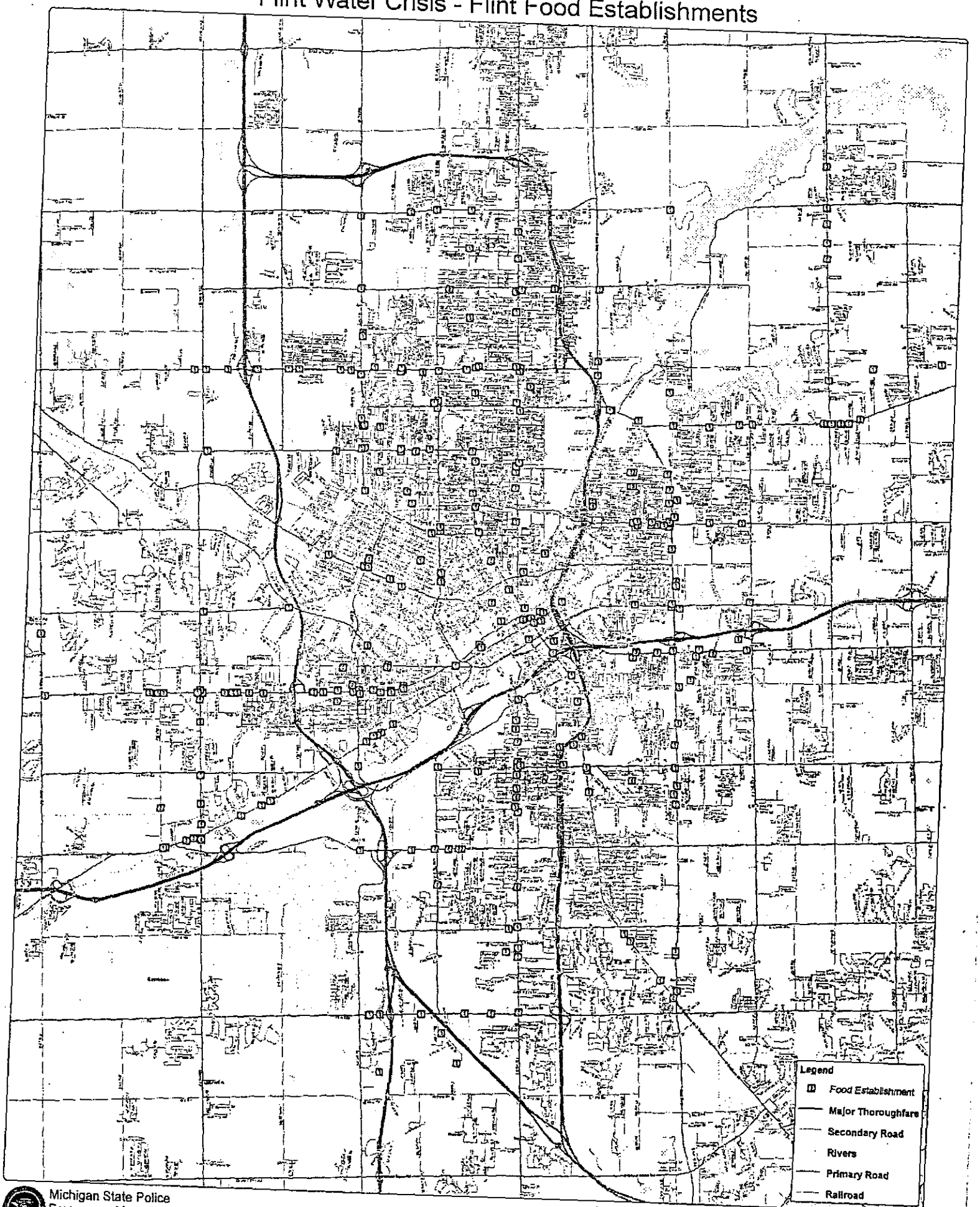
In group quarters: Plint total 3193 (3.1%)
(institutionalized 988 (1.0%)
(noninst 2205 2.3%)

Tract 1: 158
Tract 3: 84
Tract 6: 16
Tract 8: 5
Tract 9: 11 | 12
Tract 10: 3
Tract 11: 10
Tract 12: 5 | 6
Tract 13: 14
Tract 14: 16 | 34
Tract 15: 63 | 30
Tract 16: 238 | 4
Tract 19: 11
Tract 20: 129
Tract 22: 237
Tract 23: 40
Tract 24: 5
Tract 26: 1
Tract 27: | 85
Tract 28: 651 | 644
Tract 29: 62
Tract 30: 11
Tract 31: 6
Tract 32: 17
Tract 33: 20
Tract 35: 34
Tract 36: 6
Tract 37: 56
Tract 38: 11
Tract 40: 12
103.04: 26
105.01: 12
108.12: 6 | 138
109.11: 21 | 148
108.11: 43 | 164
109.12: 10 | 6
110.10: 241
129.04: 18
Tract 136: 276 | 173
113.01: 78
113.02: 14



nonInst inst
T115.05: 6

Flint Water Crisis - Flint Food Establishments



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 1.5 3

The information is being provided by the City of Flint, Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD). The MSP/EMHSD assumes no responsibility for the completeness or accuracy of the data displayed on this map. Data errors were compiled from various sources and are not to be construed as a "legal description".

Author: MSP-SEOCGIS2@michigan.gov, (A111)
Created: 10:03 AM, 09 Jan 16

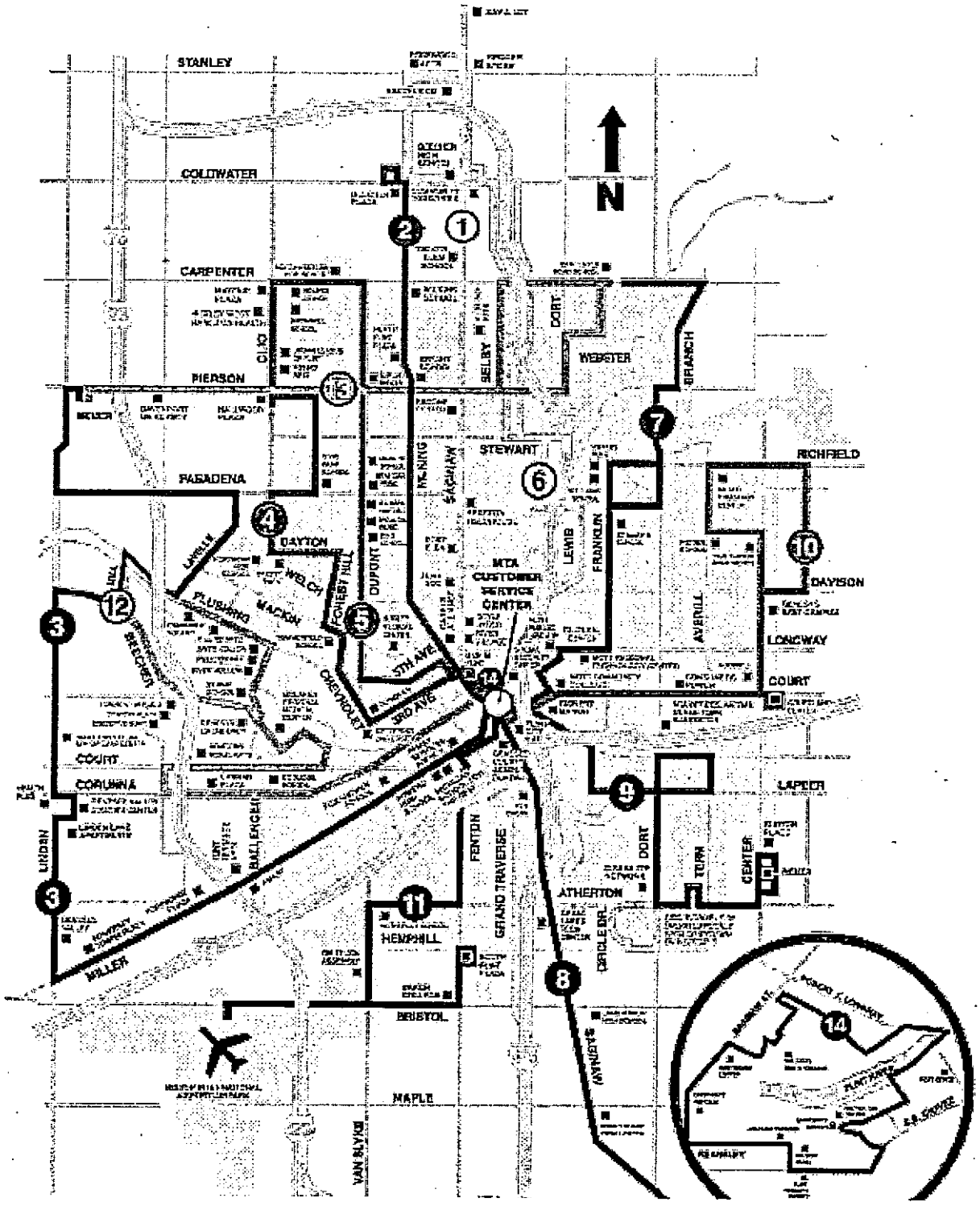

STANLEY
COLDWATER
CARPENTER
PIERSON
PASADENA
DAYTON
STEWART
WEBSTER
RICHFIELD
DAYTON
LONGWAY
COURT
CORUNNA
COURT
LAPEER
ATHERTON
HENRHILL
BRISTOL
MAPLE
MILLER
MTA CUSTOMER SERVICE CENTER
3RD AVE
4TH AVE
5TH AVE
CLIO
SELBY
DORT
BRANCH
DUPONT
WOODWARD
LAFAYETTE
FRANKLIN
LEMB
AVERILL
FENTON
GRAND TRAVERSE
CENTER
TURN
CADILLE DR.
ANNUBIS
VAN SLYKE
LINDEN
BOULEVARD
FLUSHING
MAPLEWOOD
GREENWOOD
FOREST HILL
LYLE
LOVELL
N

Table 7. Population of Incorporated Places of 10,000 or More: 1900 to 1970

[Data are shown for earliest census for which available. For meaning of symbols, see text]

Places	Population	Change from preceding census: Number	Change from preceding census: Percent
ADRIAN			
1970	20,382	35	0.2
1960	20,347	1,954	10.6
1950	18,393	4,163	29.3
1940	14,230	1,166	8.9
1930	13,064	1,186	10.0
1920	11,878	1,115	10.4
1910	10,763	1,108	11.5
1900	9,654	...	...
ALBION			
1970	12,112	-637	-5.0
1960	12,749	2,343	22.5
1950	10,406	2,061	24.7
1940	8,345	21	0.3
1930	8,324	-30	-0.4
1920	8,354	2,521	43.2
1910	5,833	1,314	29.1
1900	4,519	...	...
ALLEN PARK			
1970	40,747	3,253	8.7
1960	37,494	25,165	304.1
1950	12,329	8,842	253.6
1940	3,487	2,543	269.4
1930	944	...	...
ALPENA			
1970	13,805	-877	-6.0
1960	14,682	1,547	11.8
1950	13,135	327	2.6
1940	12,808	842	5.3
1930	12,186	1,065	9.6
1920	11,101	-1,605	-12.6
1910	12,706	904	7.7
1900	11,802	...	...
ANN ARBOR			
1970	99,797	32,457	48.2
1960	67,340	19,089	39.6
1950	48,251	18,436	61.8
1940	29,815	2,871	10.7
1930	26,944	7,428	38.1
1920	19,516	4,699	31.7
1910	14,817	308	2.1
1900	14,509	...	...
BATTLE CREEK			
1970	38,931	-5,238	-11.9
1960	44,169	-4,497	-9.2
1950	48,666	5,213	12.0
1940	43,453	-120	-0.3
1930	43,373	7,409	20.5
1920	36,164	10,897	43.1
1910	25,267	6,704	36.1
1900	18,563	...	...
BAY CITY			
1970	49,449	-4,155	-7.8
1960	53,604	1,081	2.1
1950	52,523	4,567	9.5
1940	47,956	601	1.3
1930	47,355	-199	-0.4
1920	47,554	2,388	5.3
1910	45,166	17,538	63.5
1900	27,628	...	...
BENTON HARBOR			
1970	16,481	-2,655	-13.9
1960	19,135	367	2.0
1950	18,769	2,101	12.6
1940	16,668	1,234	8.0
1930	15,434	3,201	26.2
1920	12,233	3,048	33.2
1910	9,185	2,823	40.0
1900	6,362	...	...
BERKLEY			
1970	22,618	-657	-2.8
1960	23,275	5,344	29.8
1950	17,931	11,525	180.0
1940	6,406	835	15.0
1930	5,571	...	...
BEVERLY HILLS			
1970	13,598	4,965	57.5
1960	8,633	...	...
BIG RAPIDS			
1970	11,996	3,309	38.1
1960	8,688	1,950	29.0
1950	6,738	1,749	35.1
1940	4,987	316	6.8
1930	4,671	113	2.5
1920	4,558	39	0.9
1910	4,519	-167	-3.6
1900	4,686	...	...
BIRMINGHAM			
1970	26,170	643	2.5
1960	25,523	10,058	65.0
1950	15,467	4,271	38.1
1940	11,196	1,657	17.4
1930	9,539	5,845	158.2
1920	3,694	2,087	129.9
1910	1,607	437	37.4
1900	1,170	...	...
CENTER LINE			
1970	10,379	215	2.1
1960	10,164	2,505	32.7
1950	7,659	4,461	139.5
1940	3,198	594	22.8
1930	2,604	...	...
CLAWSON			
1970	17,817	2,522	19.1
1960	14,795	9,599	184.7
1950	5,196	1,190	29.7
1940	4,006	629	18.6
1930	3,377	...	...
DEARBORN			
1970	104,199	-7,808	-7.0
1960	112,007	17,013	17.9
1950	94,994	31,410	49.4
1940	63,584	13,228	26.3
1930	50,358	47,888	1,000+
1920	2,470	1,559	171.1
1910	911	67	7.9
1900	844	...	...
DEARBORN HEIGHTS			
1970	80,069	...	...
DETROIT			
1970	1,511,482	-158,662	-9.5
1960	1,670,144	-179,424	-9.7
1950	1,849,568	226,116	13.9
1940	1,623,452	54,790	3.5
1930	1,568,662	574,984	57.9
1920	993,678	527,812	113.3
1910	465,766	180,062	63.0
1900	285,704	...	...
EAST DETROIT			
1970	45,920	164	0.4
1960	45,756	24,295	113.2
1950	21,461	12,877	150.0
1940	8,584	2,629	44.1
1930	5,955	...	...
EAST GRAND RAPIDS			
1970	12,585	1,641	15.0
1960	10,924	4,521	70.8
1950	6,403	1,504	30.7
1940	4,899	875	21.7
1930	4,024	2,714	207.2
1920	1,310	510	63.8
1910	800	334	71.7
1900	466	...	...
EAST LANSING			
1970	47,540	17,342	57.4
1960	30,198	9,873	48.8
1950	20,325	14,486	248.1
1940	5,839	1,450	33.0
1930	4,389	2,500	132.3
1920	1,889	1,087	135.5
1910	802	...	...
ECORSE			
1970	17,515	187	1.1
1960	17,328	-620	-3.5
1950	17,948	4,739	35.9
1940	13,209	493	3.9
1930	12,716	8,322	189.4
1920	4,394	3,331	313.4
1910	1,063	...	...
ESCANABA			
1970	15,368	-23	-0.1
1960	15,391	221	1.5
1950	15,170	340	2.3
1940	14,830	306	2.1
1930	14,524	1,421	10.8
1920	13,103	-81	-0.7
1910	13,194	3,845	38.2
1900	9,549	...	...
FARMINGTON			
1970	13,337	8,456	93.8
1960	8,881	4,556	196.0
1950	2,325	816	54.0
1940	1,519	267	21.5
1930	1,243	390	45.7
1920	853	289	51.2
1910	564	34	6.4
1900	530	...	...
FERNDALE			
1970	30,850	-497	-1.6
1960	31,347	1,672	5.6
1950	29,675	7,152	31.8
1940	22,523	1,668	8.0
1930	20,855	18,215	690.0
1920	2,640	...	...
FLINT			
1970	193,317	-3,623	-1.8
1960	196,940	33,797	20.7
1950	163,143	11,600	7.7
1940	151,543	-4,949	-3.2
1930	156,492	64,893	70.8
1920	91,599	53,049	137.6
1910	38,550	25,447	194.2
1900	13,103	...	...
FRASER[1]			
1970	11,868	4,841	68.9
1960	7,027	5,648	409.8
1950	1,379	632	84.6
1940	747	147	24.5
1930	600	353	142.9
1920	247	27	12.3
1910	220	-32	-12.7
1900	252	...	...
GARDEN CITY			
1970	41,864	3,847	10.1
1960	38,017	29,005	321.8
1950	9,012	4,916	120.0
1940	4,096	2,015	96.8
1930	2,081	...	...
GRAND HAVEN			
1970	11,844	776	7.0
1960	11,068	1,530	16.0
1950	9,538	737	8.4
1940	8,799	454	5.4
1930	8,345	1,140	15.8
1920	7,205	1,349	23.0
1910	5,856	1,113	23.5
1900	4,743	...	...
GRAND RAPIDS			
1970	197,649	20,336	11.5
1960	177,313	788	0.5
1950	176,515	12,223	7.4
1940	164,292	-4,300	-2.6
1930	168,592	30,958	22.5
1920	137,634	25,063	22.3
1910	112,571	25,006	28.6
1900	87,565	...	...
GRANDVILLE			
1970	10,764	2,789	35.0
1960	7,975	5,953	294.4
1950	2,022	456	29.1
1940	1,566	220	16.3
1930	1,346	547	68.5
1920	798	119	17.5
1910	680	223	48.8
1900	457	...	...
GROSSE POINTE FARMS			
1970	11,701	-471	-3.8
1960	12,172	2,762	29.4
1950	9,410	2,193	30.4

[1]Name changed from Fraser in 1928.

Table 4.—POPULATION OF URBAN PLACES OF 10,000 OR MORE FROM EARLIEST CENSUS TO 1950

["Uninc." designates an unincorporated place. *Minus sign (—) denotes decrease.* Percent not shown where less than 0.1]

Urban place and census year	Population	Increase over preceding census	
		Number	Percent
Adrian city:			
1950	18,393	4,163	29.2
1940	14,230	1,106	8.0
1930	13,004	1,186	10.0
1920	11,878	1,115	10.4
1910	10,763	1,109	11.5
1900	9,654	898	10.3
1890	8,756	907	11.6
1880	7,849	—589	—7.0
1870	8,438	2,225	35.8
1860	6,213		
Albion city:			
1950	10,400	2,061	24.7
1940	8,345	21	0.3
1930	8,324	—30	—0.4
1920	8,354	2,521	43.2
1910	5,833	1,314	29.1
1900	4,519	756	20.1
1890	3,763	1,047	38.5
1880	2,716		
Allen Park village:			
1950	12,320	8,842	253.6
1940	3,487	2,543	269.4
1930	944		
Alpena city:			
1950	13,136	327	2.6
1940	12,808	542	5.3
1930	12,166	1,065	9.6
1920	11,101	—1,605	—12.6
1910	12,706	904	7.7
1900	11,802	519	4.6
1890	11,283	5,130	83.4
1880	6,153		
Ann Arbor city:			
1950	48,251	18,430	61.8
1940	29,816	2,871	10.7
1930	26,944	7,428	38.1
1920	19,516	4,099	31.7
1910	14,817	308	2.1
1900	14,509	5,078	53.8
1890	9,431	1,370	17.0
1880	8,061	698	9.5
1870	7,363	2,266	44.5
1860	5,097		
Battle Creek city:			
1950	48,666	5,213	12.0
1940	43,453	—120	—0.3
1930	43,573	7,409	20.5
1920	36,164	10,807	43.1
1910	25,267	6,704	36.1
1900	18,563	5,366	40.7
1890	13,197	6,134	86.8
1880	7,063	1,225	21.0
1870	5,838		
1860	(1)		
1850	1,004		
Bay City:			
1950	52,523	4,567	9.5
1940	47,956	661	1.3
1930	47,295	—199	—0.4
1920	47,554	2,388	5.3
1910	45,166	17,538	63.5
1900	27,628	—211	—0.8
1890	27,839	7,146	34.5
1880	20,693	13,029	192.9
1870	7,664	5,481	340.2
1860	1,583		
Benton Harbor city:			
1950	18,769	2,101	12.0
1940	16,668	1,234	8.0
1930	15,434	3,201	26.2
1920	12,233	3,048	33.2
1910	9,185	2,623	40.0
1900	6,562	2,870	77.7
1890	3,692	2,462	200.2
1880	1,230	569	86.1
1870	661		
Berkley city:			
1950	17,081	11,525	180.0
1940	6,406	825	15.0
1930	5,671		
Birmingham city:			
1950	15,407	4,271	38.1
1940	11,196	1,557	17.4
1930	9,539	5,845	158.2
1920	3,694	2,087	120.9
1910	1,607	437	37.4
1900	1,170	271	30.1
1890	899	166	22.6
1880	733		
Cadillac city:			
1950	10,425	570	5.8
1940	9,855	286	3.0
1930	9,570	—180	—1.8
1920	9,750	1,376	16.4
1910	8,375	2,378	39.7
1900	5,997	1,536	34.4
1890	4,461	2,243	101.6
1880	2,218		
Dearborn city:			
1950	94,994	31,410	49.4
1940	63,584	15,226	25.2
1930	50,358	47,888	1,938.8
1920	2,470	1,659	171.1
1910	911	67	7.9
1900	844		
Detroit city:			
1950	1,849,568	220,116	13.9
1940	1,623,452	54,790	3.5
1930	1,568,662	574,984	57.9
1920	993,678	527,912	113.5
1910	465,766	180,002	63.0
1900	285,704	79,828	38.8
1890	205,876	80,536	77.0
1880	116,340	38,763	49.2
1870	79,577	33,958	74.4
1860	45,619	24,600	117.0
1850	21,019	11,917	130.9
1840	9,102	6,880	309.5
1830	2,222	800	56.3
1820	1,422		
East Detroit city:			
1950	21,461	12,877	150.0
1940	8,584	2,629	44.1
1930	5,955		
East Lansing city:			
1950	20,326	14,486	248.1
1940	5,839	1,450	33.0
1930	4,389	2,500	132.2
1920	1,889	1,087	135.5
1910	802		
Ecorse city:			
1950	17,948	4,739	35.9
1940	13,209	493	3.9
1930	12,716	8,322	189.4
1920	4,394	3,331	313.4
1910	1,063		
Escanaba city:			
1950	15,170	340	2.3
1940	14,830	306	2.1
1930	14,524	1,421	10.8
1920	13,103	—91	—0.7
1910	13,194	3,645	38.2
1900	9,549	2,741	40.3
1890	6,808	3,782	125.0
1880	3,026		
Ferndale city:			
1950	29,676	7,152	31.8
1940	22,523	1,668	8.0
1930	20,855	18,215	690.0
1920	2,640		
Flint city:			
1950	163,143	11,600	7.7
1940	151,543	—4,949	—3.2
1930	156,492	64,893	70.8
1920	91,599	53,049	137.6
1910	38,550	25,447	194.2
1900	13,103	3,300	33.7
1890	9,803	1,394	16.6
1880	8,409	3,023	56.1
1870	5,386	2,436	82.6
1860	2,950		
Grand Rapids city:			
1950	176,515	12,223	7.4
1940	164,292	—4,300	—2.6
1930	168,592	30,958	22.5
1920	137,634	25,063	22.2
1910	112,571	25,006	28.6
1900	87,565	27,287	45.3
1890	60,278	28,262	88.3
1880	32,016	15,509	94.0
1870	16,507	8,422	104.2
1860	8,085	5,309	201.0
1850	2,686		
Grosse Pointe Park village:			
1950	13,078	429	3.4
1940	12,648	1,472	13.2
Grosse Pointe Park village—Con.			
1930	11,174	9,819	724.8
1920	1,355	1,065	367.2
1910	290		
Grosse Pointe Woods village:			
1950	10,291	7,576	270.1
1940	2,805	1,844	191.9
1930	961		
Hamtramck city:			
1950	43,355	—6,484	—13.0
1940	49,839	—6,429	—11.4
1930	56,268	7,653	15.7
1920	48,615	45,056	1,260.0
1910	3,559		
Hazel Park city:			
1950	17,770		
Highland Park city:			
1950	46,393	—4,417	—8.7
1940	50,810	—2,149	—4.1
1930	52,959	6,466	12.0
1920	46,499	42,379	1,028.6
1910	4,120	3,693	864.9
1900	427		
Holland city:			
1950	16,858	1,242	8.5
1940	14,616	270	1.9
1930	14,346	2,163	17.8
1920	12,183	1,603	16.1
1910	10,490	2,700	34.7
1900	7,790	3,845	97.5
1890	3,945	1,323	50.6
1880	2,620	301	13.0
1870	2,319		
Inkster village:			
1950	16,728	9,684	137.5
1940	7,044	2,604	58.6
1930	4,440		
Ironwood city:			
1950	11,460	—1,003	—14.2
1940	13,360	—930	—6.5
1930	14,290	—1,440	—9.1
1920	15,739	2,018	22.8
1910	12,821	3,116	32.1
1900	9,705	1,960	25.3
1890	7,745		
Jackson city:			
1950	51,088	1,432	2.9
1940	49,656	—5,531	—10.0
1930	55,187	6,813	14.1
1920	48,374	10,941	83.9
1910	31,433	6,253	24.8
1900	25,180	4,382	21.1
1890	20,798	4,693	29.1
1880	16,105	4,658	40.7
1870	11,447	6,648	138.5
1860	4,799	2,436	103.1
1850	2,363		
Kalamazoo city:			
1950	57,704	3,697	6.7
1940	54,007	—680	—1.3
1930	54,755	6,200	13.0
1920	48,487	9,050	22.9
1910	39,437	15,033	61.6
1900	24,404	6,551	36.7
1890	17,853	5,016	49.6
1880	11,937	2,756	30.0
1870	9,181	3,111	51.3
1860	6,070	3,563	142.1
1850	2,507		
Lansing city:			
1950	92,129	13,376	17.0
1940	78,753	356	0.5
1930	78,397	21,070	36.8
1920	57,327	26,098	83.6
1910	31,229	14,744	89.4
1900	16,485	3,383	25.8
1890	13,102	4,783	57.5
1880	8,319	3,078	58.7
1870	5,241	2,167	70.5
1860	3,074		
Lincoln Park city:			
1950	29,310	14,074	92.4
1940	15,236	2,900	23.5
1930	12,336		

[1] Not returned separately.

Table 9. Population and Land Area of Counties: 1970 and 1960

[For meaning of symbols, see text]

Urban and Rural	Land area in square miles, 1970	1970 population								1960 population			Percent change, 1960 to 1970		
		Total		Urban			Rural								
		Number	Per square mile	Total	Percent of total	Urbanized areas	Other urban	Total	Places of 1,000 to 2,500	Other rural	Total	Urban	Rural	Total	Urban	Rural
The State	56,817	8,875,083	156.2	6,553,773	73.8	5,658,843	894,930	2,321,310	247,370	2,073,940	7,823,194	5,739,132	2,084,062	13.4	14.2	11.4
Alcona	572	7,113	10.3	-		-	-	7,113	-	7,113	6,352	-	6,352	12.0	...	12.0
Alger	905	8,568	9.5	3,677	42.9	-	3,677	4,891	-	4,891	9,250	4,228	5,022	-7.4	-13.0	-2.6
Allegan	828	86,575	80.6	15,014	22.8	-	15,014	51,561	3,078	48,483	87,729	14,726	43,003	15.3	1.9	19.8
Alpena	565	30,708	54.4	13,806	48.0	-	13,805	16,903	-	16,903	28,836	14,662	13,874	7.3	-6.0	21.8
Antrim	476	12,413	26.5	-	-	-	-	12,613	2,504	10,108	10,373	-	10,373	21.6	...	21.6
Arenac	367	11,149	30.4	-	-	-	-	11,149	1,184	9,965	9,880	-	9,880	13.1	...	13.1
Baraga	901	7,789	8.6	2,538	32.6	-	2,538	5,251	2,116	4,135	7,151	-	7,151	8.9	...	-26.6
Barry	554	38,186	68.8	6,501	17.0	-	6,501	31,665	3,423	28,242	31,738	6,375	25,363	20.3	2.0	14.8
Bay	447	117,339	262.5	78,352	66.8	78,097	255	38,987	3,239	35,748	107,042	72,783	34,278	9.6	7.7	13.7
Benzie	318	8,593	27.2	-	-	-	-	8,393	1,660	6,933	7,834	-	7,834	9.7	...	9.7
Berrien	580	163,872	282.5	75,012	46.4	21,001	54,021	87,863	12,122	74,721	149,889	74,279	75,580	9.3	2.3	18.3
Branch	508	37,906	74.9	9,098	24.0	-	9,089	28,807	3,844	23,183	34,903	8,880	26,023	8.6	2.5	10.7
Calhoun	709	141,963	200.2	84,577	59.6	-	84,577	57,186	3,378	53,010	138,858	90,103	48,755	2.2	-6.1	17.7
Cass	491	43,333	88.3	8,918	20.6	2,333	6,583	34,396	4,354	30,042	38,932	7,208	29,724	17.3	23.7	13.7
Charlevoix	414	16,541	40.0	8,488	39.2	-	8,485	10,063	3,041	6,012	13,421	8,548	7,873	23.2	16.8	27.7
Cheboygan	721	18,573	23.0	5,553	33.5	-	5,553	11,020	-	11,020	14,550	5,859	8,691	13.8	-5.2	28.8
Chippewa	1,590	32,412	20.4	21,467	66.2	-	21,467	10,945	-	10,945	32,635	18,722	13,913	-0.7	14.7	-21.5
Clare	571	16,805	29.3	2,839	15.8	-	2,839	14,056	1,480	12,576	13,647	-	13,647	23.2	...	20.7
Clinton	572	48,492	84.8	10,338	21.3	3,666	6,672	38,154	4,499	33,655	37,969	8,288	29,681	27.7	24.7	28.3
Crawford	561	6,482	11.6	-	-	-	-	6,482	2,143	4,339	4,971	-	4,971	30.4	...	30.4
Delta	1,177	33,924	30.5	20,605	37.4	-	20,605	13,319	1,085	14,234	34,295	20,658	13,640	4.7	-0.3	12.3
Dickinson	757	22,753	31.4	17,011	71.6	-	17,011	6,742	1,155	5,587	23,917	17,854	6,063	-0.7	-3.1	6.0
Eaton	571	68,892	120.7	28,984	42.1	10,214	18,770	39,904	4,104	35,698	49,684	19,301	30,383	38.7	50.2	31.3
Emmet	461	18,331	39.8	8,342	34.8	-	8,342	11,989	1,662	10,327	15,904	8,138	8,766	15.3	2.5	22.8
Genesee	642	644,341	892.1	343,671	77.3	330,128	13,543	100,670	7,793	92,877	374,313	281,630	82,683	18.7	17.9	21.5
Gladwin	503	13,471	26.8	-	-	-	-	13,471	2,071	11,400	10,769	-	10,769	25.1	...	25.1
Gogebic	1,107	20,976	18.7	14,273	68.0	-	14,273	6,403	1,068	5,335	24,770	16,800	7,970	-15.3	-15.1	-15.4
Grand Traverse	462	39,175	84.8	18,048	46.1	-	18,048	21,127	-	21,127	33,490	18,432	15,058	17.0	-2.1	40.3
Gratiot	568	39,246	69.3	16,840	42.4	-	16,840	22,606	1,257	21,349	37,011	13,987	23,023	6.0	8.1	4.6
Hillsdale	600	37,171	63.0	7,725	20.8	-	7,725	29,443	4,373	25,070	34,742	7,629	27,113	7.0	1.3	8.6
Houghton	1,017	34,652	34.1	13,763	39.7	-	13,736	20,887	3,472	17,415	33,884	11,473	24,181	-3.8	19.9	13.6
Huron	818	34,083	41.8	2,999	8.8	-	2,999	31,084	5,361	25,723	34,008	3,968	31,008	0.2	-	0.2
Ingham	559	261,038	467.0	223,702	85.7	215,634	8,068	37,337	4,335	33,002	211,296	173,578	37,718	23.6	28.9	-1.0
Ionia	573	43,348	79.7	15,299	33.4	-	15,299	30,349	3,147	27,402	43,133	14,971	28,161	6.3	2.2	8.5
Iosco	544	24,905	45.8	10,407	41.8	-	10,407	14,498	4,038	10,460	18,805	-	18,805	32.9	...	-12.2
Iron	1,171	13,813	11.8	2,884	19.4	-	2,884	11,129	4,823	6,306	17,184	3,754	13,430	-19.6	-23.1	-17.1
Isabella	572	44,394	78.0	20,304	46.0	-	20,304	24,090	1,418	22,674	33,348	14,973	20,373	26.2	37.2	17.7
Jackson	698	143,274	205.3	78,572	54.8	78,572	-	64,702	4,003	60,697	131,994	76,023	55,971	8.5	3.4	15.6
Kalamazoo	562	201,550	358.5	152,083	75.5	152,083	-	49,467	5,796	43,671	169,715	119,279	50,533	18.8	27.5	-2.1
Kalkaska	565	5,272	9.3	-	-	-	-	5,272	1,473	3,797	4,382	-	4,382	20.3	...	20.3
Kent	857	411,044	479.5	342,261	83.3	336,099	6,162	68,783	4,235	64,548	383,187	295,956	87,201	13.2	15.6	3.4
Keweenaw	539	2,384	4.3	-	-	-	-	2,384	-	2,384	3,417	-	3,417	-6.3	...	-6.3
Lake	571	5,661	9.9	-	-	-	-	5,661	-	5,661	5,338	-	5,338	6.1	...	6.1
Lapeer	658	52,317	79.5	6,270	12.0	-	6,270	46,047	3,914	42,133	41,826	6,180	35,646	24.6	1.5	28.7
Leelanau	345	10,872	31.5	-	-	-	-	10,872	-	10,872	9,221	-	9,221	18.5	...	18.5
Lenawee	753	81,805	108.4	33,273	40.3	-	33,273	48,758	5,701	43,035	77,789	33,501	43,288	4.9	0.9	7.8
Livingston	572	58,967	103.1	6,493	11.0	-	6,493	52,474	6,435	46,039	38,223	4,861	33,362	54.2	33.6	57.2
Luce	906	6,789	7.5	-	-	-	-	6,789	2,334	4,455	7,827	2,812	5,015	-13.3	...	30.2
Mackinac	1,014	9,660	9.5	2,882	29.8	-	2,882	6,768	-	6,768	10,853	3,334	7,519	-11.0	-13.5	10.0
Macomb	480	625,309	1,302.7	576,672	92.2	566,189	10,483	48,637	14,842	33,994	405,804	354,825	50,979	54.1	62.5	-4.8
Manistee	553	20,094	36.3	7,723	38.4	-	7,723	12,371	-	12,371	19,042	8,324	10,718	5.5	-7.2	15.4
Marquette	1,828	64,686	36.4	42,139	65.1	-	42,139	22,547	1,054	21,493	56,154	34,807	21,347	15.2	21.1	3.8
Mason	490	22,613	46.1	9,021	39.9	-	9,021	13,591	1,202	12,389	21,830	9,431	12,398	3.1	-4.3	8.7
Mecosta	560	27,992	50.0	11,995	42.9	-	11,995	15,997	-	15,997	21,051	8,886	12,365	33.0	35.1	29.4
Menominee	1,038	24,587	23.7	10,748	43.7	-	10,748	13,839	-	13,839	24,885	11,289	13,596	-0.4	-4.8	3.2
Midland	520	63,769	122.6	34,921	54.8	-	34,921	28,848	1,295	27,553	51,450	27,779	23,671	23.9	25.7	21.9

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	Flint city, Genesee County, Michigan	
	Estimate	Margin of Error
Total:	92,728	+/-435
Speak only English	90,131	+/-557
Spanish or Spanish Creole:	1,398	+/-293
Speak English "very well"	987	+/-231
Speak English less than "very well"	411	+/-133
French (incl. Patois, Cajun):	228	+/-97
Speak English "very well"	205	+/-92
Speak English less than "very well"	23	+/-25
French Creole:	8	+/-12
Speak English "very well"	0	+/-23
Speak English less than "very well"	8	+/-12
Italian:	33	+/-32
Speak English "very well"	17	+/-16
Speak English less than "very well"	16	+/-23
Portuguese or Portuguese Creole:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
German:	130	+/-73
Speak English "very well"	124	+/-72
Speak English less than "very well"	6	+/-9
Yiddish:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Other West Germanic languages:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Scandinavian languages:	23	+/-26
Speak English "very well"	23	+/-26
Speak English less than "very well"	0	+/-23
Greek:	60	+/-52
Speak English "very well"	46	+/-47
Speak English less than "very well"	14	+/-23
Russian:	44	+/-59
Speak English "very well"	32	+/-41
Speak English less than "very well"	12	+/-18
Polish:	18	+/-24

OK. Translation made. (too many protest?) 15,000 made

→ smaller numbers, but relevant?

Error > number

→ smaller numbers, but relevant?

→ smaller numbers, but relevant?

→ smaller numbers, but relevant?

	Flint city, Genesee County, Michigan	
	Estimate	Margin of Error
peak English "very well"	13	+/-21
Speak English less than "very well"	5	+/-12
Serbo-Croatian:	5	+/-9
Speak English "very well"	1	+/-3
Speak English less than "very well"	4	+/-8
Other Slavic languages:	33	+/-34
Speak English "very well"	33	+/-34
Speak English less than "very well"	0	+/-23
Armenian:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Persian:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Gujarati:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Hindi:	10	+/-18
Speak English "very well"	10	+/-18
Speak English less than "very well"	0	+/-23
Urdu:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Other Indic languages:	12	+/-17
Speak English "very well"	12	+/-17
Speak English less than "very well"	0	+/-23
Other Indo-European languages:	18	+/-24
Speak English "very well"	18	+/-24
Speak English less than "very well"	0	+/-23
Chinese:	138	+/-125
Speak English "very well"	65	+/-72
Speak English less than "very well"	73	+/-69
Japanese:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Korean:	2	+/-4
Speak English "very well"	0	+/-23
Speak English less than "very well"	2	+/-4
Mon-Khmer, Cambodian:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Hmong:	86	+/-64
Speak English "very well"	62	+/-58
Speak English less than "very well"	24	+/-31
Thai:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Laotian:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Vietnamese:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Other Asian languages:	11	+/-17
Speak English "very well"	11	+/-17
Speak English less than "very well"	0	+/-23
Tagalog:	12	+/-20
Speak English "very well"	12	+/-20
Speak English less than "very well"	0	+/-23

Not addressed, but more numerous than Arabic respondents

→ smaller numbers, but relevant?

	Flint city, Genesee County, Michigan	
	Estimate	Margin of Error
Pacific Island languages:	4	+/-6
peak English "very well"	4	+/-6
Speak English less than "very well"	0	+/-23
Navajo:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Other Native North American languages:	53	+/-47
Speak English "very well"	53	+/-47
Speak English less than "very well"	0	+/-23
Hungarian:	3	+/-6
Speak English "very well"	3	+/-6
Speak English less than "very well"	0	+/-23
Arabic:	92	+/-73
Speak English "very well"	34	+/-37
Speak English less than "very well"	58	+/-53
Hebrew:	84	+/-62
Speak English "very well"	84	+/-62
Speak English less than "very well"	0	+/-23
African languages:	42	+/-36
Speak English "very well"	42	+/-36
Speak English less than "very well"	0	+/-23
Other and unspecified languages:	50	+/-65
Speak English "very well"	50	+/-65
Speak English less than "very well"	0	+/-23

Translation made (too many printed?)

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

Methodological changes to data collection in 2013 may have affected language data for 2013. Users should be aware of these changes when using multi-year data containing data from 2013.

While the 2010-2014 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '**' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '***' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

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Speak English "very well"	205	+/-92
Speak English less than "very well"	23	+/-25
French Creole:	8	+/-12
Speak English "very well"	0	+/-23
Speak English less than "very well"	8	+/-12
Italian:	33	+/-32
Speak English "very well"	17	+/-16
Speak English less than "very well"	16	+/-23
Portuguese or Portuguese Creole:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
German:	130	+/-73
Speak English "very well"	124	+/-72
Speak English less than "very well"	6	+/-9
Yiddish:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Other West Germanic languages:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Scandinavian languages:	23	+/-26
Speak English "very well"	23	+/-26
Speak English less than "very well"	0	+/-23
Greek:	60	+/-52
Speak English "very well"	46	+/-47
Speak English less than "very well"	14	+/-23
Russian:	44	+/-59
Speak English "very well"	32	+/-41
Speak English less than "very well"	12	+/-18
Polish:	18	+/-24

	Flint city, Genesee County, Michigan	
	Estimate	Margin of Error
Speak English "very well"	13	+/-21
Speak English less than "very well"	5	+/-12
Serbo-Croatian:	5	+/-9
Speak English "very well"	1	+/-3
Speak English less than "very well"	4	+/-8
Other Slavic languages:	33	+/-34
Speak English "very well"	33	+/-34
Speak English less than "very well"	0	+/-23
Armenian:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Persian:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Gujarati:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Hindi:	10	+/-18
Speak English "very well"	10	+/-18
Speak English less than "very well"	0	+/-23
Urdu:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Other Indic languages:	12	+/-17
Speak English "very well"	12	+/-17
Speak English less than "very well"	0	+/-23
Other Indo-European languages:	18	+/-24
Speak English "very well"	18	+/-24
Speak English less than "very well"	0	+/-23
Chinese:	138	+/-125
Speak English "very well"	65	+/-72
Speak English less than "very well"	73	+/-69
Japanese:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Korean:	2	+/-4
Speak English "very well"	0	+/-23
Speak English less than "very well"	2	+/-4
Mon-Khmer, Cambodian:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Hmong:	86	+/-64
Speak English "very well"	62	+/-58
Speak English less than "very well"	24	+/-31
Thai:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Laotian:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Vietnamese:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Other Asian languages:	11	+/-17
Speak English "very well"	11	+/-17
Speak English less than "very well"	0	+/-23
Tagalog:	12	+/-20
Speak English "very well"	12	+/-20
Speak English less than "very well"	0	+/-23

	Flint city, Genesee County, Michigan	
	Estimate	Margin of Error
Other Pacific Island languages:	4	+/-6
Speak English "very well"	4	+/-6
Speak English less than "very well"	0	+/-23
Navajo:	0	+/-23
Speak English "very well"	0	+/-23
Speak English less than "very well"	0	+/-23
Other Native North American languages:	53	+/-47
Speak English "very well"	53	+/-47
Speak English less than "very well"	0	+/-23
Hungarian:	3	+/-6
Speak English "very well"	3	+/-6
Speak English less than "very well"	0	+/-23
Arabic:	92	+/-73
Speak English "very well"	34	+/-37
Speak English less than "very well"	58	+/-53
Hebrew:	84	+/-62
Speak English "very well"	84	+/-62
Speak English less than "very well"	0	+/-23
African languages:	42	+/-36
Speak English "very well"	42	+/-36
Speak English less than "very well"	0	+/-23
Other and unspecified languages:	50	+/-65
Speak English "very well"	50	+/-65
Speak English less than "very well"	0	+/-23

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

Methodological changes to data collection in 2013 may have affected language data for 2013. Users should be aware of these changes when using multi-year data containing data from 2013.

While the 2010-2014 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '**' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '***' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

Mike Sobocinski's notes on January 13, 2015 - 2nd daily SEOC briefing (4:00pm):

MSP SEOC (Brianna Briggs): leads the meeting: Agency situation reports are due by 6pm. "Tomorrow is a planning day." [No explanation for this statement was provided.] Agencies, be sure to update 204 forms tactics, especially pods, teams, warehouses, etc.

(Health and Environmental Branch, next few agencies) MDHHS Community Health (Kathy Wahl [sp?]): Working on nutritional plan with several other agencies. Lori ([Laura?]) Sempler ([sp?]) will be the lead on that plan. Disaster behavioral health coordination is occurring, with CHECC exploring options, checking with DTAC at SAMSA [references not explained], targeted to Stafford Act qualifications. (Capt. Kelenske: does it qualify under an emergency such as this? This needs to be verified.) Some wording changes were suggested for the fact sheet.

MDARD (Brad Deacon): Mailing out food establishment requirements—about 800 of them.

MDEQ (Jen Wolf): Conversation about bringing more health people into the ([local?]) EOC.

M???: Two of the 5 trucks loaded with water filters are at the GCCARD. 10,700 filters, [two other large numbers were given for other types of resource there, rattled off too quickly for my poor & tired writing hand to keep up with]

American Red Cross (Paul Spata): Staffing fire station points of distribution. Further coordination with MI National Guard (MING) on staffing. Volunteer reception center was up today; numbers to be reported in the sit rep tonight. Fielding a request to feed field response teams.

MDHHS (Brian Wilson): Their volunteers are still in the field. Heard concerns about some IPads not functioning in the cold, then seemed to work better? Awaiting confirmation of replenished stock.

Offices of Services on Aging (Steve Betterly): Valley Area Agency on Aging has been fielding calls. Something fell apart regarding the schedule of water/filter deliveries—need to get in touch with local EOC on this. (Brian Wilson: probably fixed last night.) (Michelle Kuzera?: Local EOC confirms follow-up to occur [She disappears from phone suddenly, not to reappear]).

Capt. Kelenske: Any more personnel needed by the Sheriff's department for deliveries?

[Unknown replacement on phone from local EOC]: Being handled okay by the locals so far.

Capt. Kelenske: Consider replacing sheriff staff with area health and social work specialists, to better match staff with their expertise and free up sheriff personnel for their normal duties. (Services on Aging ([Steve?]): off-duty teams are available to help with phone lines and resource distribution.)

MSP: Working with MDOT for shuttle vans, working with Public Affairs re: state agency volunteers for the weekend.

MI National Guard (Colonel Reynolds): full-time staff at each of the 5 "pods." Friday morning 9am will resume handing out water at the pods. MING needed 33 volunteers, and actually

obtained 48. (Capt. Kelenske: Any feedback on public reaction or questions re: MING soldier presence? A: not known.)

MDTMB (Jeannette Doll): A warehouse has been located at another site. Red Cross and MSP Wendy Galbreath are checking it out as a replacement for the other site that had problems (Court Street school district site). Stuff is to be moved from the old to new site. Based upon truck loads, will be maintaining 8 truck loads per day through Saturday, available on Sunday too, if needed. 117,000 filters coming in, and 139,000 faucet (founts???). Tablets are coming in tonight to the EOC for GIS staff to download an app, then going to Flint in the morning. Information cards sent to Flint. 15 trucks are waiting. (Capt. Kelenske: They must offload somewhere and not wait.) Only 1 loading dock at each facility. Court Street won't work—told that it was vacant and had 80,000 square feet, but it was full. (Someone on phone, Jackie Hampton perhaps?, later announces that the site will be available tonight, after all. Commissioner Curtis had prompted warehouse emptying which is allowing trucks to be moved there now. Equipment and staff available to unload, with warehouse reportedly able to be cleared out tonight. A Dort Highway location is being investigated for suitability.)

Local EOC (unknown person): Information entry and radio channels? seem good. Only the issue of supplies waiting on the road (presumably on trucks or in transport) must be cleared up.

MSP SEOC Logistics (Penny Burger): Working on trailers and vehicles from Department of Corrections, for door-to-door campaign. Coordinating with MSP for Thursday and Friday volunteers. Financial analysis being finished up—to be reviewed first by Captain Kelenske before submission.

MSP SOEC Planning (Zach Baker? Couldn't see across room.): Progress on tracking inventory. Sit reps due at 6pm.

MSP SEOC Recovery Team (Kriste Davis): Some numbers may not be in yet—issue of paper substitute for frozen IPads. 394 homes were visited yesterday, plus 378 more today, possibly more, once additional reports are processed. Even if number appears lower today, there was a smaller number of vacant homes today, so the actual number of inhabited homes is higher today. Working with the Red Cross this weekend for teams. Monday is a holiday. (Capt. Kelenske: Any info on community reaction? A: No info yet.)

JIC/PIO (Shannon Banner?): Media hotline saw a markedly increased number of calls, although it was not overloaded. Some media questions need answers to come from the SEOC. Good collaboration with 2-1-1, county, and state agency PIOs. Could use the local PIO today, though. From 11:30a to 12:30p there was a media briefing at fire station #3—very good media turnout, positive in tone. Waiting for the logo approval (from local and county) for the response team. (Capt. Kelenske: How is 2-1-1 doing—being monitored for success of call handling, good staffing levels, etc.? Nicole Lisabeth [JIC/PIO]: 2-1-1 is going well.

(Phone discussion regarding Legionnaire's disease report—unclear who the participants were.)

Capt. Kelenske: DHHS will handle those Legionnaire's-related questions through separate, normal channels, not through the SEOC or local EOC but through other channels, as a separate matter.

SEOC Planning Brianna Briggs: The next briefing will be tomorrow at 9:30am.

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City of Flint (age 5+) 2010-2014 ACS

check w. LARA (Jason Moon?)

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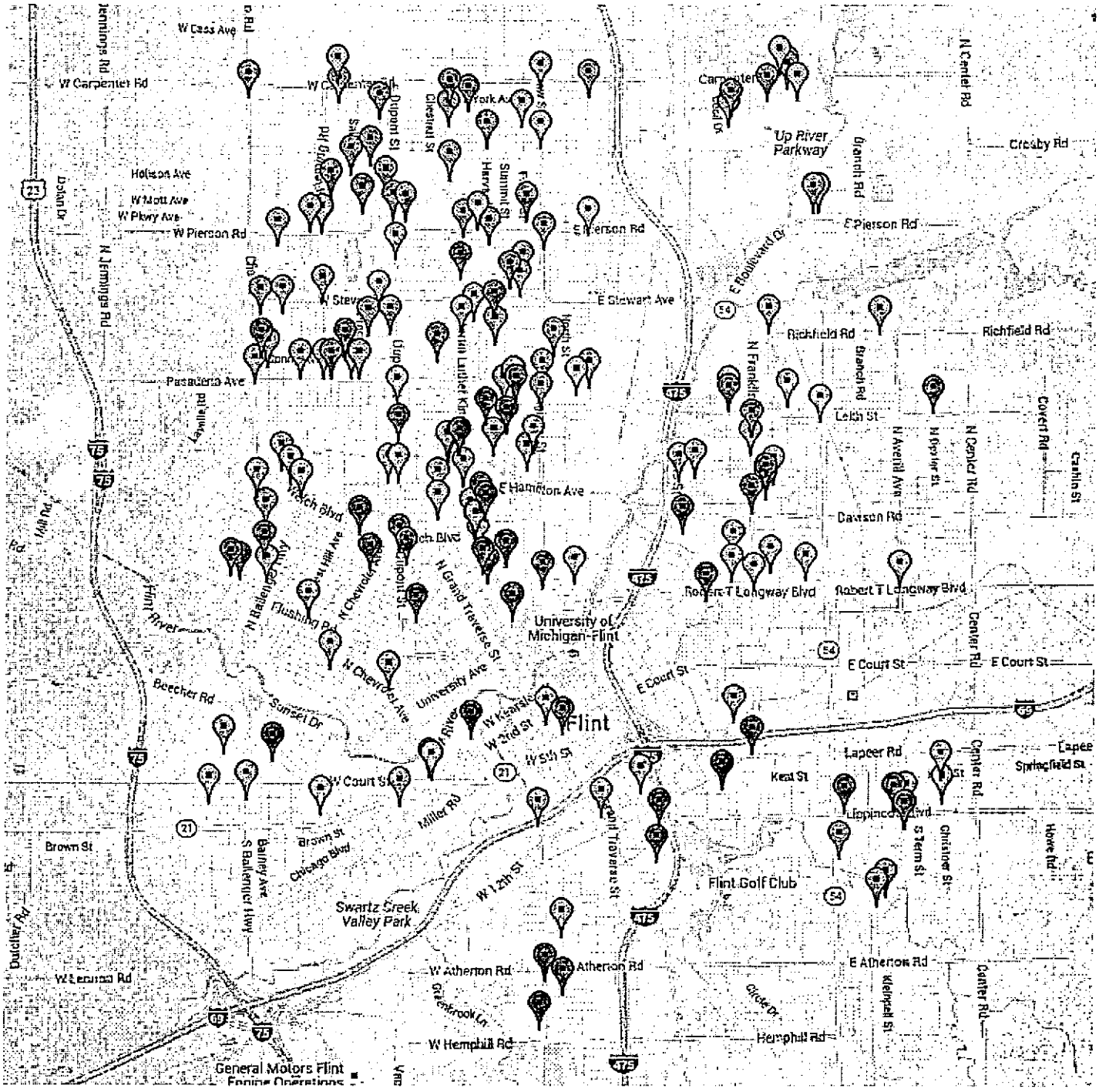


Map of Flint homicides 2010-2012

Survey major agencies to compile list of the "deliverables" requested by Capt.

MSP SEOC Ops: 1. ~~Keep~~ Deliver those to Fire Stations in Flint water, filters, spt cartridges, water test kits
Jackie H 2. Send teams into Flint next week – door to door deliver test kits and info but also have filters + replacement cartridges
3. Stand up Donations Management (Jenna Holmes DHHS MCSC)
4. Stand up Volunteer Mgmt (Chad Veesser DHHS, MCSC)

MSP SEOC GIS: 1. Map of filter locations (homes/bldg) where recipients live Nikkia: "map point of distribution for filters (e.g. Fire depts, HHS offices, service agencies)
Matt M Nikkia M

MSP SEOC finance: 1. Provide Cost accounting info to MMSP staff.
2. Give info to state agencies re: tracking time, provide support docu for resource requests.
3. Track SEOC staffing + related costs, to produce spend plan.

MSP SEOC logistics: "the buck doesn't stop here" tasks reassigned through logistics Obtain fire station addresses for Flint
Feling B.

DHHS: no specific requests known so far

DTMB: no specific
Jeannette Fair

DARD: no specific items reported

ARA: no specific items known

EQ (MPP) 1. Presence in Local EOC A: 1 present, 2 more available tomorrow avail then next week
Jon Wolf 2. ~~Coordination by Cindie's Team to fill resource requests~~

SEOC Planning: Situ rep daily
IAP weekly
Summary of GIS products, water distribution statistics to date/effective

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

BRIAN CALLEY
LT. GOVERNOR

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare an Expedited Major Disaster with a Preliminary Damage Assessment to follow if a disaster declaration occurs, and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River on April 25, 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of physicians at Hurley Medical Center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for blood lead levels. Of those tested, fifty residents have exhibited elevated blood lead levels. Twenty eight of the persons found to have elevated blood lead levels are children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The MDHHS has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a significant economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned, and we are assuming it cannot be used for potable purposes. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals Assistance Program will be essential to recovery.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate.

The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, a Volunteer Reception Center (VRC) was established, and the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) conducted a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance, and Public Assistance, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information addresses the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households. The EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – Geographic Information System Unit (GIS)

On Friday, January 8, 2016, GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present need significant updating before an accurate picture can be created.

DPW estimates that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, GIS staff have noted that newer sections of the city (post 1950) tend to be

copper piping and do not have a prevalence of lead. In contrast, older sections of the city tend to have sparse concentrations of lead, but the records for these areas are often incomplete.

In order to effectively determine the scope of the affected area, EMHSD is working with DPW and the University of Michigan–Flint to digitize many of DPW's old analog maps in order to extract the pipe status. Even when this process is complete, however, it will remain unclear whether the information will be accurate, given the age of the source data. With the comprehensive water testing plan that the Michigan Department of Environmental Quality (MDEQ) is implementing, problem areas for the city will be identified to allow for manual inspections of the underground pipes to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The National Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services (MDHHS) – Health Division

The MDHHS is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. This emergency potentially could impact the capacity of the MDHHS to continue to undertake its public health work in other areas of the state.

The MDHHS continues to work closely with local partners to ensure that potentially impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). This includes working closely with the local primary care provider community and Women/Infants/Children (WIC) clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The MDHHS updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October 2015, MDHHS initiated community outreach for distribution of educational materials to parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready-to-Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

While the extent of the impact is unknown, a worst-case-scenario impact of this emergency could result in significant future health costs to the impacted population, for direct medical needs, secondary and tertiary medical expenses, and secondary and tertiary prevention (education and nutrition).

Department of Health and Human Services – Human Services Division

The City of Flint is categorized as a food desert. The Human Services Division of the MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods: MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card (SNAP assistance) but still require additional healthy fruits and vegetables beyond what they can obtain through

the SNAP program. Other residents who have had elevated blood lead levels may not have a Bridge Card, but purchasing fresh fruits and vegetables still can be a burden due to higher costs.

The plumbing in some homes is in poor condition. As a result, the faucet filters may not fit. The cost of paying for city water that the residents cannot drink is also significant. Some residents may have to make a choice between buying food or to paying for water to flush toilets, bathe, and wash clothes. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of four, with leaks, etc., it could amount to more than $150 per month.

Additional ongoing testing will be required for those with EBLLs. Other potential long-term expenses may include treatment, tutoring, behavior specialists, and mental health services.

Flint is one of the most impoverished areas in Michigan. State and city poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 8.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially between 2006 (25.4%) and 2012 (31.8%).
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 8.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP) increased from 35.4% in 2006 to 47% in 2013.
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data," shows the numbers of recipients of benefit programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP) [SNAP]	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Talent and Economic Development (MDTED)

The MDTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

The MDTED's combined efforts are focused on short- and long-term assistance to the impacted communities through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources and studies, the MDTED determined potential long-term impacts to the economy of Flint and its residents resulting from the water crisis. Potential long term costs associated with certain blood lead levels could include lifetime earnings loss, lead health care treatment costs, ADHD treatment costs, and special education costs.

With input from the Department of Treasury, the MDTED assessed that the most significant potential negative impact may be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters may leave the city). Residents and businesses may also have to continue to pay extra for bottled water, so the extra spending on water could take away from other spending. It would be relatively easy for residents to move some of their economic/spending activity outside the city, which could contribute to an economic downturn in Flint. Long-term, there may be the significant cost of a new water system over and above the health related costs, estimated by the MDHHS.

Department of Environmental Quality (MDEQ)

The MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal Safe Drinking Water Act. The City of Flint began using the Flint River for drinking water on April 25, 2014.

On October 1, 2015 the State Chief Medical Executive confirmed Hurley Children's Hospital blood lead level data. On this same day, the Genesee County Health Department issued a "Do Not Drink" advisory to the customers of the Flint Water Treatment Plant. On October 15, 2015 the Michigan State Legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the Detroit Water System (DWSD), and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services. On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karagnondi Water Authority is scheduled to be completed in mid to late 2016.

The MDEQ estimates its cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The MDEQ staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Agriculture and Rural Development (MDARD)

Part of the MDARD's coordinated outreach includes contact with businesses, particularly food-related businesses, to evaluate the safety of the water they use in their products. Water safety also impacts animals. As a precautionary measure, the MDARD included pets, service animals, and other domestic animals in their messages to families about water. They have also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). All establishments received a letter in October 2015 with guidance and will receive revised guidance over the next few days. There are 97 gas stations within the city which are within those food license numbers. We are planning additional outreach to them as part of our efforts.

No animal licensed shelters exist in the water service area. The current focus is on residences where they may also have pets. There are two veterinary clinics in the City, and we have made individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

The MDARD has been in close coordination with the MDEQ, The MDHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. The MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Education (MDE)

The MDE is monitoring all child nutrition program providers operating in the Flint area. MDE food service program staff is working with all school meal operators and child and adult care operators to ensure they take all proper precautions if they have unsafe water.

Department of Insurance and Financial Services (DIFS)

The DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer. The potential losses experienced in Flint may not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the MDEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Licensing and Regulatory Affairs (LARA)

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following MDEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating replacement costs which could be as much as $55 million.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges. Seven trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More of the above resources are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water – 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014. In response to these disasters, in addition to Stafford Act assistance from DR-4195, the State has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau have successfully addressed the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit to continue rebuild efforts and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG), in cooperation with the Urban Studies Center at Wayne State University, estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is more than double the national rate. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially with lead which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5-year average, a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

In the October, 2015, to December, 2015, time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures require approximately $9.55 million to keep Flint on Detroit water until Karagnondi water is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, the need could be as much as $53 million to help individuals eliminate lead service lines on their properties.

The City's water system has been affected by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source appears to have decomposed and it is likely that some of the underlying lead pipes and lead solders began to leach into the water. Ultimately, this may have contributed to significant EBLL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The University of Michigan–Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

Customer Service Center
City Hall
1101 S. Saginaw St.
Flint, MI 48501

Postage

City of Flint
October, 2015
Quarter Water Quality Report

The Quarterly Water Quality Report provides important information about your drinking water. This report includes information about the water source, current drinking water issues, lead information, water filters, testing, 3rd quarter news, and temporary expectations when changing water sources. The City of Flint Department of Utilities is dedicated to providing quality drinking water to the residents of the community. The Flint Water Plant operates and maintains a certified drinking water laboratory to assure compliance with all state and federal regulations, and is committed to prompt and thorough notification to the consumers if there is any reason for concern about the quality of the drinking water. Information about your drinking water is available on the City of Flint web page at www.cityofflint.com or by calling the City of Flint Water Plant at **(810) 787-6537**. The Safe Drinking Water Hotline at **(800) 426-4791** is a resource for health related questions and water quality issues. General drinking water information can also be found on the U.S. Environmental Protection Agency (EPA) web site at www.epa.gov/safewater/.

Water Source

The City of Flint began using the Flint River as a water source in May of 2014. After 16 months of treating water from the Flint River, the City became aware that the level of corrosiveness found in Flint River water could result in more lead leaching from service lines and household plumbing. Reports of elevated blood lead levels in children and expert analysis resulted in the City's Technical Advisory Committee making a recommendation to return to the previous source of water while waiting for the KWA to provide water from Lake Huron.

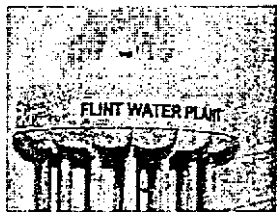
On Friday October 16th, 2015, with the consent of Governor Snyder, the City returned to Detroit as the primary source of drinking water. The decision, along with the Technical Advisory Committee's recommendation followed two consecutive lead and copper test periods that exceeded 5ug/L which calls for additional action. In addition to the switch, the City has submitted a final corrosion control design to the DEQ for comments and approval. The City has requested to use the corrosion control as an additive to treated water it will be required when the city begins treating raw water from the Karegnondi Water Authority which is anticipated to begin in the summer of 2016.

In order to make the transition possible, the City contributed $2 Million dollars, the Mott Foundation contributed $4 Million dollars, and the State of Michigan contributed $ 6 Million dollars.

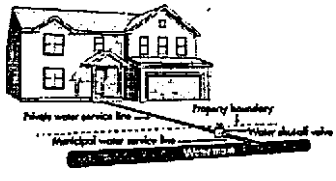
Current Drinking Water Issues & Lead Information

There has been a heightened awareness of lead leaching into drinking water through service lines and household plumbing. The City's Technical Advisory Committee has enlisted the support of EPA lead experts and is working with State of Michigan representatives to increase testing, rebuild public confidence, and implement long-term solutions to lead. It is recommended that everyone get their water tested, obtain a water filter, and check with a plumber to evaluate the type and condition of your household plumbing. The City is currently mapping all of its lead service lines and working to develop a program to get lines changed over time.

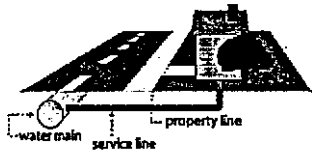
If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Flint is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 5 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.



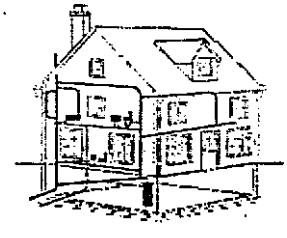
No lead in water leaving the Treatment Plant.



Little or no lead in water in the transmission mains.



Lead can leach into water through service lines.



Lead can leach into water through household plumbing.

Water Filters & Testing

Free water filters have been made available to current Flint residents at several locations. The MDHHS and the Genesee County Community Action Resource Department (GCCARD) are providing Free National Sanitation Foundation certified water filters at the following locations.

Residents receiving MDHHS assistance are encouraged to visit either the **125 E. Union St.** or **4809 Clio Rd. MDHHS** office location to obtain a free, certified home water filter. Residents who are not currently enrolled in MDHHS assistance programs should visit the (GCCARD) offices located at **2727 Lippincott** and **601 N. Saginaw** in Flint.

Staff will be onsite at all four locations from **9 a.m. to 4 p.m., Monday through Friday**, to distribute filters and assist residents who have questions about proper installation.

If you want more information on obtaining a water filter, please call 211.

Other suggestions related to water safety and testing:

- We recommend that everyone get their water tested. Call us at (810)-787-6537.
- Contact the Health Department about having your child's blood tested (810)-257-3612.
- It is advisable to have a plumber check your household plumbing.
- Check your faucet aerator (large lead solder particles can occasionally get lodged in here).

Temporary issues to be aware of when Changing Water Sources

Changing water sources back to Detroit will not fully eliminate the lead concerns. The potential for lead to leach off of certain water service lines or household plumbing will continue to exist regardless of the water source. The City is committed to increased testing, better communication, and developing a lead service line map to identify all of the City owned lead service lines.
As the city changes water sources you can expect the following:

- It could take up to three weeks for the switch in water source to reach all taps in the City.
- Over the next several weeks, we will be winterizing our hydrants which will result in discoloration of the water but will also help accelerate the water flowing through the system.
- Lead will continue to leach off of certain service lines and household plumbing.
- Main breaks could result as a change in source water occurs.
- Water could have discoloration or cloudiness, if this happens, run your faucet until the water clears, if this lasts longer than 20 minutes please report it to our water service center at (810)-766-7202.

Water Timeline

A timeline of events, beginning with signing the KWA contract leading up to the current status of switching back to our previous source of water is available on the City website and can be found by visiting the "water" page located under "residents". Please email flintwater@cityofflint.com with your questions or to request a water test or, call the Water Plant at (810)-787-6537.

3rd Quarter News

July

- Completed the evaluation of over 8000 valves in the system and identified over 2300 that are currently inoperable. The repair of these valves will be budgeted and worked into our multi-year Capital Improvement Plan.

August

- Successfully completed the installation of Granulated Activated Carbon at the water treatment plant which reduced the TTHM level in the water and helped bring the City back into compliance with the Safe Drinking Water Act.

September

- Leak Detection on all 600 miles of the distribution system has started and is over halfway complete. Several dozen leaks have been identified and repairs continue as more leaks are found. This has decreased the amount of water loss existing in the system.
- Construction of a load out facility at our wastewater plant is on target for completion by November and will allow the City to eliminate the use of the incinerator resulting in significant annual savings.
- Over 3500 new water meters have been installed this year creating better accuracy, accountability, and decreasing the number of estimated reads on water & sewer bills.

Contact Information

Water Treatment Plant - (810)-787-6537
Request a water test.
Request a tour of the Plant.
Ask questions about water quality.

Water Service Center - (810)-766-7202
Report a water leak or other system issues.

Water Pollution Control - (810)-766-7210
Inquiries related to wastewater treatment.
Inquiries related to converting methane gas into energy.

Customer Service – (810)-766-7015
Questions about your water & sewer bill.

Water Filters – 211
Questions about water filters.

2015 3rd Quarter Regulated Detected Contaminants – **Flint River as Source**

Inorganic & Organic Chemicals, Metals, and Pesticides – Monitored at treatment plant						
Regulated Contaminant	Unit of Measure	MCLG	MCL	Highest Level Detected	Range of Detection	Violation
Inorganic Chemicals						
Fluoride	mg/L	4	4	0.84	0.64 – 0.84	No
Nitrate	mg/L	10	10	N.D.	N/A	No
Metals						
Barium	mg/L	2	2	0.02	N/A	No

More than 100 other chemicals were monitored from July through September that were not detected.

The various classification groups of these chemicals include metals, carbamates, herbicides, pesticides, organics, and radiologicals.

Total Organic Carbon, TOC - Monitored at treatment plant			
Regulated Contaminant	Required Monthly % Removal	Minimum Monthly % Removal	Monthly % Removal Ranges
Total Organic Carbon	50	60	60 - 87

Turbidity - Monitored at treatment plant		
Highest Single Measurement (Cannot exceed 1NTU)	Lowest Monthly % of Samples Meeting Turbidity Limit (0.3 NTU in 95% of samples)	Violation
0.18	100 %	No

Disinfectant Residuals – Monitored in the distribution system						
Regulated Contaminant	Unit of Measure	MCLG	MCL	Highest Level Detected	Range of Detection	Violation
Total Chlorine Residual	mg/L	4.0	4.0	4.0	0.2 – 4.0	No

Microbiological Contaminants - Monitored in the distribution system				
Regulated Contaminant	MCLG	MCL	Highest Number detected (in 1 month)	Violation
Total Coliform bacteria	0	The presence of coliform bacteria in > 5% of monthly samples	1	No
E. coli Bacteria	0	0	0	No

Lead & Copper – Monitored from consumers tap					
Regulated Contaminant	Unit of Measure	MCLG	Action Level AL	Number of samples over AL	Total # of Samples Tested from January - September
Lead	ug/L	0	15	16	189
Copper	mg/L	1.3	1.3	0	189

Disinfection By-Products - Monitored in the distribution system and from treatment plant						
Regulated Contaminant	Unit of Measure	MCLG	MCL	Highest Level Detected	Range of Detection	Violation
Total Trihalomethanes (TTHM)	ug/L	n/a	80	90.3	42.6 – 90.3	N/A*
Haloacetic Acids (HAA)	ug/L	n/a	60	15.0	2.0 – 15.0	N/A*
Bromate	ug/L	10	10	N.D.	N/A	N/A*

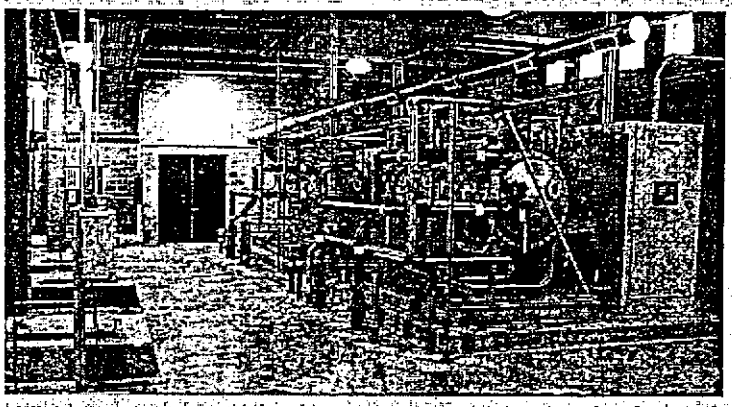
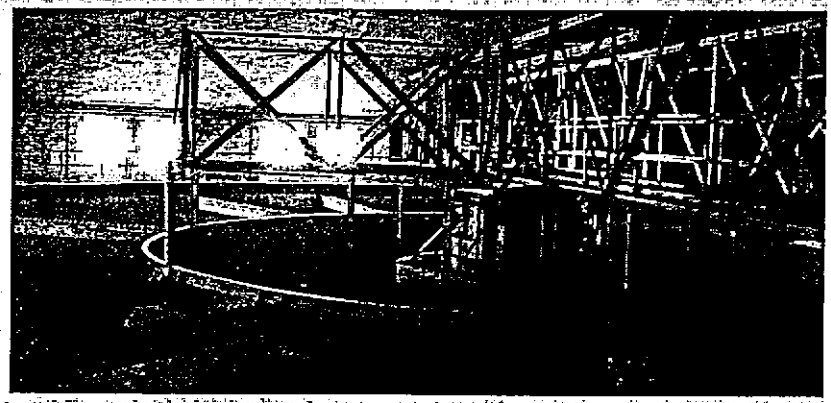
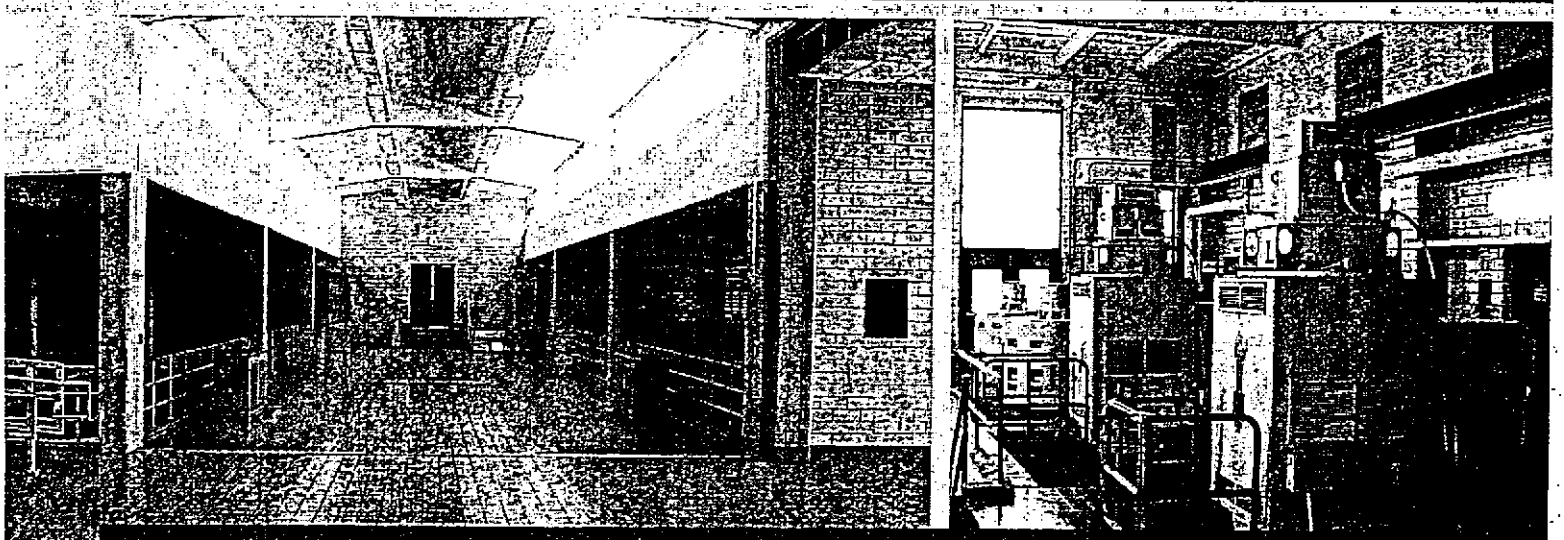
*Violation based on locational running annual average for TTHM & HAA5, violation for bromate based on yearly average.

Key to the Detected Contaminant Tables		
Symbol	**Abbreviation for**	**Definition/Explanation**
>	Greater than	
AL	Action Level	The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements which a water system must follow.
HAA5	Haloacetic Acids	HAA5 is the total of bromoacetic, chloroacetic, dibromoacetic, dichoroacetic, and trichloroacetic acids. Compliance is based on the total .
LRAA	Locational Running Annual Average	
MCL	Maximum Contaminant Level	The highest level of a contaminant that is allowed in water. MCLs are set as close to the MCLG's as feasible using the best available treatment technology.
MCLG	Maximum Contaminant Level Goal	The level of contaminant in drinking water below which there is no known or expected risk to health.
mg/L	Milligrams per Liter	A milligram = 1/1000 gram 1 milligram per liter is equal to 1ppm
MRDL	Maximum Residual Disinfectant Level	The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MRDLG	Maximum Residual Disinfectant Level Goal	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRLDG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.
n/a	Not Applicable	
ND	Not Detected	
NTU	Nephelometric Turbidity Units	Measures the cloudiness of water.
pCi/L	Picocuries per Liter	A measure of radioactivity. Picocurie (pCi) means the quantity of radioactive material producing 2.22 nuclear transformations per minute.
ppb	Parts Per Billion (one in one billion)	The ppb is equivalent to micrograms per liter. A microgram = 1/1000 milligram.
ppm	Parts Per Million (one in one million)	The ppm is equivalent to milligrams per liter. A milligram = 1/1000 gram.
RAA	Running Annual Average	
TT	Treatment Technique	A required process intended to reduce the level of a contaminant in drinking water.
TTHM	Total Trihalomethanes	Total Trihalomethanes is the sum of chloroform, bromodichloromethane, dibromoochloromethane and bromoform. Compliance is based on total.
ug/L	Micrograms per Liter	A microgram = 1/1,000,000 gram 1 microgram per liter is equal to 1ppb

Operational Evaluation Report
City of Flint

Trihalomethane Formation Concern

August 27, 2015
In Response to May 2015 Sample Results

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY

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EXECUTIVE SUMMARY

Environmental Protection Agency (EPA) and Michigan Department of Environmental Quality (MDEQ) regulations require that public water suppliers test drinking water quarterly throughout the distribution system for disinfectant by-products (DBP's). Two categories of DBP's, tri-halomethanes (THM) and halo-acetic acids (HAA5), are regulated and must be tested for. The City of Flint began operation of their water treatment plant (WTP) full time with the Flint River as the source on April 25, 2014. Since that time, six quarters of samples taken have resulted in annual average violations for total THM. Prior to the first violation (Nov. 2014), the City hired Lockwood, Andrews & Newnam, Inc. (LAN) to complete this Operational Evaluation Report (OER) in conformance with EPA guidelines with the goal to determine the cause(s) of high levels of THM and evaluate possible solutions.

The EPA promulgated the Stage 2 Disinfectants and Disinfection By-Products Rule (DBPR) in January 2006 which set maximum contaminant levels (MCLs) for total trihalomethanes (TTHM) and HAA5 based on an annual running average, tested quarterly, for a given sampling location. The City of Flint reports levels from 8 sampling test locations. Of the six quarterly sampling cycles since Flint began operating the WTP full time, HAA5 levels have been acceptable but TTHM levels have exceeded the MCL. One sampling site was in violation following the May 2015 sampling cycle and results from August 2015 sampling indicate all sites are now within compliance.

A number of issues were identified as possibly contributing to the initial high THM levels measured.

1. Inefficient ozone system functionality which led to in increased chlorine feed.
2. Upstream source influences in terms of increased chlorine demand.
3. Bypass stream around softening contributed to chlorine demand and increased total organic carbon (TOC) levels in the effluent.
4. Unlined cast iron pipes in the distribution system contributing to chlorine demand.
5. High water age in the distribution system due to:
   a. Broken valves causing less than ideal flow patterns
   b. Inefficient pump station pressure zones
   c. Water storage volumes in excess of that needed for today's demands
   d. Oversized water mains
   e. Low water demands
6. High chlorine demand in filters.
7. High THM formation potential (THMFP) in source water.
8. Less than optimal removal of THM precursors.

A graphical representation of how the factors above relate to the timing of THM compliance sampling is shown as Table 1. Compliance sampling dates are hatched. Each row in Table 1 describes a factor that can lead to increased THM levels and the table defines when each of those factors applied. Note the convergence of nearly all factors around the second sampling period on August 21, 2014 to create what appears to have been a worst case scenario. The table also shows that the factors listed as those that the City can control have been addressed prior to 2015 sampling periods. Monthly operating report data up to August 1, 2015 is depicted on the Table.

TABLE 1 – SUMMARY OF NEGATIVE INFLUENCES ON THM COMPLIANCE SAMPLING

	FACTOR	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
2014	Softening bypass steam over 20% of plant flow												
	Ozone system not feeding optimally												
	Using full water storage capacity of WSR & CSR												
	Chlorine feed at WTP 7.0 mg/l or more												
	Ferric chloride feed rate less than 10 mg/l Fe3+												
	Raw water temp 23 degrees C or more												
	Raw water TOC levels above 8.0 mg/l												
	Raw water coliform over 5000 counts/day												
	Positive bacteria test in dist. system (boil water notice)												
	Water demand less than 15 mgd												
2015	Softening bypass steam over 20% of plant flow												
	Ozone system not feeding optimally												
	Using full water storage capacity of WSR & CSR												
	Chlorine feed at WTP 7.0 mg/l or more												
	Ferric chloride feed rate less than 10 mg/l Fe3+												
	Raw water temp 23 degrees C or more												
	Raw water TOC levels above 8.0 mg/l												
	Raw water coliform over 5000 counts/day												
	Positive bacteria test in dist. system (boil water notice)												
	Water demand less than 15 mgd												

Dates of occurrence
Expected dates of occurrence based on past data
Compliance sampling date

Factors under Flint staff control
Flint River characteristics
System factors

ACTION PLAN

The City of Flint has signed an agreement with the Karegnondi Water Authority (KWA) to purchase raw water drawn from Lake Huron. The KWA system is currently under construction and expected to be operational by late 2016. The water supply from Lake Huron will have entirely different water quality characteristics from the Flint River and those characteristics are expected to yield drastically reduced DPB formation. With that, non-structural options to help reduce THM levels are much preferred over solutions requiring new construction. Therefore, two categories of actions have been devised: Stage 1 being actions that can be completed relatively quickly without major construction and Stage 2 consisting of either long term actions or solutions requiring major construction. The City is actively working to complete Stage 1 actions as soon as possible. Stage 2 actions are to be implemented only if Stage 1 actions are ineffective in adequately reducing TTHM levels and therefore Stage 2 is contingent upon the outcome of Stage 1. As of the date of this report, status updates for action items are shown in red.

Stage 1 – Immediate Actions

- Hire third party water quality expert to complete independent 'water audit'
  - The City hired Veolia Water to review all water quality related operations, procedures, actions taken and planned responses. Recommendations from Veolia were provided in a report and technical memo dated 3/12/15 and 3/30/15 respectively.
- Obtain an in house THM analyzer to allow regular operational monitoring of THM levels
  - THM analyzer was installed 2/17/15.
- Hire ozone system manufacturer to troubleshoot ozone system
  - Manufacturer and controls programmers performed on site evaluations followed by corrective modifications in January 2015.
- Bench scale jar testing
  - Match existing process and assess possible areas of improvement
    - Existing process was simulated and an evaluation of existing chemical feed dosages was completed by LAN.
    - Existing process TOC profile was developed by Veolia.
  - Simulate potential modifications to treatment process
    - Soda ash softening evaluation completed and PAC feed testing was completed by LAN.
  - Evaluate coagulation and flocculation polymer aid feeds to assist with TOC removal
    - Evaluations of polymer aids completed by LAN and PVS Technologies.
- WTP operational changes
  - Discontinue softening bypass stream to reduce chlorine demand
    - Operational directive has been set to soften no less than 80% of flow.
  - Disinfection of filter beds to reduce chlorine demand
    - Utility Service Group contracted by City and condition assessment completed. Controls improvements have been completed.
  - Begin coagulation and flocculation polymer aid feeds to assist with TOC removal if bench scale test results are positive
    - Jar testing completed to date has not indicated a meaningful benefit to feeding coagulation/flocculation polymer aids. Increased ferric doses have been implemented at the WTP based on positive jar test results.

- Increase water main flushing efforts to minimize stagnant water
  - Flushing efforts are ongoing as needed based on chlorine residual levels measured in the system.
- Water system modeling to identify areas with high water age and potential solutions
  - The water model has been improved and preliminary results, including system wide water age, have been produced. Water demand updates and reconciliation with operator's data are underway with expected completion in mid June, 2015.
  - Cedar Street Pump Station potential recirculation
    - Water model analysis to be completed Sept-Oct, 2015.
  - West Side Pump Station potential recirculation
    - Water model analysis to be completed Sept-Oct, 2015.
  - Storage tank volume use
    - Operating levels of West Side and Cedar Street reservoirs have been lowered to reduce water age. Possible elimination of WS or CS to be evaluated Sept-Oct, 2015.
  - Possible broken closed valve locations
    - Model has been updated with known broken valve locations. Model results are being evaluated for indications of other possible broken valves. City has also initiated valve assessment program.
  - Locations in need of flushing
    - High water age areas have been identified in the water model. Further evaluation is expected to be done by November 1, 2015 to determine most effective flushing points.

Stage 2 – Contingent Actions

- Replace filter media with granular activated carbon (GAC) media
  - Filter anthracite media was replaced with GAC media July – August 2015.
- Fix ozone system
  - Repairs have been made to gauges and programming and the system is producing proper ozone and functioning under manual operation. Further minor repairs are planned for the 1st quarter 2015 to allow automatic operation.
- Start feeding coagulation and flocculation polymer aids to lower TOC, if not completed in Stage 1
  - Polymers evaluated by LAN did not demonstrate notable benefit.
  - PVS Technologies evaluated a proprietary polymer that showed little benefit.
- Convert to lime and soda ash softening
  - Option deemed unnecessary due to effectiveness of new GAC media.
- Change disinfectant to chloramine or chlorine dioxide until KWA
  - Option deemed unnecessary due to effectiveness of new GAC media.
- Install pre-oxidant feed (permanganate) at intake to optimize ozone disinfection
  - Option deemed unnecessary due to effectiveness of new GAC media.
- Implement advanced treatment for THM precursor removal
  - Option deemed unnecessary due to effectiveness of new GAC media.

- Increased main flushing based on water modeling results
  - Water model analysis to be completed Sept-Oct, 2015.
- Continue valve replacements with water model assistance
  - Water model analysis to be completed Sept-Oct, 2015.
- Emphasize cast iron pipes on water main replacement priority list
  - Flint has bid replacement of over 2 miles of 24" steel pipe along Dupont and Bishop Streets to be completed when and if the City can allocate funds. The water main section is considered a critical transmission main, and is expected to contribute to decreases in water age when complete.

THM samples have been taken and tested 6 times for regulatory reporting since the City began using the Flint River for supply. Numerous additional sets of samples have been taken by the City for internal operational monitoring. Compliance samples were taken in May 2014, August 2014, November 2014, January 2015, February 2015, May 2015, and August 2015. The average of all eight sample sites in August 2014 was 142.1 ug/l and the most recent average of samples taken in August 2015 was 63.6 ug/l. The MCL defined by the EPA is 80 ug/l.

I. BACKGROUND

The City of Detroit Water and Sewer Department (DWSD) has historically provided drinking water for the City of Flint and Genesee County. In the late 1990's growing concern regarding the reliability of the DWSD supply prompted the City of Flint to upgrade their existing water treatment plant (WTP). Those improvements, defined as Phase I, were completed in 2005 and were intended to allow the Flint WTP to operate, using the Flint River as the source, for an extended period of time in the event that supply from the DWSD was temporarily interrupted. Additionally, the Phase I improvements set the stage for Flint to break free from dependence on the DWSD supply and water charges over which they had no control.

A. WATER SUPPLY TRANSITION

1. Detroit Water and Sewer Department (DWSD)

Prior to spring of 2014, the Genesee County and Flint region had been provided drinking water by the DWSD. However, due to excessive cost increases and reliability issues with the DWSD system other options had to be explored.

2. Karegnondi Water Authority (KWA)

In 2010 the Karegnondi Water Authority (KWA) was formed for the purpose of developing a new water supply from Lake Huron to serve the region in lieu of the DWSD supply and the City of Flint elected to join. The KWA expects the new system which is currently being constructed to become operational by the fall of 2016.

3. Flint River – Interim Period

With a renewing water supply agreement between Flint and the DWSD being terminated by the DWSD (effective April 30, 2014) and the KWA system not expected to be operational until late 2016, the City of Flint decided to initiate operation of the existing WTP full time utilizing the Flint River as the interim water source. A variety of WTP improvements were necessary for the Flint plant to become a full time plant. For purposes of this report, Phase II improvements to the Flint WTP are improvements intended to allow the plant to operate full time with either the Flint River as the source or the KWA supply as the source.

B. TTHM VIOLATIONS

The EPA and MDEQ method of determining if TTHM sample results exceed the MCL uses a locational running annual average (LRAA). Flint's first TTHM violation was cited by the MDEQ following the third cycle of sampling completed in November 2014. Of the 8 sampling sites, 4 were in violation. At that time the MDEQ used the following calculation for determining if the MCL had been violated:

(2 x current quarter value + previous 2 quarter values) / 4 = Operational Evaluation Value

Flint has now completed tests for 6 quarters and a straight annual running average applies. Based on samples taken on August 18, 2015 there are no longer any sites in violation of the THM MCL limit. The August 2014 average across all test sites was 142.1 ug/l and the August 2015 average is 63.6 ug/l. Test results are tabulated in Table 2. HAA5 sample results are shown in Table 3, of which Flint has had no violations.

TABLE 2 – TTHM TEST RESULTS (ug/L)								
Sample Location	5/21/14	8/21/14	11/21/14	2/17/15	5/18/15	8/18/15	May/15 LRAA	Aug/15 LRAA
WTP Tap	56	86	33	-	~35	~25	n/a	n/a
1) 3719 Davison McDonalds	162.4	145.3	58.6	16.2	51.4	75.5	67.9	50.4
2) 822 S. Dort Hwy BP Gas Sta.	75.1	112.0	36.2	19.9	46.1	54.9	53.6	39.3
3) 3302 S. Dort Hwy Liquor Palace	111.6	127.2	33.3	16.8	63.5	53.2	60.2	41.7
4) 3606 Corunna Taco Bell	79.2	181.3	33.9	18.1	54.7	61.9	72.0	42.2
5) 2501 Flushing Univ. Market	106.4	196.2	93.6	24.5	59.8	70.6	93.5	62.1
6) 3216 MLK Salem Housing	82.2	112.4	50.1	28.5	72.7	90.3	65.9	60.4
7) 5018 Clio Rite Aid	88.2	144.4	53.6	19.2	60.5	59.5	69.4	48.2
8) 6204 N. Saginaw N. Flint Auto	96.5	118.3	41.1	14.9	45.2	42.6	54.9	36.0

TTHM MCL = 80 ug/l

TABLE 3 – HAA5 TEST RESULTS (ug/L)								
Sample Location	5/21/14	8/21/14	11/21/14	2/17/15	5/18/15	8/18/15	May/15 LRAA	Aug/15 LRAA
WTP Tap	36 (taken June 14, 2014)						n/a	n/a
1) 3719 Davison McDonalds	64	43	16	9.0	16	15	21.0	14.0
2) 822 S. Dort Hwy BP Gas Sta.	38	40	21	9.0	16	11	21.5	14.3
3) 3302 S. Dort Hwy Liquor Palace	52	31	15	9.0	17	14	18.0	13.8
4) 3606 Corunna Taco Bell	50	24	15	9.0	16	13	16.0	13.3
5) 2501 Flushing Univ. Market	55	17	24	9.0	15	13	16.3	15.3
6) 3216 MLK Salem Housing	41	25	5	2.0	10	2	10.5	4.8
7) 5018 Clio Rite Aid	49	30	17	9.0	22	15	19.5	15.8
8) 6204 N. Saginaw N. Flint Auto	48	37	18	9.0	17	10	20.3	13.5

HAA5 MCL = 60 ug/l

C. WATER TREATMENT PLANT RECENT IMPROVEMENTS & STATUS

1. Phase I WTP Improvements

Since 1965, the Flint WTP has remained a secondary or backup supply system to the DWSD primary supply. Typically the secondary supply for a public water system is expected to be needed only during emergency situations and normally is designed for short term operation such as providing the average daily demand for a few days. Conversely, Phase I improvements were designed with the intent to upgrade the Flint WTP in order to allow for an extended short term period (6 weeks) because of the perceived high risk that the DWSD supply would fail and remain out of service for an

extended duration. Regardless, the Flint WTP was still intended to serve as a standby plant and as such the Phase I improvements lacked redundancies that would be required for a primary supply WTP.

2. Past Pilot Study & Testing

During design of the Phase I improvements a treatability study was completed by Alvord, Burdick & Howson, LLC (AB&H) in 2002. The Treatability Study evaluated the current treatment processes that are in place at the Flint WTP today with the Flint River as the source. The report recommended the following:

TABLE 4 – 2002 WTP TREATMENT RECOMMENDATIONS

Treatment	Purpose	Point of Application	Dosage (mg/l)
Sodium permanganate	Zebra mussel control	Intake	0.3
Ozone	Taste & odor removal, disinfection	Diffusor basin	1.5
Ferric chloride	Coagulation	Rapid mix	40
Coag aid polymer	Turbidity & TOC removal	Rapid mix	2.0
Floc aid polymer	Turbidity & TOC removal	Floc basin	0.05
Lime	Softening	Softening basin	175
Soda ash	Softening	Softening basin	52
Carbon dioxide	pH adjustment	Recarb basin	37
Media filters	Filtration	N/A	Na
Chlorine	Disinfection	Filter effluent	1.0

Of the recommended items, zebra mussel control, coagulant and flocculation polymer aids, and soda ash feed have not been incorporated into the treatment process.

3. Phase II WTP Improvements for Full Time Operation

Phase II WTP improvements are those needed to convert the Flint WTP from a back-up supply to a primary supply plant. A number of improvements have already been constructed as they were necessary to operate full time when treating water from the Flint River. The improvements under the title of Phase II that have been completed or are nearly complete include installation of the future raw water feed connection point and valving for the KWA supply, upgrades to the lime sludge lagoon, the lime sludge lagoon decant and disposal system, decant pump station and force main, installation of mid-point chlorination before filtration, new oxygen / nitrogen storage facilities for the ozone system, and upgrade of the electric feed sub-station.

Additional improvements to the Flint WTP that are to be completed to become part of the normal treatment process using water supplied by the KWA are:

- New coagulant feed system
- Electrical
  - Pump Station #4 upgrades (under construction)
  - SCADA and controls upgrades
  - Filter transfer pump station feeders
- Pump replacements and VFD installation in the low and high service pump station (under construction)
- Filter transfer pump station to Dort Reservoir
- Facility security improvements

II. SOURCE WATER EVALUATION

A. DATA ANALYSIS

Based on past data collected and the 2002 Treatability Study by AB&H, the Flint River water quality varies seasonally with higher hardness and alkalinity experienced in the winter. Higher magnesium concentrations are also experienced in the winter, adding difficulty to the settling process due to neutrally buoyant floc. General water quality average characteristics recorded for the 2002 Treatability Study as compared with average characteristics recorded in 2014 are shown in Table 5 below.

TABLE 5 – FLINT RIVER WATER QUALITY CHARACTERISTICS

Period	Turbidity NTU	TOC Mg/l	Alk. Mg/l	Hardness Mg/l as CaCO3	pH	Total Col. Count/day	THMFP Mg/l
2001 Apr–Oct	7.9	9.4	215	272	8.1	870-1230 (7300 max)	410
2014 May–Oct	8.3	10.3 5/22/14	207	252	8.2	1900-9000 (48,300 max)	187

The Flint River characteristics do not appear to have changed significantly over the past 10+ years. Note that near the time Flint initiated withdrawal from the Flint River investigation by City staff revealed a sewer leak upstream of the plant that may have contributed to the total Coliform count. The leak was subsequently repaired.

B. CONCLUSIONS

Considering the minor changes in Flint River water quality, much of the information contained in the 2002 Treatability Study by AB&H remains relevant today. Data from that report assumed to be consistent today include the following:

- Flint River is influenced by groundwater from a dolomitic aquifer
- Hardness varies seasonally with higher hardness and alkalinity in the winter
- Hardness, alkalinity, magnesium concentrations tend to be reduced by run-off

In development of the 2002 Treatability Study, processes were simulated which resulted in low THM levels. Therefore, information contained in that report was used to assist with establishing a baseline jar testing procedure as discussed further in Section III.

III. TREATMENT PROCESS EVALUATION

A. EXISTING PROCESS DESCRIPTION

The existing WTP consists of an intake with screening from the Flint River, low lift pumping, ozonation, rapid mix, flocculation, settling, softening, recarbonation, filtration, storage and high service pumping. A process diagram is shown as Figure 1.

1. Intake

A 72" diameter pipe draws water from the Flint River through 2 traveling screens to the low lift pump structure. No chemicals are currently fed for Zebra mussel control or pre-oxidation as recommended by the 2002 Treatability Study. Manual removal of zebra mussels is more economical than installation of chemical feed equipment considering the short term need.

2. Ozone

There are 2 ozone generators designed to provide adequate ozone for a WTP flow of up to 36 mgd. There are 3 ozone contact basins. The ozone generators were designed to produce 900 lbs/day at 10% concentration and up to 1300 lbs/day at 6% concentration each. Prior to recent repairs, readings indicated a production rate of approximately 700 lbs/day at 4% concentration. It is possible that before the recent improvements the ozone feed might not have been optimized. In fact, it is known that less than optimal ozonation previously led to increased chlorine feed which would have contributed to THM formation.

3. Rapid Mix

East and West rapid mix chambers allow chemical feed prior to the flocculation basins. Each rapid mix chamber is equipped with a 5 hp mixer.

4. Coagulation / Flocculation

The WTP contains two equally sized flocculation basins, east and west, and each basin provides tapered or gradually slowed mixing from inlet to outlet. There are fifteen 2 hp mixers for each basin with VFDs to control mixing speed. The 2002 Treatability Study recommended feeding both coagulation and flocculation polymer aids. Neither polymer aid is being used today because turbidity and TOC removals have been sufficient to meet regulatory requirements.

5. Settling

Primary clarification takes place within 3 basins containing plate settlers. The settlers are operating as designed but are due for cleaning.

6. Softening

Again, there are two basins for softening: east and west. Each basin is 120' in diameter and contains a solids contact softening unit. Each softening basin/unit has a design capacity of 18 mgd. The east clarifier has an effluent weir imbalance that the City intends to fix when low demands allow for construction. Low lift pumping limitations, flow control to the basins, malfunctioning polymer feed pumps, control restrictions on residuals removal, and fluctuating demands have made it difficult for WTP staff to stabilize the softening process. Softening is accomplished by feeding lime. The decision was made by the City not to feed soda ash in order to remove non-carbonate hardness because acceptable hardness levels could be achieved with lime feed only and softening is short term until Lake Huron water becomes available. Lime and soda ash softening is a possible consideration to assist with TOC removal and thus reduce THM formation.

7. Recarbonation

Recarbonation for pH adjustment is accomplished in east and west recarbonation basins between and to the north of the softening basins. Carbon dioxide storage and feed equipment is located west of the recarbonation basins.

8. Filtration

Filtration is accomplished with 12 dual media filters, equally sized and designed to filter 3.0 mgd each. Sand and anthracite media was replaced in July and August 2015 with new sand and GAC at depths of 12" and 18" respectively. Prior to spring of 2014, the filters had been operated intermittently over the years due to the standby nature of the WTP and until recently, chlorine injection took place downstream of the filters. It is possible some microbial growth had developed in the filters leading to increased chlorine demand which could have contributed elevated TTHM. Late 2014, the City recently hired a contractor to upgrade the electrical controls for the filters and that work has been completed.

9. Disinfection

Disinfection is provided by ozonation and by feeding chlorine. Ozonation occurs at the front end of the WTP. Chlorine is fed prior to filtration and prior to finish water storage / high service pumping. The intermediate chlorine injection location was recently constructed under the Phase II, Segment 1 contract.

10. Clear Well & Pumping

The pump building sits adjacent to a 3 MG clear well and contains both low and high service pumps.

B. JAR TESTS / EXPERIMENTS

1. Approach

There are several well practiced methods by which DBPs can be reduced. First, the disinfectant can be changed to an alternate that has a lower tendency to form DBPs. Second, additional treatment systems such as activated carbon or air stripping (depending on the nature of the precursors) can be added to remove DBP precursors. Lastly, the existing treatment processes can be optimized to remove as much DBP precursor as possible. Of these options, optimizing existing treatment processes is the only strategy that does not require the construction of new and expensive facilities. It is anticipated that Flint will be receiving Lake Huron water by late 2016 and this water will have a completely different chemistry from the Flint River. Major process changes instituted to address THM levels using Flint River water are likely to be unnecessary for Lake Huron water and may even be inappropriate. Therefore, those options which require addition of new treatment processes are undesirable at this time. In recognition of this upcoming change in water source, efforts for this study have concentrated on improving the existing processes, rather than adding new ones. New treatment processes will only be recommended if operational changes to the existing treatment train prove ineffective.

Recent sample test results suggest that most of the DBPs are formed in the distribution system rather than within the treatment plant. Therefore, the most logical approach is to reduce the DBP formation potential (DBPFP) rather than simply lowering the levels of DBPs leaving the plant. During bench scale testing, formation potential (FP) levels were the primary indicator of success or failure of proposed process modifications.

2. Protocol

Bench scale pilot testing is intended to reflect actual plant operating and hydraulic conditions so the bench scale treatment units were sized based on various dimensionless factors to ensure the pilot treatment matched the actual system. Bench scale ozonation was not practical due to time and cost limitations. Therefore, water samples were withdrawn from the plant ozone basin effluent. These samples were transported to the laboratory and dispensed into square testing jars. The jars were used to simulate rapid mix, three-stage flocculation, and settling. Rapid mix and flocculation conditions were matched to the plant based on "Gt" values. The "G" value is a measure of the mixing intensity and is a function of mix time, viscosity of the liquid, and mixing power applied to the water. "Gt" then, is a size scaling factor where time has been accounted for. Settling time was scaled to match the shorter settling depth of the testing jars. After settling, samples were decanted from the test jars. The decanted samples were then lime softened; softening conditions were similarly matched on the basis of "Gt". Carbon dioxide was sparged into the samples to reduce the pH. The water was then vacuum filtered through filter paper, sized to simulate the plant's dual media filters. The samples were dosed with excess chlorine and allowed to react for seven days at 25° C before testing for DBPs to determine the formation potential.

The following conditions were applied during testing to properly match small scale testing to actual plant processes.

TABLE 6 – BENCH SCALE TEST MIXING INTENSITIES

Process	G	Duration	Mix RPM
Ozonation	Plant	-	-
Rapid Mix	200	44 sec	160
Flocculation, Stage 1	50	9 min	55
Flocculation, Stage 1	25	9 min	30
Flocculation, Stage 1	12	9 min	19
Settling	N/A	10 min	-
Softening	TBD	10 min	-
Recarbonation	N/A	N/A	-

The primary variables during testing were chemical additions and chemical dosages. Specific chemicals and dosages used for initial testing conditions were selected to reflect current plant usage and the recommendations of the 2002 Treatability Study:

TABLE 7 – BENCH SCALE TEST CHEMICAL FEED RATES

Chemical	Current Usage	2002 Study	Test Values
Ozonation	4.66 mg/l	1.5 mg/l	
Ferric Chloride	7.7 mg/l Fe3+	40 mg/l Fe3+	7.7 – 80 mg/l Fe3+
Coagulant Aid Polymer	Not used	2.0 mg/l	1 – 2 mg/l
Flocculation Aid Polymer	Not used	0.05 mg/l	0 – 0.05 mg/l
Powdered Activated Carbon	Not used	N/A	20 – 100 mg/l
Lime	120 mg/l	175 mg/l	120 – 175 mg/l
Soda Ash	Not used	52 mg/l	0 – 52 mg/l
Cationic Softening Polymer	3.13 mg/l	Not used	3.13 mg/l
Anionic Softening Polymer	0.88 mg/l	Not used	0.88 mg/l
Fluoride	0.45 mg/l	1 mg/l	Not used
Carbon Dioxide	32 mg/l	37 mg/l	Fed to reach pH of 7.5 +- 0.3
Chlorine	6.3 mg/l	1 mg/l	10 mg/l

3. Considerations

The 2002 Treatability Study did not note significant formation of DBPs. This may be a function of different Flint River water chemistry at that time. However, recognizing the considerable differences in chemical usage and dosages between that study and current operations, those differences in chemical use and dosage are an obvious starting point for optimizing treatment to prevent DBP limit exceedance.

Although it is believed that optimization of current treatment can correct the DBP issue, should optimization of present treatment prove insufficient, alternate residual disinfectants (chloramines and chlorine dioxide) could be investigated as additional treatment measures.

4. LAN Test Results

Two rounds of jar testing were completed by LAN during the weeks of December 15, 2014 and January 26, 2015. Detailed test data is included in Appendix A. Testing results can be summarized as follows:

- Increased dosages of ferric chloride resulted in higher reduction of THMFP.
- The currently utilized feed rate of lime at 120 mg/l is appropriate
- Softening with soda ash in addition to lime resulted in minor additional THMFP reduction – in the range of 0% - 10%.
- The benefits of using a cationic polymer during softening at a dosage range of 0.31 - 3.13 mg/l to help reduce THM's are unclear
- The benefits of using an anionic polymer during softening at a dosage range of 0.09 – 0.88 mg/l to help reduce THM's are unclear
- Feeding PAC was ineffective in reducing THMFP within the dosage range of 20 – 100 mg/l.

5. Testing by Others

In addition to jar testing completed by LAN, the chemical supplier who provides ferric chloride for the City, PVS Technologies, ran tests using their recommended flocculant polymer aid. Plus, Veolia Water completed jars testing of their own the week of February 16th to analyze other process details and current WTP parameters. Experiments completed by PVS Technologies showed very little TOC removal beyond that obtained with straight ferric chloride feed.

6. Conclusions

Increasing the dose rate of ferric chloride is an operational change that can easily be implemented without the need for any additional equipment. Test results show that over 40% THMFP removal can be obtained with a dosage of 60 mg/l Fe3+ or higher. Increased dosing of ferric chloride would be most ideal coupled with regular raw water TOC monitoring so that TOC levels would dictate the appropriate ferric chloride feed rate.

Softening with soda ash in addition to lime is another option the City should consider if increased ferric chloride doses are not adequate to maintain THM levels under the MCL, particularly during warmer months. Again, monitoring of TOC in the raw water could provide useful information of when lime/soda ash softening is necessary.

IV. DISTRIBUTION SYSTEM EVALUATION

EPA guidance for the distribution evaluation portion of an OER is focused on identification and isolation of a specific portion of the distribution system that led to the exceedance. The circumstances of Flint's apparent pending TTHM exeedances are unusual in that a new supply has been implemented which clearly corresponds to the high TTHM sample results. Although the new source is one element in increased TTHM levels, value remains in evaluating the distribution system since water age is also a critical factor. Additionally, there may be distribution improvements that can be made to help alleviate the problem.

A. INFRASTRUCTURE

1. Piping

According to the most recent MDEQ Sanitary Survey, the distribution system is estimated to contain 70% cast iron, 20% ductile iron, 2% concrete and 8% steel water mains. Based on discussions with City staff, the percentage of cast iron pipe may be higher than that stated in the MDEQ Sanitary Survey. Unlined cast iron pipe can become pitted, allowing colonization sites for microorganisms leading to chlorine demand. Additionally, much of the piping in the system is aged and in poor condition. Increased chlorine demand could be resulting from biofilm in older pipes and from main breaks/repairs. The extent of contribution is not known but any water main replacement project will decrease chlorine demand somewhat if constructed properly. Unfortunately, water main breaks may also assist with decreasing water age by providing unintentional flushing. All things considered, it is impossible to quantify the impact existing piping has on THM formation without extensive research and long term study.

The City utilizes City Point software and GPS equipment to document main breaks and prioritize replacements. However, main break information is more pertinent to rusty water complaints and has little relevance to THM levels. Areas that have been targeted for main replacements include the transmission main from the WTP west to Dupont and south to the West Side reservoir, Fenton Road, Atherton Road, Dort Highway, Averil Street, and Boulevard Drive.

2. Storage

There are 4 finish water storage tanks and 1 raw water tank as tabulated below:

TABLE 8 – STORAGE TANKS

Name	Type	Water	Volume (MG)	Operating		Absolute	
				LWL	HWL	Bottom	OF
Dort Reservoir	Ground	Raw	20	-	-	730	750
WTP Tank	Elevated	Finished	2	883.0	896.0	863.0	898.0
WTP Clear Well – PS #4	Ground	Finished	3	11′	15′	708.5	726.0
Cedar Street Reservoir	Ground	Finished	20	-	11′	737.2	757.2
Westside Reservoir	Ground	Finished	12	-	12′	761.8	779.0

The MDEQ typically recommends providing a minimum finish water storage volume of 1/3 the maximum daily demand (MDD). According to the 2013 MDEQ Sanitary Survey, the 5 and 10 year MDDs are 21.57 mgd and 30.05 mgd respectively. A common rule of thumb for clear well storage volume at a WTP is 10% of the design flow rate. Another general guideline for reliability is to provide total storage to allow for 2 X the average daily demand plus fire flow demand. For this analysis, fire flow is assumed to be 2,500 gpm for either one industrial fire (2,500 gpm) or a combination of one residential (1,000 gpm) and one commercial (1,500 gpm) fire at a 4 hour

duration which results in a total volume of 600,000 gallons. These go-by approximations are summarized below with the applicable flow rates and are compared to the existing storage volumes currently being utilized.

Common Practice	Flow Rate	Recommended Volume by ROT	Volume In Use
Clear well 10% of Design Flow	18 MGD	1.8 MG	3.0 MG
Finish Storage = 1/3 MDD	30.05 MGD	10.0 MG	37 MG
Total Storage = 2 * ADD + FFD	13.87 MGD	28.3 MG	57 MG

Based on the values above, it appears the storage volume used in the Flint system could be decreased without negatively effecting reliability. The appropriate volumes of individual tanks will be further evaluated using the water system model and discussed in Section V (C).

All reservoirs have baffling to minimize stagnant water. Also, all tanks have been maintained and are in reasonable condition. The Westside reservoir has an exposed roof that is in need of rehabilitation, but its current condition has no influence on THM formation.

3. Pump Stations

All pump stations are in good condition but pumps are generally oversized. As an independent consideration, oversized pumps are not a contributing factor to high THM levels. Control of pumps and pressure zones are discussed in detail below.

B. OPERATIONS AND MAINTENANCE

1. Pump Station & Storage Operations

Pump stations and storage tank levels are controlled as shown in Table 9.

TABLE 9 – PUMP STATION CONTROLS

PS Name	Control Point	On Point	Off Point
PS No. 4 Raw	Operator	-	-
PS No. 4 Finish	Match plant flow	-	-
Westside	System pressure (elevated tank)	22.5′	33′
Cedar Street	System pressure (elevated tank)	22.5′	33′
Torrey Road	Distr. – Brown/Bradley	< 45 psi	> 45 psi

Prior to the first TTHM violation, Cedar Street and Westside pump stations were operated as needed and were alternated. Typically, Cedar Street was run in the morning and Westside was run in the evening and reservoirs for each were filled during low demand periods at night.

Westside, Cedar Street and Torrey Road pump stations are used to boost system pressure when high demands warrant it, but there are not well defined pressure zones within the system. Therefore, the possibility exists that water is being recirculated allowing for increased water age.

2. Booster Disinfection Practices

Booster disinfection is provided at the Cedar Street and Westside pump stations. When sustained residuals are not provided by chlorine feed at the WTP, sodium hypochlorite is applied at the reservoirs while being filled.

3. Changes in System Demands

Water demands in the City have been declining since the 1960's as the population has dropped. As a result, many of the water system components are oversized including storage tanks and water mains which both increase the time for water to reach the user.

From a short term perspective, Flint demands tend to increase in summer as is ordinarily expected but also in the winter due to water main breaks. The MDD for Flint often occurs in winter. Regarding THM formation, with lower temperatures and higher flows in the winter, THM levels taken at the distribution sample points are expected to be lowest for February sampling quarters than all others.

C. WATER SYSTEM HYDRAULIC MODELING

As part of this report, the City provided a hydraulic water model, originally developed by Potter Consulting, for LAN to update. Thus far, LAN has modified the model to be capable of extended period simulations, modified controls to reflect current operations, revised the piping to include known broken valve locations, updated pump curves, checked pipe diameters, updated system demands, and developed preliminary water age results throughout the entire system. Water age shown in the revised model corresponds for the most part to TTHM levels at the sampling sites. However, LAN has also identified several issues affecting the model that require further attention to allow for usable and reliable results. Those issues include accurate quantification of lost water and confirmation of the status of valves throughout the system. Preliminary water age results are presented in Table 10. Revised results will be provided when the hydraulic model has been fully updated.

TABLE 10 – PRELIMINARY WATER AGE FROM WATER MODEL

Sample Point	Location	Address	Water Age (Hrs)	May/15 LRAA THM (ug/l)
1	McDonalds	3719 Davison	25	68
2	BP Gas Station	822 S. Dort Hwy	18	54
3	Liquor Palace	3302 S. Dort Hwy	14	60
4	Taco Bell	3606 Corunna	340	72
5	Univ. Market	2501 Flushing	305	94
6	Salem Housing	3216 MLK	45	66
7	Rite Aid	5018 Clio	41	69
8	N. Flint Auto	6204 N. Saginaw	37	55

It is anticipated that topics shown below in italicized font will be detailed after the model is updated in Sept-Oct, 2015.

1. Simulation of Existing System

Match existing conditions. Chlorine and THM data may be used to verify model results. We have chlorine feed data at plant and residuals at 10 locations in each MOR, May 2014 – July 2015.

2. Identification of Water System Deficiencies

Specific issues to look at:

- *Water age in entire system*
- *Possible recirculating water through pump stations*
- *Use of storage tanks – volumes in particular*
- *Indications of broken valves*
- *Effectiveness of booster disinfection*

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V. RECOMMENDATIONS TO MINIMIZE FUTURE OEL EXCEEDANCES

A. SOURCE

The City of Flint has already committed to the change from the Flint River as the water source to Lake Huron under the KWA system, planned for late 2016. The risk of future TTHM limit violations will decline substantially with the use of water from Lake Huron due to much lower DBP precursors. It is important to recognize that the Flint River will become strictly an emergency supply when the KWA supply becomes available and any investments toward the Flint River should be contemplated accordingly. Recommendations discussed below in this section apply to the Flint River as the source.

Reverting to supply from the DWSD until the KWA supply is available as an option. However, based on information provided by the City of Flint, the annual cost to receive water from the DWSD would be at least $16,000,000/year or $1,333,000/month. Therefore, utilizing the DWSD for interim supply is cost prohibitive under the terms defined by the DWSD.

1. Watershed Management
A volunteer group entitled the Watershed Coalition performs various tasks related to managing the Flint River watershed such as spring cleanups and annual benthic studies to evaluate the river 'health'. No additional action is recommended at this time.

2. Monitoring
The City documents daily raw water flow, pH, alkalinity, carbonate and non-carbonate hardness, chloride, temperature, turbidity and coliform count as part of standard preparation of Monthly Operating Reports (MOR). WTP staff have obtained and installed TOC and THM analyzers. The THM analyzer is set up as an on-line plant tap monitor and operations personnel have begun taking samples most days to track TOC levels throughout the treatment process. It is recommended to implement TOC tracking as a strict daily procedure which would provide staff the data needed to establish correlations to predict distribution system THM formation.

3. Intake Operations
The 2002 Treatability Study recommended pre-oxidation in the form of sodium permanganate as a feed at the intake. It is possible the addition of a pre-oxidant such as hydrogen peroxide or some type of permanganate could enhance the ozone process. Veolia evaluated permanganate demand during jar testing the week of February 16th, 2014 and recommended implementation at a dosage of 0.5 mg/l – 1.2 mg/l to achieve 10% additional TOC removal.

4. Seasonal Strategies
Past data indicates the Flint River is influenced by groundwater and in particular, dolomitic spring water. The result is hard water with high concentrations of magnesium and sulfate. Also, hardness and alkalinity are higher during the winter. Upon initiation of supply from the Flint River, the City made the decision to soften with just lime to focus on removal of carbonate hardness. One potential modification that could assist with TOC removal and thus decrease THMFP would be lime and soda ash softening. A temporary caustic soda feed system is recommended to be put in place in case the need for optimized softening arises.

5. Upstream Contamination Issues

Upstream contamination issues are extremely difficult to prevent and even if detected are difficult to locate. Evaluation of raw water data collected for MORs is the easiest manner in which to detect upstream contamination issues because the data is already collected for treatment purposes. In fact, high total Coliform readings in the past have signaled potential issues that the City was able to identify and remove.

An upstream monitoring and warning system could be established to attempt to detect water quality issues or spill event type contamination early enough to adjust treatment procedures or cease intake prior to the contamination reaching the WTP. However, given the imminent conversion to the KWA supply, the period of full time use would likely be far too short to achieve payback on the capital expenditures.

B. TREATMENT PROCESS

1. Operational Recommendations

- Increase ferric chloride dosage: Previous testing in the 2002 Treatability Study, jar testing completed by LAN, and a review of 2014 ferric chloride dosages compared to THM levels leaving the WTP support that increasing the ferric chloride dosage would help reduce THM formation.
- Increased monitoring: Currently, the MDEQ does not require daily reporting of raw water TOC or finished water TTHM levels. However, daily tracking of such levels would allow the City to develop a correlation between the two, thus providing a predictive tool to help manage TTHM levels.
- Coagulation and flocculation polymer aids: The 2002 Treatability Study suggested the use of coagulation and flocculation polymer aids. These polymer aids were shown in the 2002 Treatability Study to increase TOC removal and thereby reduce THMFP but jar testing by LAN and PVS Technologies did not indicate clearly defined benefits. Addition of coagulation and flocculation polymer aids should be categorized as a future consideration that would require further evaluation.
- Discontinue softening bypass: In early summer of 2014 the City was bypassing a portion of flow around the softening basins because hardness levels did not warrant softening of the full stream. However, this practice was discontinued because it was believed the bypass stream was contributing to chlorine demand and preliminary data has supported that belief. Chlorine demand dropped 0.5 – 1.0 mg/l following elimination of the bypass stream in early November 2014.
- Soften with lime and soda ash: Research has shown that enhanced softening with both lime and soda ash may provide additional TOC removal. Veolia did not recommend this option after conducting jar tests.
- Disinfection of filter beds: Recommendation is no longer applicable since media has been replaced.
- Optimization of all existing treatment processes: Depending on bench scale testing conditions and results, slight modifications to all treatment processes might in order to replicate lower DPBFP.
- Discontinue or adjust softening anionic polymer feed: Some anionic polymers have been found to increase TOC. However, Veolia provided no recommendation to change polymers following their evaluation.

2. Infrastructure Change Recommendations

- Fix and/or replace faulty ozone equipment: Since the ozone equipment was installed it had not been used extensively on a full time basis. Following minor complications, the City hired the equipment manufacturer and a programmer to troubleshoot the system. Replacement of faulty gauges and redesign of the control program have allowed the system to operate properly since January 2015.
- Replace filter media with GAC media: GAC media could help reduce THM levels by reducing both TOC and chlorine demand. For this consideration, the intermediate chlorine feed location should be relocated to a point downstream of the filters. The City elected to pursue this option and 6 filters were completed in July 2015 and the remaining 6 were completed in August 2015. Provisions are also being considered for adding more GAC media and/or regeneration of media next summer.
- Change disinfectant to chloramine or chlorine dioxide: If other options prove to be ineffective, conversion to another disinfectant should be fully evaluated. Various characteristics of chloramination indicate an advantage over chlorine dioxide, but a full analysis would provide clarity as to which would be preferred.
- Install pre-oxidant chemical feed: Hydrogen peroxide or a form of permanganate as a pre-oxidant can enhance the activity of the ozone. Chemical feed could be installed at the intake structure or low service pump station, depending on the reaction time required. Use of a pre-oxidant at the intake might also provide the additional benefit of disinfection credit for ozonation with the MDEQ if an ozone residual can be obtained at the ozone process effluent as a result.
- Repair upstream sewer leak: a sewer leak upstream of the WTP intake was discovered in early summer 2014 and has been repaired by the City.

C. DISTRIBUTION SYSTEM

Potential distribution issues related to water quality issues discussed in Section IV included old cast iron pipe, oversized infrastructure, and remote storage/pump station locations and operations that might be less than ideal. Recommendations to address those issues are offered in this section.

1. Manage Water Age

a) Storage Tanks

Considering the excess storage capacity discussed in Section IV, in the short term it is recommended that operational changes be implemented immediately to reduce the overall volume of water stored to decrease water age. Immediate operational recommendations include lowering high water levels of reservoirs other than the elevated tank, to reduce the total system wide usable storage volume to 30-37 MG.

In the long term, LAN recommends development of the most ideal options for water model evaluation. Excess storage volume and tank locations within the water system afford Flint numerous options to reduce the amount of storage volume utilized. As a starting point, two recommendations are presented below.

Option 1
- Take West Side reservoir and pump station out of service
- Cut storage volume used in half at Cedar Street reservoir
- Adjusted system wide storage volume would be 35 MG

Option 2
- Take Cedar Street reservoir and pump station out of service
- Adjusted system wide storage volume would be 37 MG

b) Residence Time in Pipes

Completely redesigning and replacing the water system to match today's demands is not feasible financially and would be a waste of infrastructure with remaining useful life. Going forward, it is recommended that any future main replacement projects be evaluated for possible downsizing. When the water model is fully updated, it will provide a valuable tool in determining which mains can be downsized and to what extent. Replacement of broken valves and valve exercising are also recommended, which are programs that have already been implemented into Flint's regular operations.

Operationally, hydrant flushing is recommended as needed to minimize water age in low flow areas. Again, the updated water model should be used to locate high water age areas and optimal flushing points.

2. Reduce Disinfectant Demand

Recommendations to reduce disinfectant demand are similar to those described above to reduce water age. Replacement of old cast iron pipes would lead to a reduction of disinfectant demand on the distribution side, but realistically can only be accomplished over a prolonged period of time. In the meantime, hydrant flushing is the most viable means of reducing disinfectant demand in piping. From a storage standpoint, all reservoirs and tanks should be regularly inspected and maintained to prevent entrance of any outside contamination that would contribute to disinfectant demand. Cleaning of all tanks is recommended as well as investigation into stagnant water prevention options.

3. Water Modeling of Recommendations [yet to be completed]

Determine best flushing locations to reduce water age
Evaluate changes in storage tank operations to reduce water age
Valves to close/add to improve pressure zones, reduce recirculation
Optimization of pump station use – smaller pumps? Shut down?
Evaluate booster disinfection

D. BOOSTER DISINFECTION

Decreasing chlorine feed at the WTP and adding booster disinfection in the distribution system is an alternative intended to reduce the reaction time at higher concentrations of chlorine to reduce DPB formation. Extensive looping and branching within the existing system complicate how to best implement and utilize booster disinfection. Water system modeling is recommended to gage the effectiveness of existing feed point locations and dosages. Further discussion and details will be provided when the distribution evaluation results are available.

E. CATEGORIZATION OF ACTIONS

Considering that the Flint River is being used as the water source only until the KWA supply is available (expected late 2016), options to address high THM formation that require new construction or extensive time to implement are not preferred. On the other hand, the City understands THM sample results to date dictate that some action is necessary. Two categories have been developed to assist the City in prioritizing actions to take. Stage 1 consists of actions that can be completed relatively quickly without major construction and Stage 2 actions are either long term actions or solutions requiring major construction. Stage 1 actions are to be completed first followed by evaluation of the results prior to consideration of Stage 2 actions. Grouping of actions are shown in the table below.

TABLE 11 – ACTION PLAN

	Action	Purpose	Status
Stage 1	Hire water consultant to complete 'water audit'	Third party review of actions and operations to make sure no options are being missed	Complete
	Increased water quality monitoring – obtain THM and TOC analyzers	Provide information needed to adjust WTP operations to match changing raw water quality	Complete
	Troubleshoot ozone feed system	Reduce chlorine feed and increase TOC removal	Complete
	Bench scale jar testing	Optimize treatment process and evaluate possible modifications	Complete
	Discontinue softening bypass	Reduce chlorine demand	Complete
	Disinfect filters	Reduce chlorine demand	Complete
	Increased water main flushing	Reduce water age / stagnant water	Ongoing
	Water system modeling evaluation	Determine areas with high water age and reasons	Partially complete
	Modify booster disinfection feeds, if appropriate	Decrease water age	Not yet evaluated
Stage 2	Repair ozone system	Reduce chlorine feed and increase TOC removal	Complete
	Continue increased water main flushing	Reduce water age / stagnant water	Ongoing
	Replace filter media with GAC	Reduce TOC and chlorine demand	Complete
	Continue valve replacements based on water model	Reduce water age / stagnant water	Ongoing
	Convert to lime and soda ash softening	Increase TOC removal	Future consideration
	Change disinfectant to chlorine dioxide	Reduce THMFP	Future consideration
	Install pre-oxidant feed at intake	Optimize ozone disinfection, reduce chlorine	Future consideration
	Implement coag. & floc. polymer aids, if appropriate	Increase TOC removal	Future consideration
	Place priority on replacing cast iron water mains	Reduce chlorine demand	Ongoing

Samples were taken August 18th, 2015 for the latest round of quarterly testing. The City has implemented many of the Stage 1 actions and installed GAC media in the filters and THM test results have significantly improved (decreased) since May and August 2014. All sampling results are shown on Chart 1.

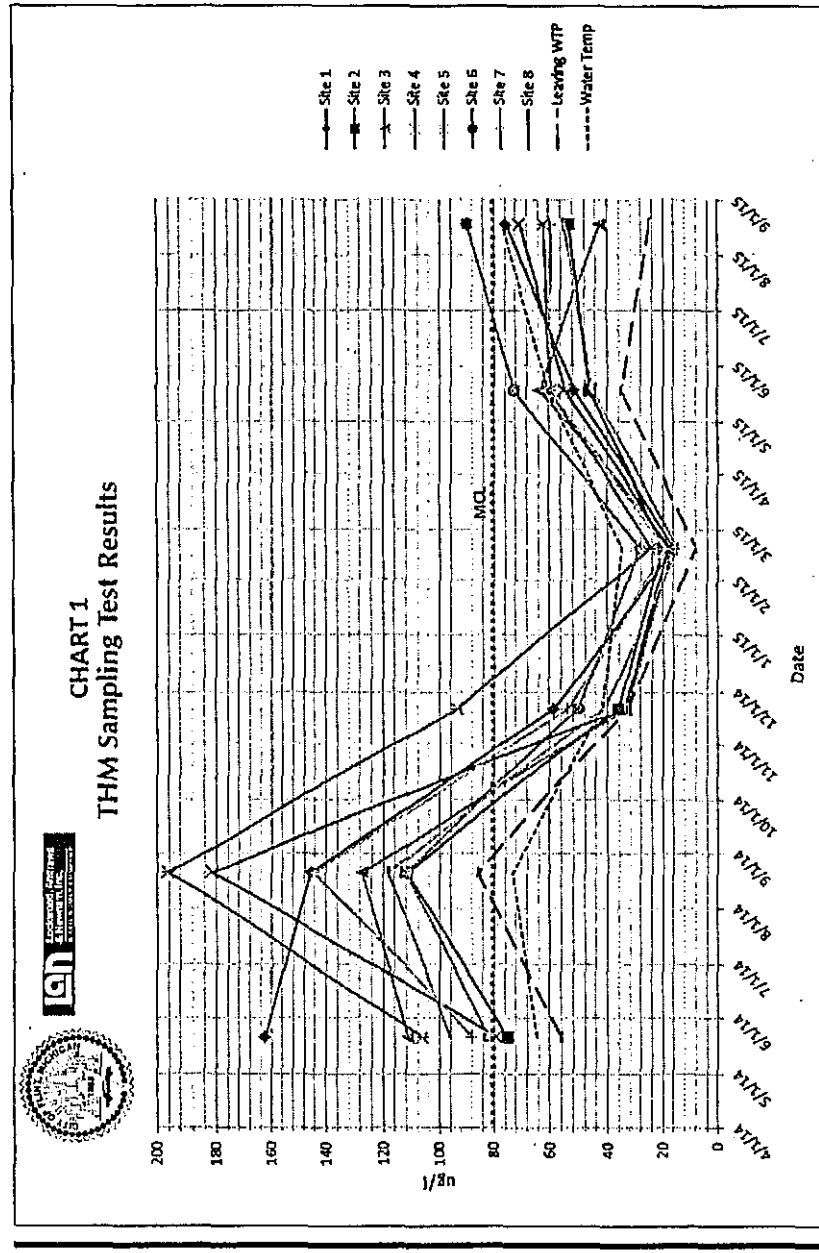
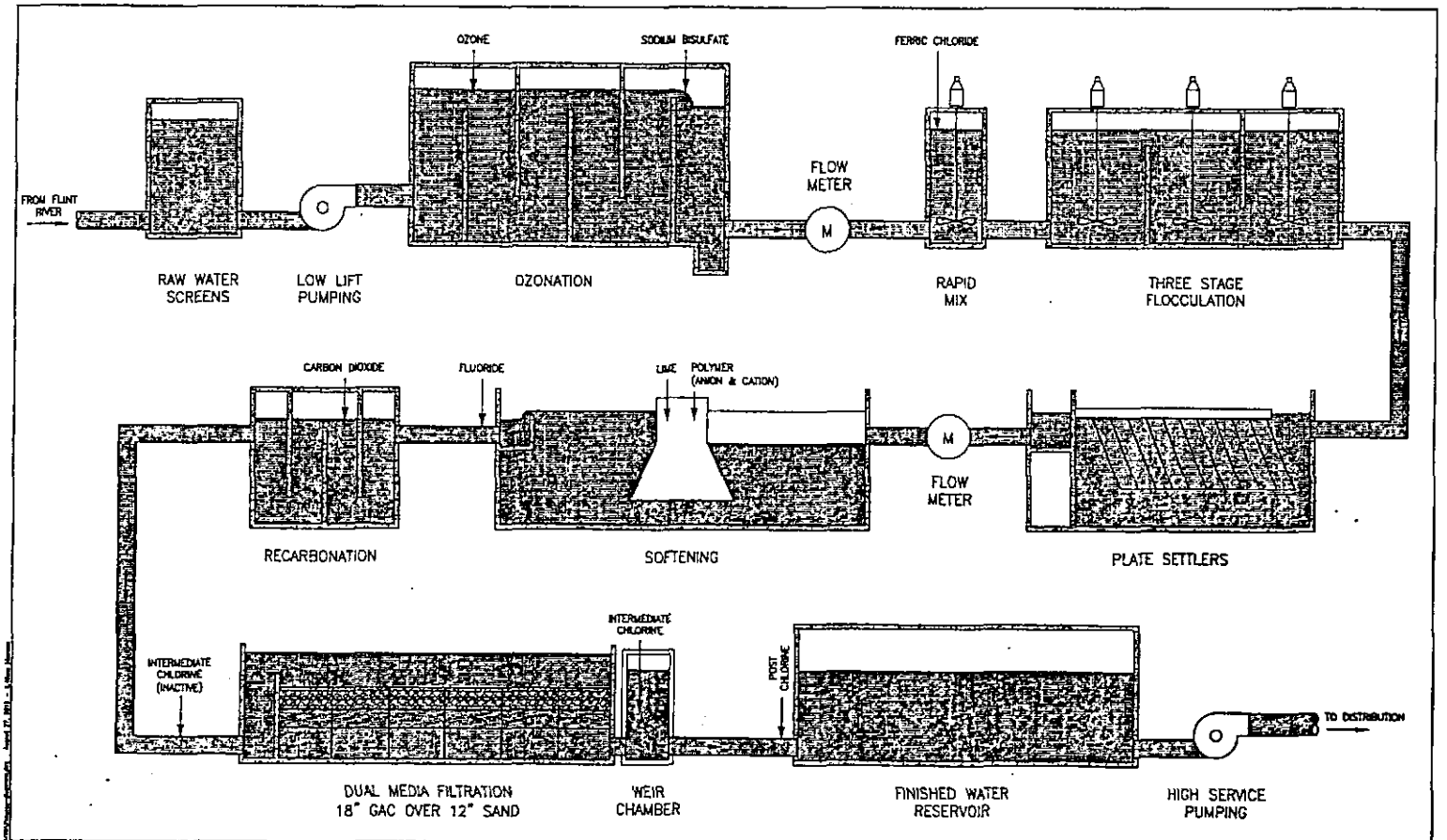


CHART 1
THM Sampling Test Results
Site 1
Site 2
Site 3
Site 4
Site 5
Site 6
Site 7
Site 8
Leaving WTP
Water Temp
MCL
ug/l
Date



Genesee County	Lockwood, Andrews & Newnam, Inc.	CITY OF FLINT WATER TREATMENT PLANT	REVISIONS / FILE LOG	WATER TREATMENT PLANT PROCESS DIAGRAM

Sheet
FIG 1

APPENDIX A
JAR TEST DATA

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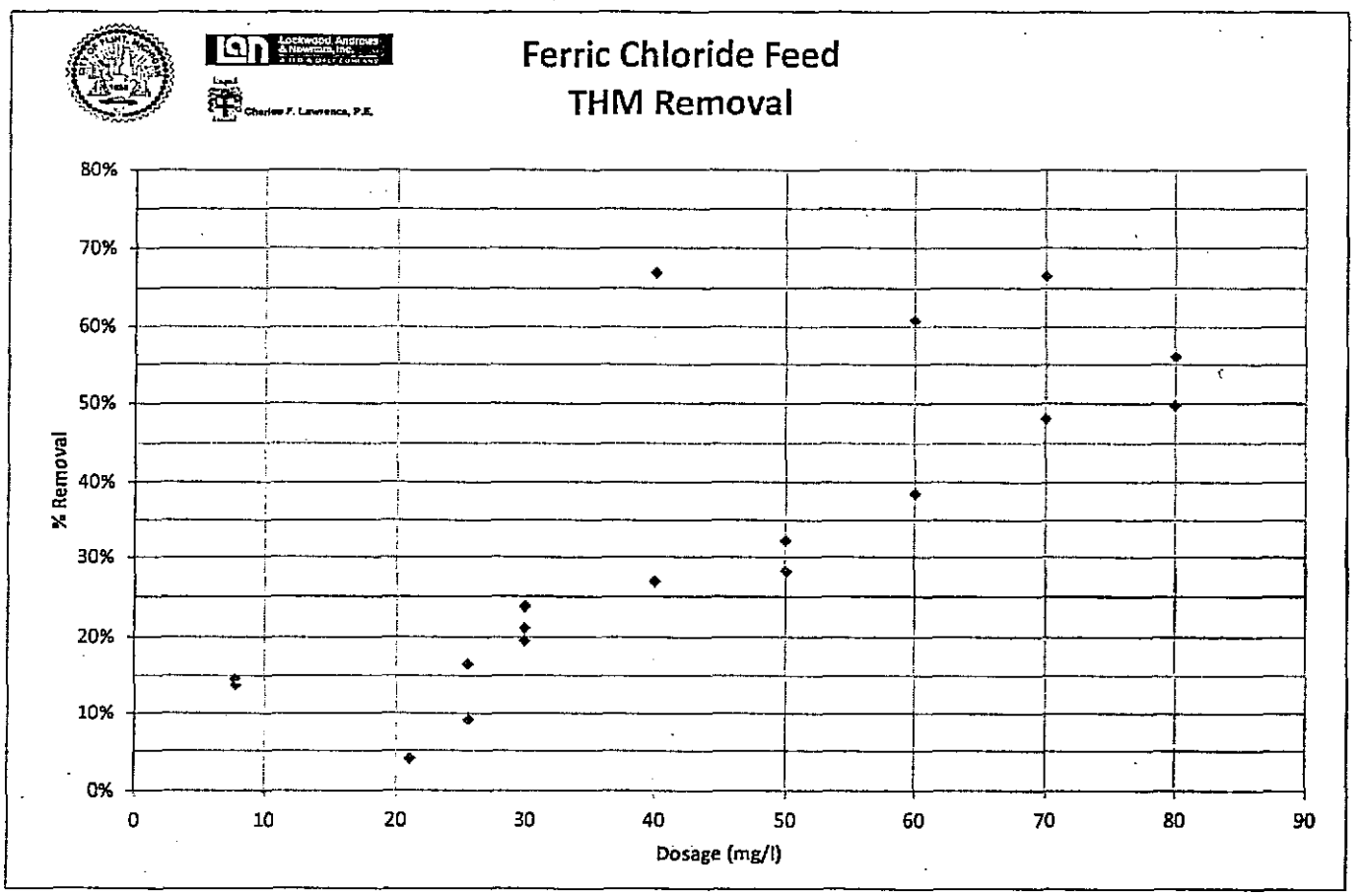
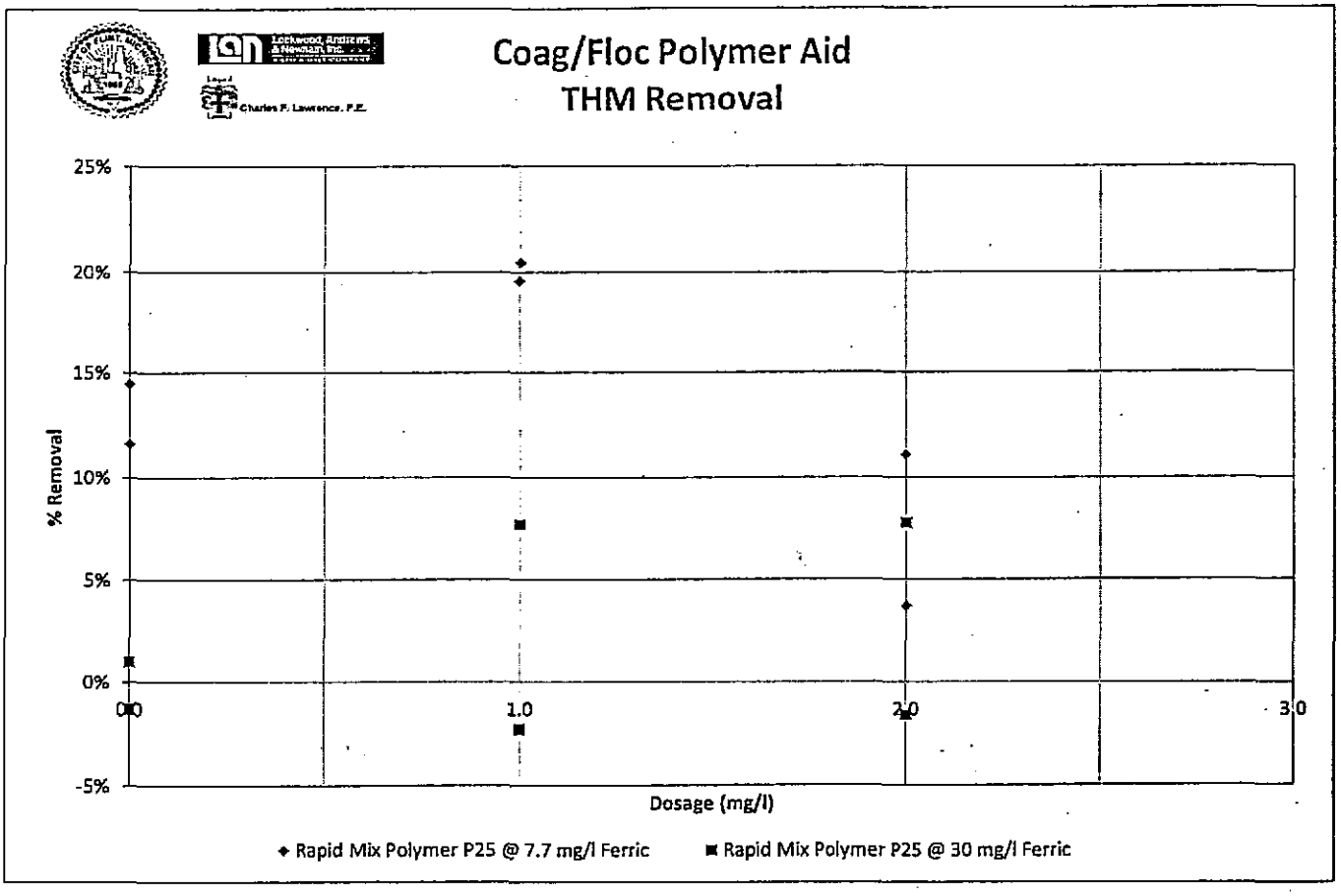
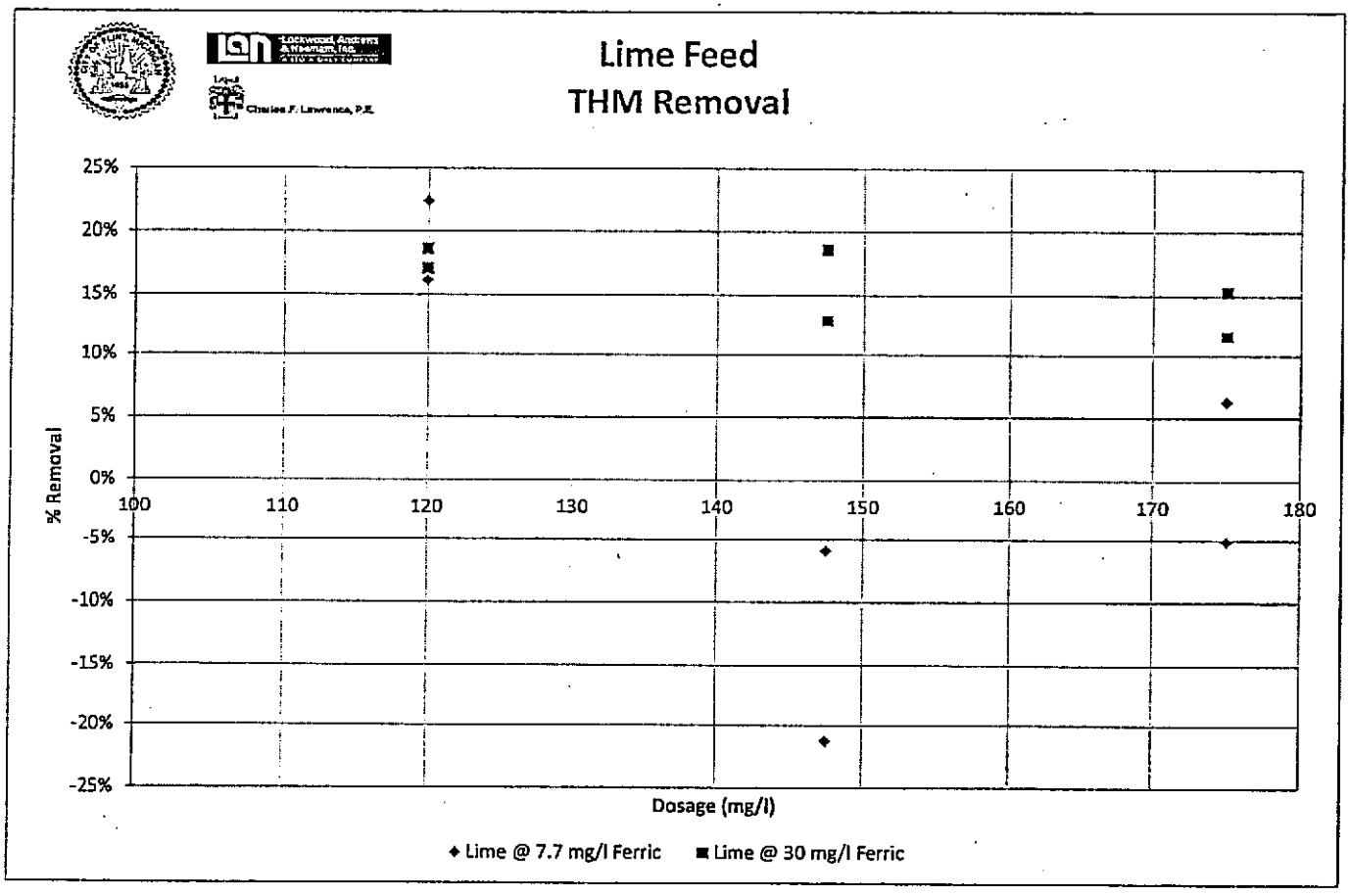
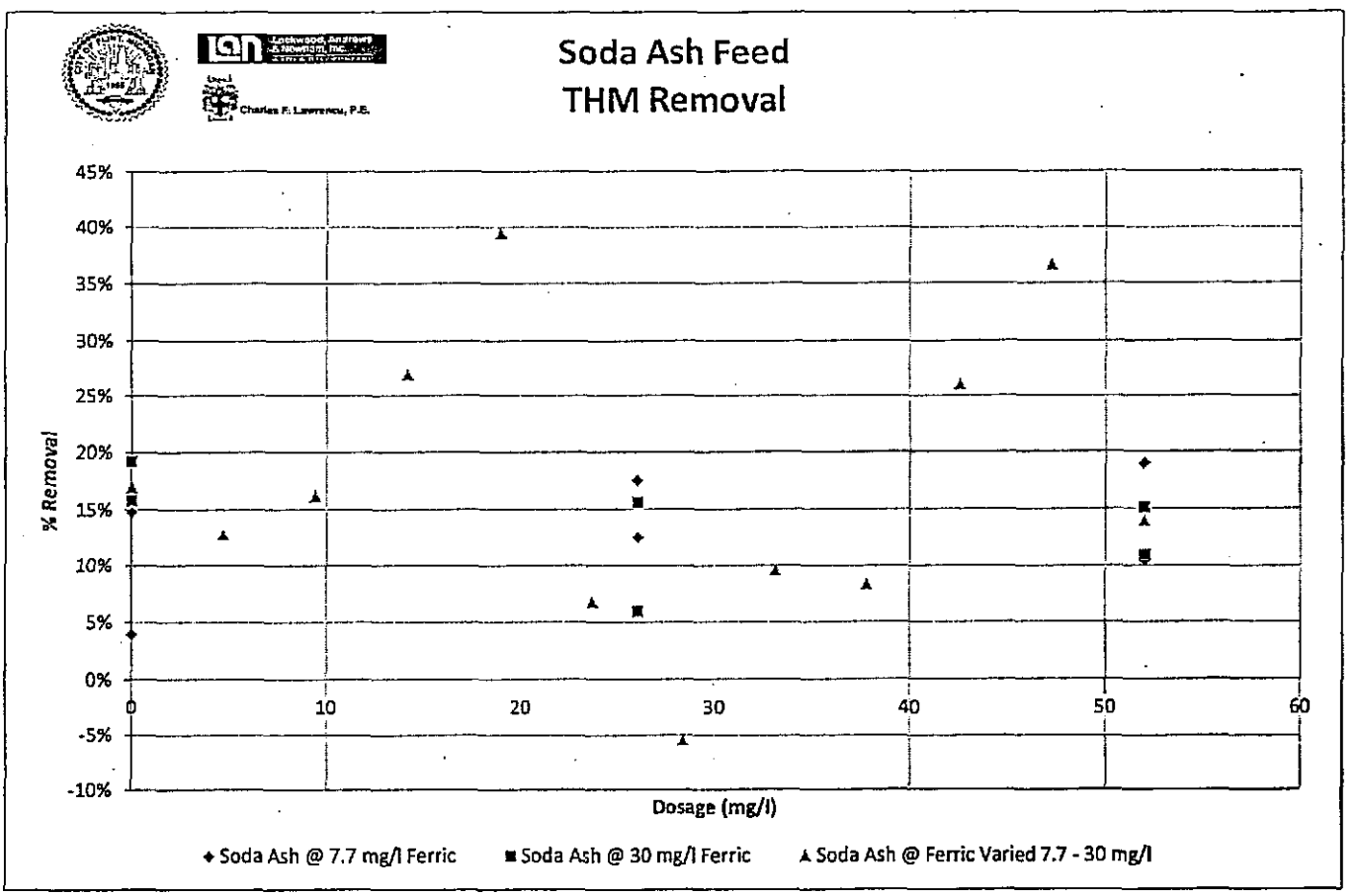
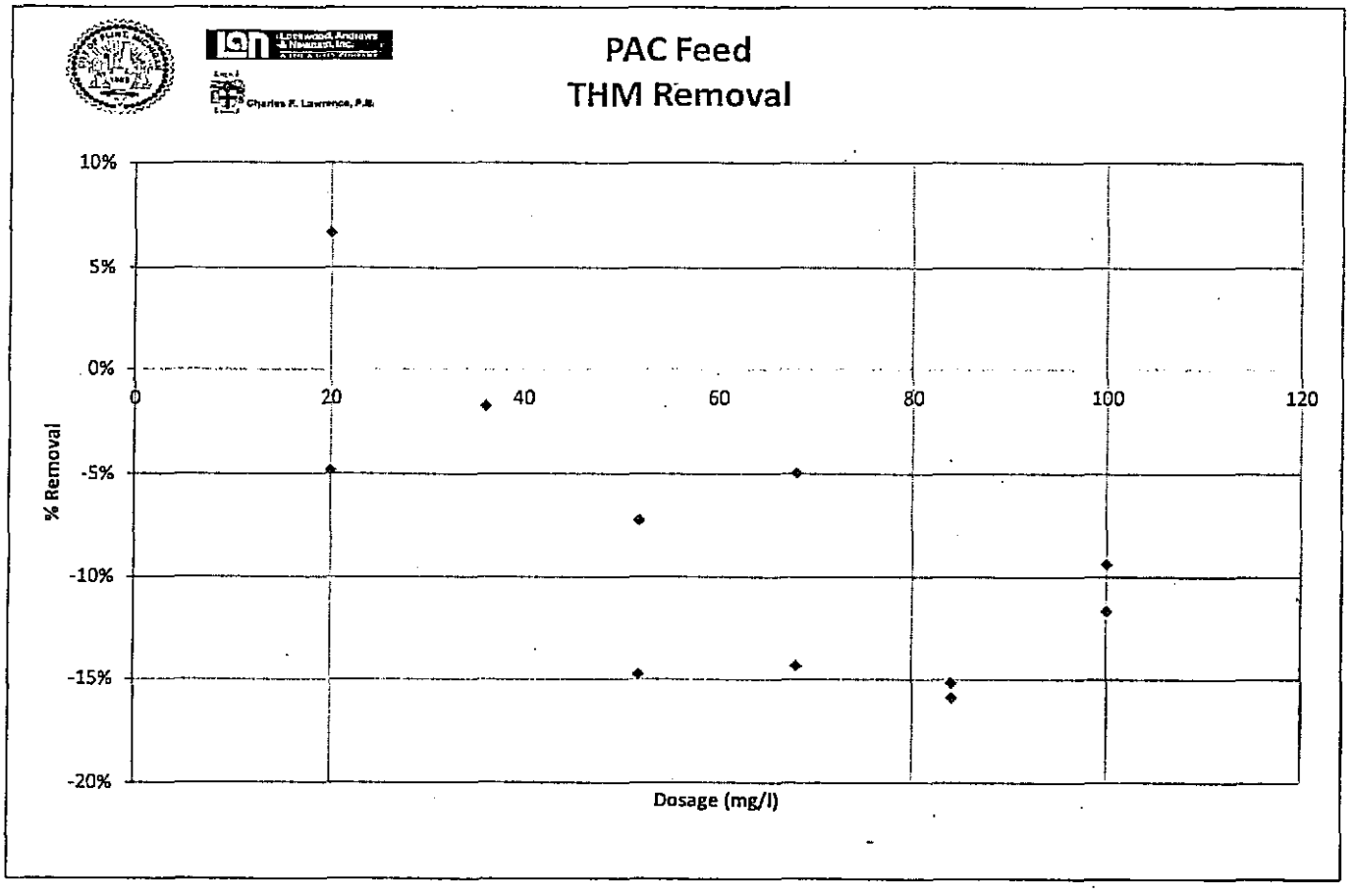

Ferric Chloride Feed
THM Removal
% Removal
80%
70%
60%
50%
40%
30%
20%
10%
0%
0
10
20
30
40
50
60
70
80
90
Dosage (mg/l)


Coag/Floc Polymer Aid
THM Removal
Charles F. Lawrence, P.E.
25%
20%
15%
10%
5%
0%
-5%
% Removal
0.0
1.0
2.0
3.0
Dosage (mg/l)
Rapid Mix Polymer P25 @ 7.7 mg/l Ferric
Rapid Mix Polymer P25 @ 30 mg/l Ferric


Lime Feed
THM Removal
25%
20%
15%
10%
5%
0%
-5%
-10%
-15%
-20%
-25%
% Removal
100
110
120
130
140
150
160
170
180
Dosage (mg/l)
Lime @ 7.7 mg/l Ferric
Lime @ 30 mg/l Ferric


Soda Ash Feed
THM Removal
Charles F. Lawrence, P.E.
45%
40%
35%
30%
25%
20%
15%
10%
5%
0%
-5%
-10%
% Removal
0
10
20
30
40
50
60
Dosage (mg/l)
Soda Ash @ 7.7 mg/l Ferric
Soda Ash @ 30 mg/l Ferric
Soda Ash @ Ferric Varied 7.7 - 30 mg/l


PAC Feed
THM Removal
Charles R. Lawrence, P.E.
10%
5%
0%
-5%
-10%
-15%
-20%
% Removal
0
20
40
60
80
100
120
Dosage (mg/l)

APPENDIX B
WTP DATA

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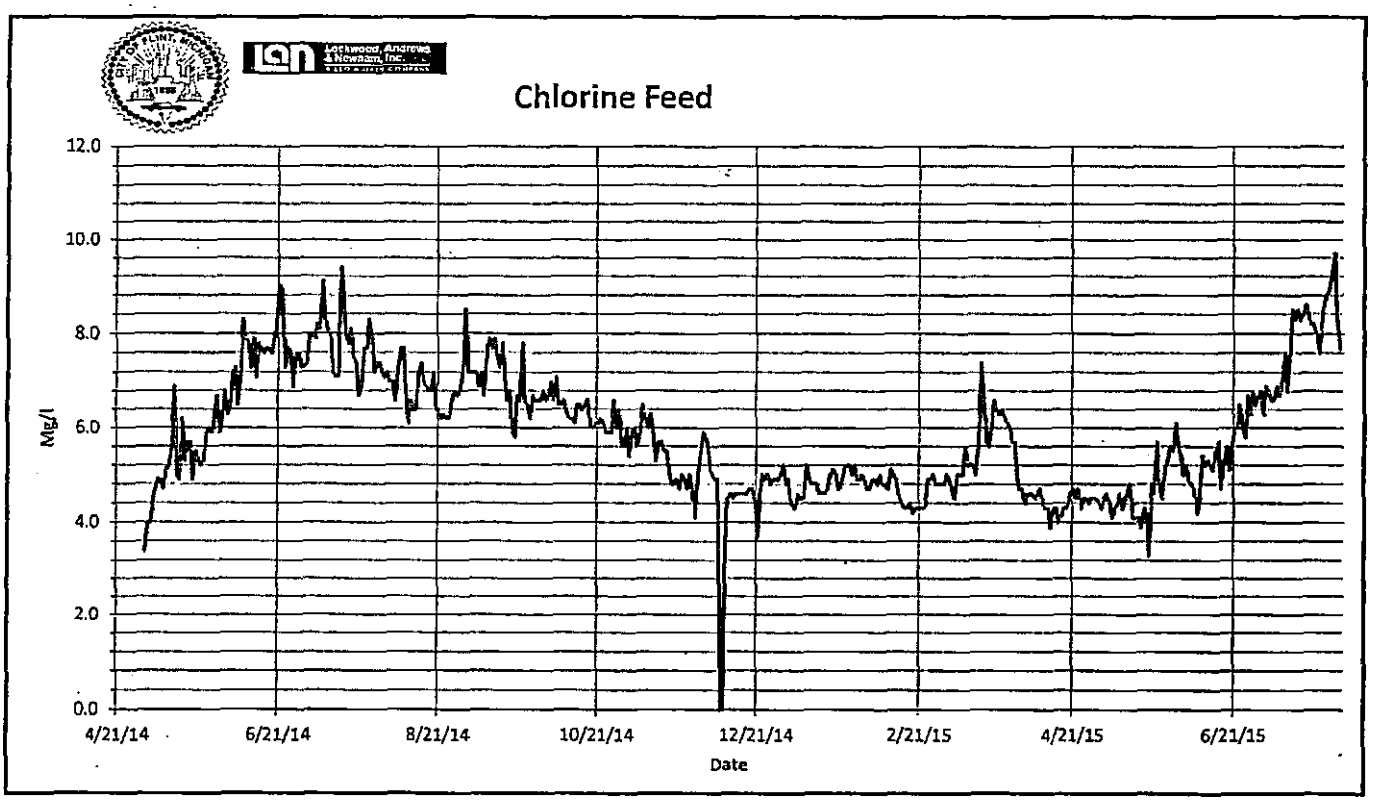
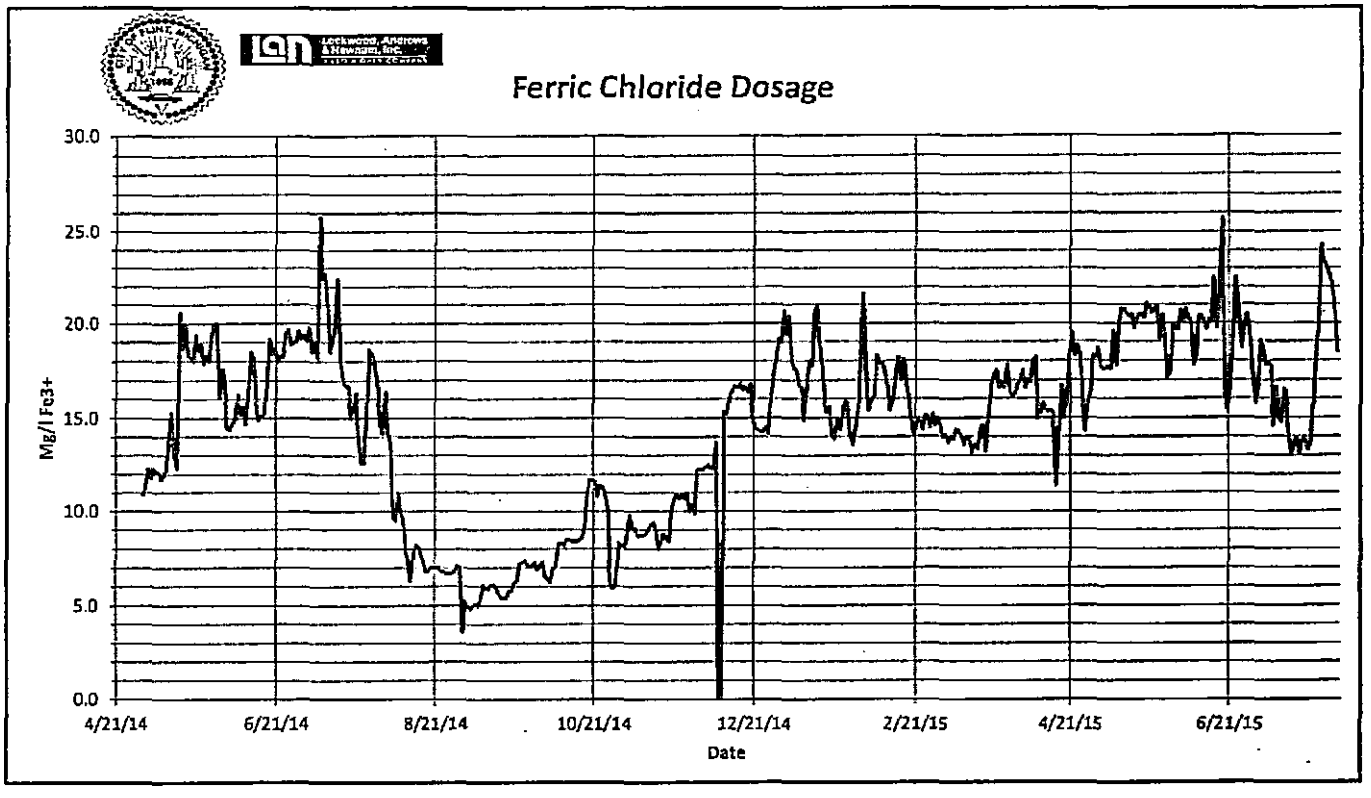
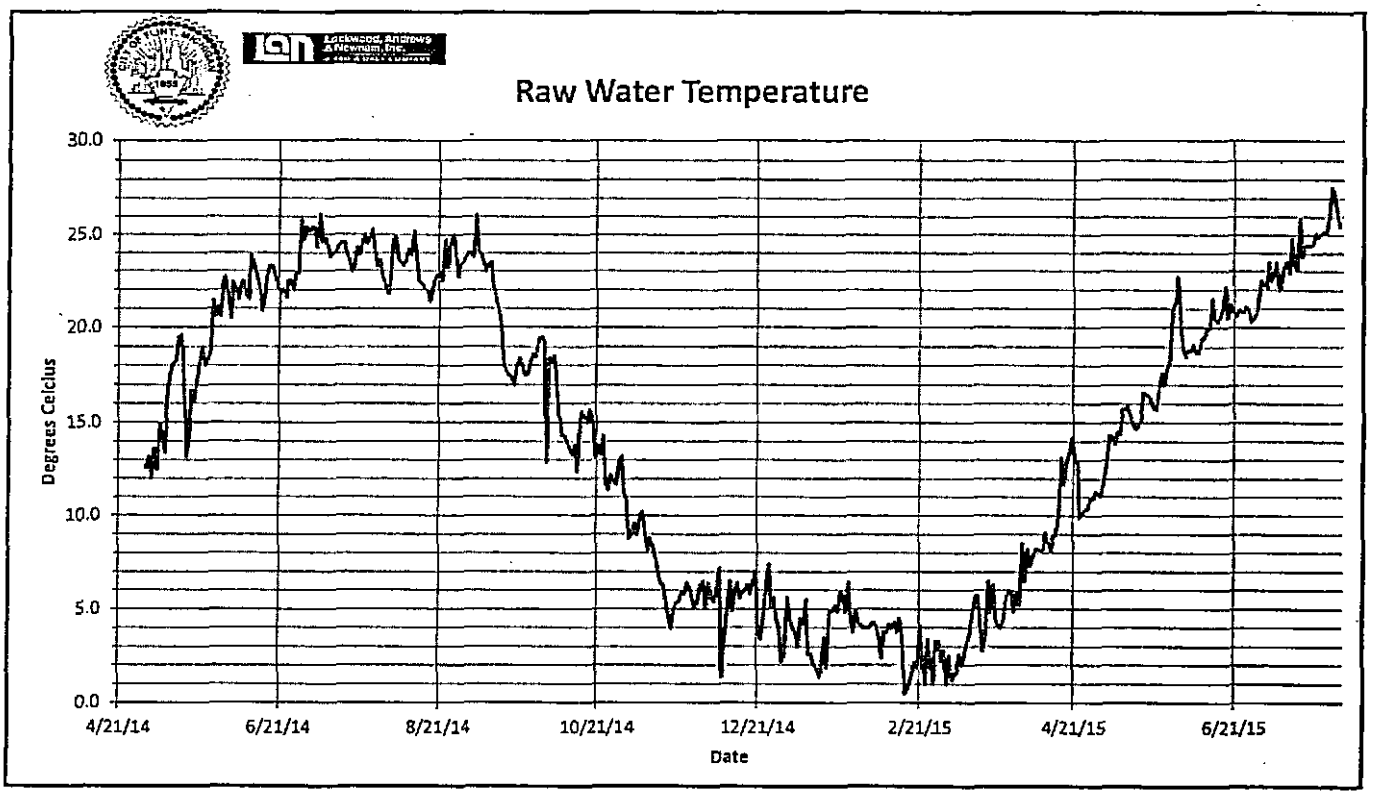
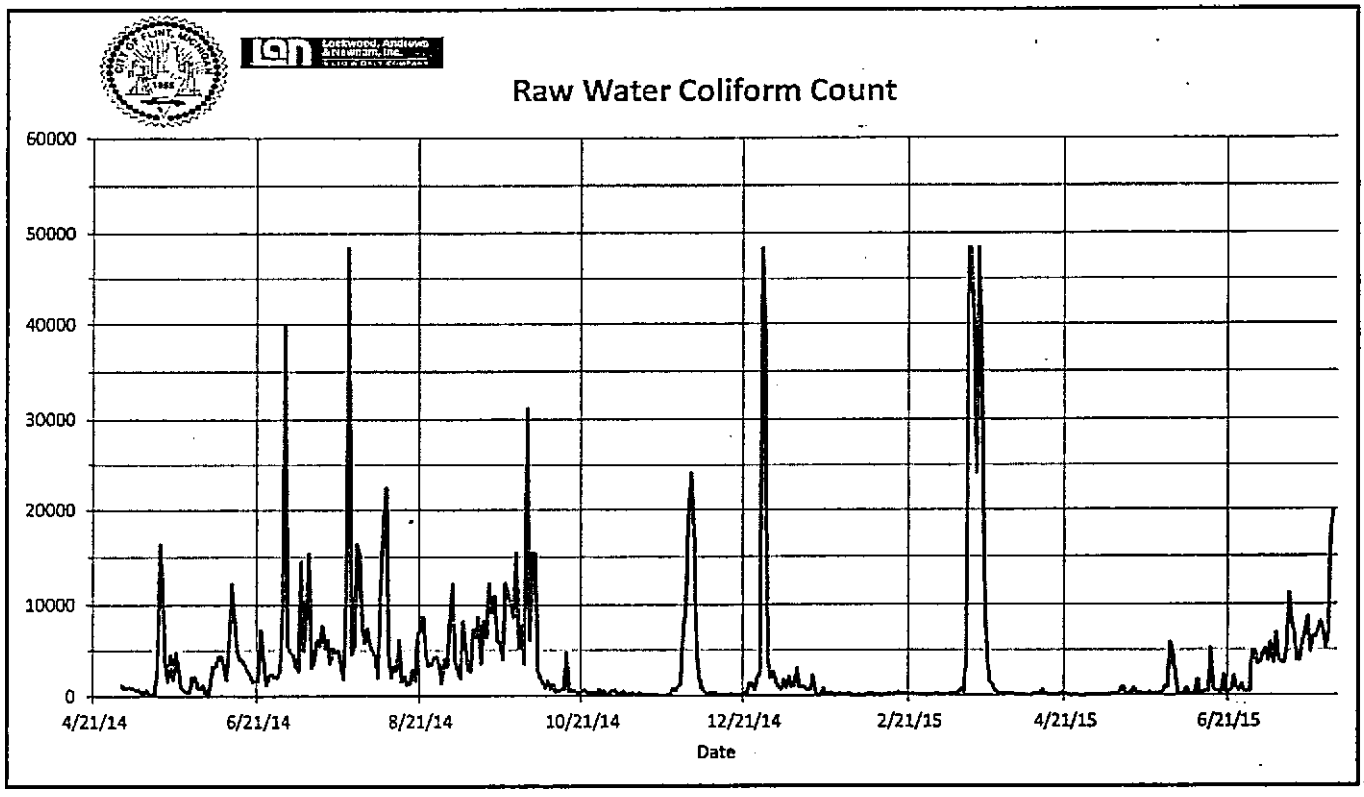
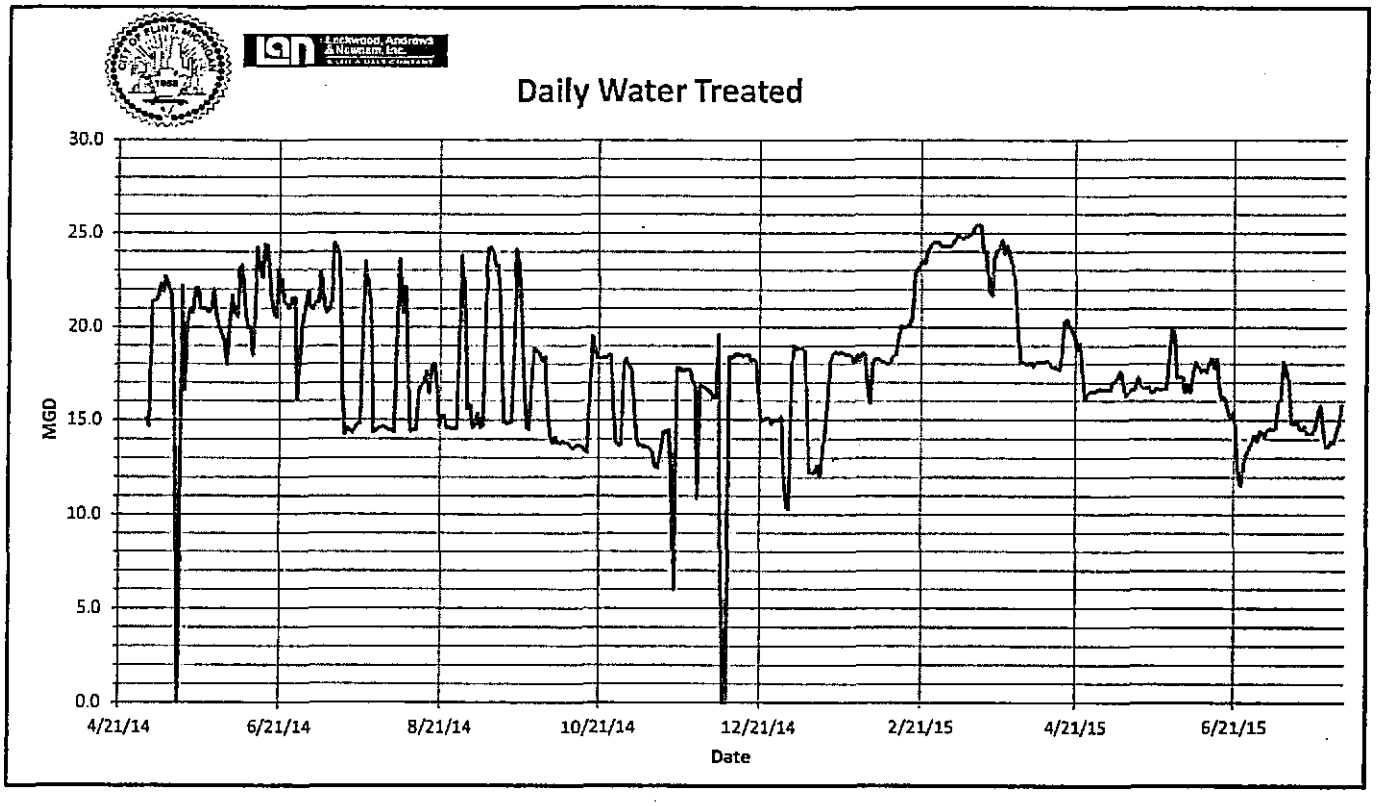

Chlorine Feed
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Mg/l
4/21/14
6/21/14
8/21/14
10/21/14
12/21/14
2/21/15
4/21/15
6/21/15
Date


Ferric Chloride Dosage
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Mg/l Fe3+
4/21/14
6/21/14
8/21/14
10/21/14
12/21/14
2/21/15
4/21/15
6/21/15
Date


Raw Water Temperature
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Degrees Celcius
4/21/14
6/21/14
8/21/14
10/21/14
12/21/14
2/21/15
4/21/15
6/21/15
Date


Raw Water Coliform Count
60000
50000
40000
30000
20000
10000
0
4/21/14
6/21/14
8/21/14
10/21/14
12/21/14
2/21/15
4/21/15
6/21/15
Date


Daily Water Treated
MGD
30.0
25.0
20.0
15.0
10.0
5.0
0.0
4/21/14
6/21/14
8/21/14
10/21/14
12/21/14
2/21/15
4/21/15
6/21/15
Date

Operational Evaluation Report
Trihalomethane Formation Concern

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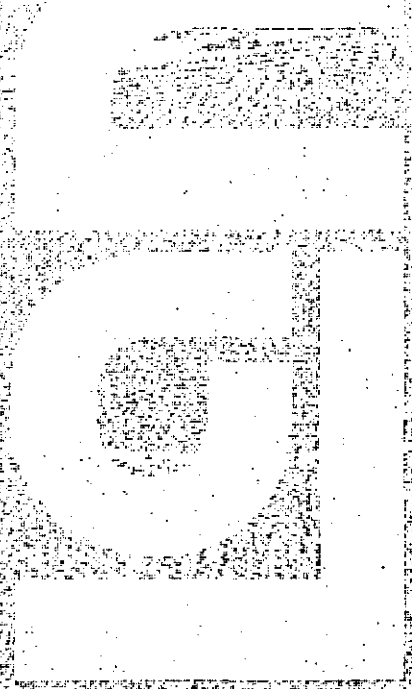

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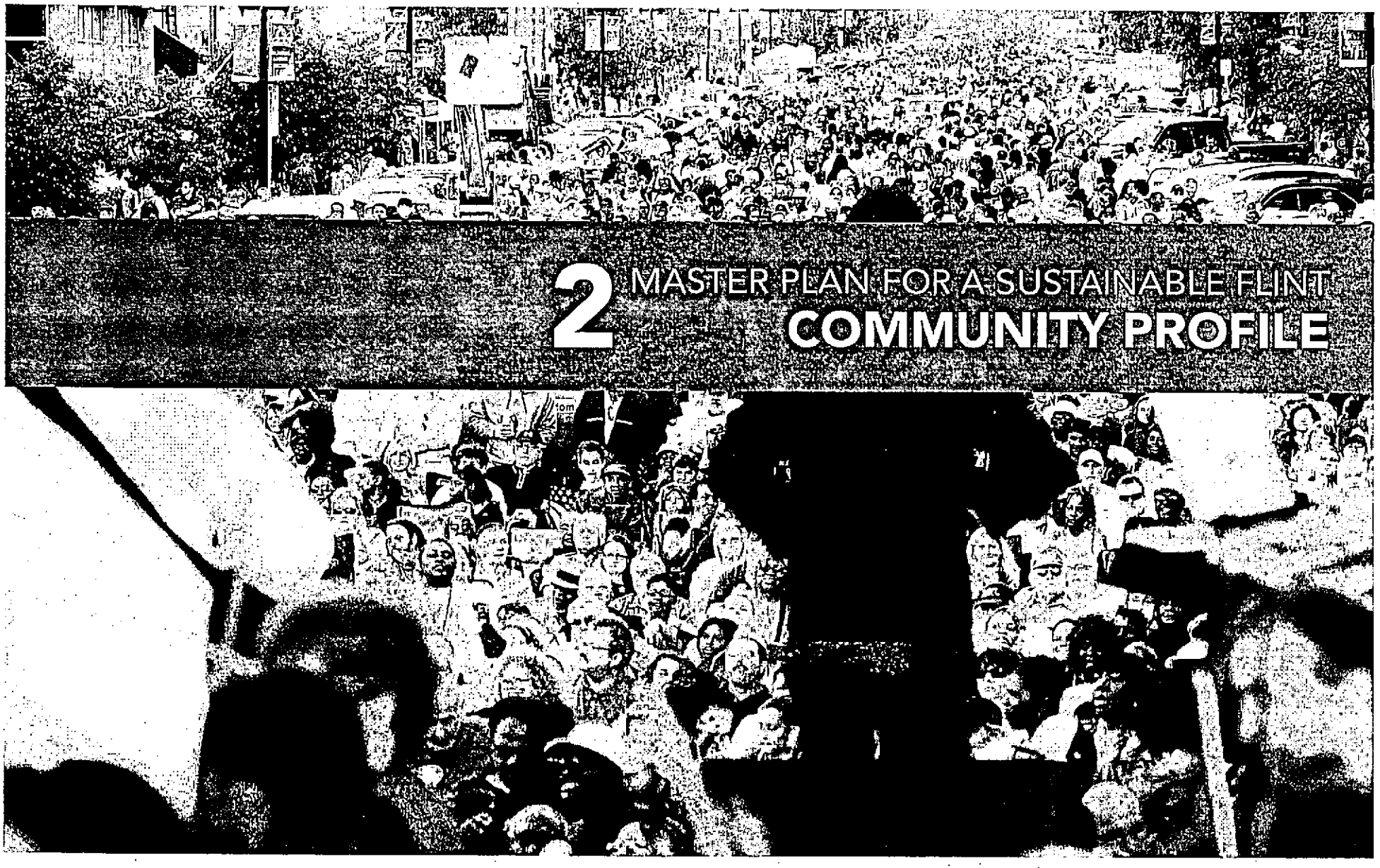

2 COMMUNITY PROFILE

MASTER PLAN FOR A SUSTAINABLE FLINT

COMMUNITY PROFILE

Incorporated in 1836, the City of Flint, as of the 2010 census, is the seventh largest City in Michigan, with a population of 102,434 and an estimated population of 100,515 in 2012. As the seat of Genesee County in mid-Michigan, Flint is located roughly 50 miles from Lansing and 70 miles from downtown Detroit. Three interstates, I-69, I-75, and I-475, intersect in Flint, placing Flint at a major crossroads in the State of Michigan and directly linking the City to an international border with America's largest trading partner, Canada. These important roadways combine with two major rail corridors and the Bishop International Airport to make Flint an important regional transportation hub.

The City is also bisected by the Flint River, a tributary of the Saginaw River, which eventually flows into the Saginaw Bay of Lake Huron. Despite a significant downturn in auto-industry employment, Flint remains an established manufacturing center in Michigan alongside the "Tri-Cities" of Saginaw, Bay City, and Midland. Today, Flint is the largest employment hub in the Genesee County region and is home to four colleges and universities including Kettering University, the University of Michigan-Flint, Mott Community College, and Baker College. Flint is also at the center of a growing health sector anchored by Hurley Medical Center, McLaren Regional Medical Center, Genesys Regional Medical Center and Diplomat Pharmacy.

COMMUNITY HISTORY

The Canadian fur trader Jacob Smith founded Flint in 1819. Attracted to the shallowest crossing point in the Flint River, Smith built a trading post at this "grand traverse," which is now present-day Water Street. Smith's trading post capitalized on a key passageway between Detroit and other parts of the state.

Native American Heritage

Smith was not Flint's first resident, however. For generations, Native Americans such as the Sauks, Ottawas, and Chippewas occupied areas in and around present-day Flint. At the time of Smith's arrival, there was a Chippewa village northwest of Flint near Montrose. There was also a gathering place in Flint called "Muscatawingh," meaning "open plain burnt over."

A great council in Saginaw, between the Chippewa and the territorial governor, General Lewis Cass, led to the sale of six million acres, including present-day Flint, to the U.S. government and settlers in 1819. Over the next few decades, pioneers from the east, aided by the completion of the Erie Canal and the promise of ample land, moved to the "Flint River Settlement" to farm, hunt, and trade.

The area continued to experience growth, and by 1855 was home to around 2,000 residents. That same year, the settlement was formally incorporated by the State of Michigan and officially named Flint, likely after the Native American name for the Flint River which translated into "river of flints." Shortly after its incorporation, residents elected the City's first mayor and council, and established a fire and police department.

Lumbering

In addition to its strategic position in the fur-trade, Flint's expansive and dense forests made it an attractive location for lumbering. Sawmills quickly sprouted up as Flint became a lumbering boom town. Henry Crapo's sawmill, for example, employed sixty people and cut twelve million feet of lumber, annually. By 1870, Flint was home to more than 5,000 residents, 100 stores, 18 lumber dealers, and 11 sawmills. Lumbering created a cadre of expert carpenters in home construction, cabinet making, and other key wood industries which stimulated economic growth for the City.

Since Flint's lumbering was a local enterprise, profits for the most part remained in the community and were available for reinvestment and development in other technologies, including carriage making.

Carriage Manufacturing

In 1869, the first of Flint's "Big Three" carriage companies was founded by the Patterson brothers, William and A.B. By 1901, the Pattersons employed 350 people and built 23,000 vehicles annually. The second, Flint Wagon Works, transitioned directly from lumbering operations to large scale carriage construction. Most famously, William Crapo Durant ("Billy") and J. Dallas Dort founded the third in 1886 in what would become the Durant-Dort Carriage Company, a global leader in carriage production and the foundation for General Motors.

Flint's entrepreneurs recognized a pent-up nationwide consumer demand for a new mode of transportation – farmers required wagons to move and sell their crops, businesses needed vehicles to transport wares, and families sought travel into and around town. With the availability of lumber dwindling, the local economy reinvented itself through carriage manufacturing.

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At the dawn of the twentieth century, 13,103 residents called Flint home, and its companies manufactured more than 150,000 wagons annually.

Rise of the Auto Industry

The carriage business created an entrepreneurial scene in Flint akin to Silicon Valley and planted the seeds for Flint's transition to the "horseless carriage," or automobile industry. In 1900, the first automobile built in Flint, Charles Wisner's "buzz wagon," debuted before 10,000 spectators at the Flint Labor Day parade. Just two years later, A.B.C. Hardy manufactured the City's first fleet of autos, producing the $750 to $850 Flint Roadster. However, it was not until 1903, when the Flint Wagon Works bought the Buick Motor Company, that the Flint Journal declared that "a splendid new manufacturing industry is now assured for Flint." Billy Durant was brought onboard at Buick in 1904 and quickly persuaded Charles Stewart Mott's axle company to relocate from New York to Flint. In 1908, Durant founded General Motors (GM) and purchased Buick and Oldsmobile. Within the next several years, Durant purchased dozens more companies such as Chevrolet, Cadillac, Oakland (precursor to Pontiac), and AC Spark Plug and reorganized them under the GM umbrella. Flint made its last carriage in 1917 and by 1927 Buick was producing 240,000 cars annually.

Population Boom

Flint's population, wealth, and diversity rose steadily with the burgeoning automobile industry. In 1900, Flint's population was only 13,000, but by 1910, it skyrocketed to 38,500; 91,600 in 1920; and a remarkable 156,500 in 1930. Immigrants and southern blacks were larger drivers of these numbers, flocking to Flint to work in its factories. The list of Flint congregations from the time period illustrates the City's diversity.

The City also saw a building boom in the 1920s, with rapid construction of some of Flint's most famous structures: Central High School, Durant Hotel, Capitol Theatre, the Civic Park neighborhood, and the Mott Foundation Building.

Labor Rights

The course of American history was forever changed when striking auto workers in Flint redefined the relationship between workers and management. Starting in December 1936, thousands of General Motors factory employees enacted a "sit-down strike," refusing to work until employee demands were met by management. In February 1937, the strike ended when GM recognized the United Auto Workers (UAW) and gave workers a raise. This "strike heard around the world" gave birth to America's middle class by ensuring living wages and a safe working environment for factory workers around the country.

WWII & The Golden Era

When World War II broke out a few years later, Flint was uniquely situated to aid the war effort given its extensive manufacturing infrastructure. All of GM's factories converted to producing war machinery, making airplane parts, tanks, machine guns, and the Hellcat (a 19-ton tank destroyer). The City's involvement in the war effort extended beyond manufacturing. Nearly 28,000 men and women from Genesee County served in the war, of which nearly three thousand were killed or wounded.

Following the war, the 1950s marked the "golden era" for Flint. The City's civic leaders constructed the University of Michigan-Flint, new libraries, a planetarium, and the College Cultural Center. General Motors produced its 50 millionth car in 1954 and employed more than 80,000 while Buick recorded record sales.

The City added more than 33,000 new residents in this decade and its per-capita income rose to one of the highest in the nation.

Segregation & Race Relations

As the City's population grew, Flint also faced complicated race relations. Between 1940 and 1955, Flint's African American population tripled, due to southern migration to the City's factories. However, restrictive covenants, mortgage redlining, and social norms limited where African Americans could live and work. Flint may not have had the violent racial animosity of the Deep South, but a survey published in 1951 ranked Flint the third most segregated city in the country and the Ku Klux Klan paraded through the downtown.

While Flint residents mostly maintained economic security in the 1960s, the decade brought shifts in the City's politics, population, and economic base. In 1966, Floyd McCree became the first black mayor and one year later, progressive Flint voters passed the nation's first open housing ordinance. However, it did not lead to integrated neighborhoods, as intended. Instead, whites with new economic mobility began moving in droves out to suburbs such as Davison, Flushing, and Grand Blanc.

This flight was compounded by ongoing structural changes at GM that hurt the local workforce. New technology allowed GM to automate many jobs previously held by residents, while profit motives relocated many northern factories to lower-wage, non-union, southern states. By the 1980 census, the City had lost more than 35,000 residents from its peak of 196,940 in 1960.

Flint's urban renewal plans also complicated race relations. The City's 1960 Master Plan called for the demolition of the St. John's neighborhood, a predominantly poor and blighted African American neighborhood, to make way for I-475 and industrial expansion of Buick City. In 1972, demolition began with the promise of relocating residents to better, safer, and integrated housing. Unfortunately, that did not materialize. The neighborhood was razed, and black residents were relocated along racial lines.

Economic Decline

Factory closures, suburbanization, and sprawl combined with federal disinvestment created a perfect storm of blight, poverty, and high crime in Flint, during the final decades of the twentieth century. Historically a "one company town" with little economic diversity, Flint's challenges were significantly greater than most other post-industrial cities. Efforts to stem the tide with capital projects such as Auto World, Buick City, the I-475 highway expansion, a new down-town hotel, and a riverfront shopping mall, failed to materialize into any meaningful economic gain for the City. While area non-profit organizations, foundations, and everyday citizens came together at unprecedented levels, the economic storm was difficult for many to weather.

Flint in the 21st Century

The early twenty-first century has also not been easy. Two recessions, lower property tax revenues, and a decline in State revenue sharing, translated into an unprecedented shrinkage of City services. To help the City through this tough period, the State appointed an Emergency Manager in 2011 with special powers that supersede those of the City Council and Mayor. At the same time, Flint is seeing revitalization in the downtown, pockets of neighborhood investment, and expansion of its institutional corridors, including economic growth in the education and medical sectors.

DEMOGRAPHIC & MARKET OVERVIEW

An analysis of the City's demographic and market trends provides a firm understanding of existing conditions within the Flint community and informs land use and development decision-making. The analysis begins with a demographic overview of recent trends in population, households, income, age, racial and ethnic composition, and labor force and employment. This is followed by an assessment of Flint's position within the residential and commercial markets.

Data Sources

Numerous demographic and economic studies have been conducted within Flint and Genesee County in recent years. Where appropriate, data and observations provided by those various reports, has been incorporated into this market analysis. Some of the data referenced in those reports, has also been updated to provide the most accurate representation of Flint's position when the Existing Conditions Report was drafted in Fall 2012.

At the time of analysis, data from the 2010 US Census as well as the 2011 American Community Survey represented the most accurate snapshot of Flint's population. These data sources were contrasted with data from the 2000 Census to document demographic shifts and market trends within the community. Additional market data regarding housing, income and retail demand were also obtained from other U.S. Census Bureau sources and ESRI Business Analyst, a nationally recognized provider of market and demographic data.

Summary

Key points of the demographic and market analysis are listed below, including an examination of the City of Flint independently as well as in comparison to the larger Genesee County area:

- The Average household income in Flint is two-thirds lower than that of the County
- At $33,029, average household incomes in Flint are $20,000 lower than that of the County ($53,415), and more than $35,000 lower than the national average of $69,821
- The Flint African American population represents one quarter of the County population, but two-thirds of the County's total black population. African Americans make up 56% of Flint's population
- Nearly half of Flint residents are renters
- The City's population rapidly declined from 193,317 in 1970 to 102,434 in 2010, while the County's total population stayed relatively stable
- The City is continuing to lose population, albeit at a slower rate than in the past
- The population is getting older, with an increase of 35% in the 55 to 64 year old age cohort
- Economic development opportunities are enhanced by a growing student population and business activities
- The City lost nearly 23,000 jobs between 2002 and 2010; however, the City is still responsible for one-third of total employment within the County
- The City is projected to experience modest job growth through 2018
- At 25.6%, the 2011 Flint unemployment rate is 56% higher than that of the County (16.4%)
- There are some data indicating potential for additional retail development in multiple locations
- Some neighborhoods are underserved by grocery stores

Demographic Overview

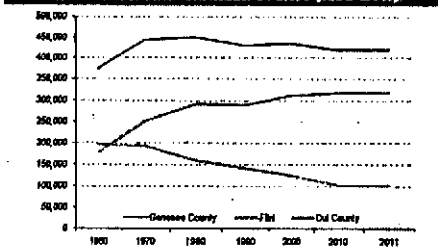
Since Flint's previous master plan in 1960, the City's population declined by 48%. This significant decrease in population translates into a loss of $1,777 in City revenue per resident and a total loss of $9.4 million between 2006 and 2011. Additionally, the City still maintains the same amount of infrastructure that previously served a population double the size. It has struggled with preserving population density and a high-quality of life. With future projections showing a continued decline of 20,000 people over the next decade, the Master Plan outlines innovative methods to retain population and work towards stabilizing the residential population, strengthening vital City services, and promoting more sustainable, safer neighborhoods.

Demographic Summary – City of Flint – 2000 & 2010

	2000	2010	Total Change 2000 to 2010
Population	124,943	102,434	-22,509 (-18.0%)
Households	48,744	40,472	-8,272 (-17.0%)
Median Age	30.9	33.7	2.8 (9.1%)
Average Household Size	2.51	2.45	-0.1 (-2.4%)
Median Household Income	$28,121	$22,672	-$5,449 (-19.4%)
Average Household Income	$39,621	$30,826	-$8,795 (-22.2%)

Source: US Census, American Community Survey

Population Change
CITY OF FLINT AND GENESEE COUNTY (1960-2011)



Source: US Census, American Community Survey

Population Change

The Population Change graph compares changes in population and number of households within the City of Flint between 2000, 2010, and 2011. Population is defined as the overall number of people within a specified geography. A household is defined as the group of individuals who live in the same dwelling unit. Household by age is based on the age of the individual considered head of household. Overall, the number of households and total population have decreased within Flint, while the typical household has grown older and decreased in size.

Flint continues to get smaller. The City of Flint experienced a decline of 22,509 individuals (-18%) between 2000 and 2010. The trend of decline continued between 2010 and 2011, with a decrease of 866 individuals (-0.8%).

Flint is growing older, but remains younger than average. The City's median age surpassed 34 years in 2011, representing an increase of more than 3 years (10%) since 2000. This means that half of the people living in Flint are over the age of 34. This is still younger than the median age of Michigan and the Nation, which are 39.2 and 37.3 respectively.

Flint households are earning more. After declining by 19% between 2000 and 2010, it is estimated that median household incomes rose by $1,158 (5.1%) in 2011, indicating that Flint may be rebounding from the recession. While this may be a positive sign, Flint families are still earning significantly less than they were in the past.

Population Projections

While Flint's population has declined by half since 1960, the population of Genesee County has remained relatively stable, suggesting a population transfer to the suburbs. Between 2000 and 2011, the City lost more than 23,000 people, but the total County population declined by only 14,000. As such, population loss within the City of Flint accounted for approximately 166% of total population loss within the County and the proportion of Flint residents within Genesee County decreased by 16% over the same time period.

Population loss will continue into the near future. Genesee County is projected to lose population through the year 2020, decreasing by more than 12,000 between 2010 and 2020. Assuming a similar ratio of population loss within the City and population gain within other areas of the county, it is projected that the City will lose approximately 20,000 individuals between 2010 and 2020. Conversely, those areas of Genesee County outside of Flint, will grow by a projected 8,000 over the same period.

Population Change
CITY OF FLINT & GENESEE COUNTY - 2000-2010

	Population		Change	
	2000	2010	Number	Percent
City of Flint	124,943	102,434	-22,509	-18.0%
Genesee County	436,141	425,790	-10,351	-2.4%
Flint % of County Population	28.6%	24.1%		-16.0%

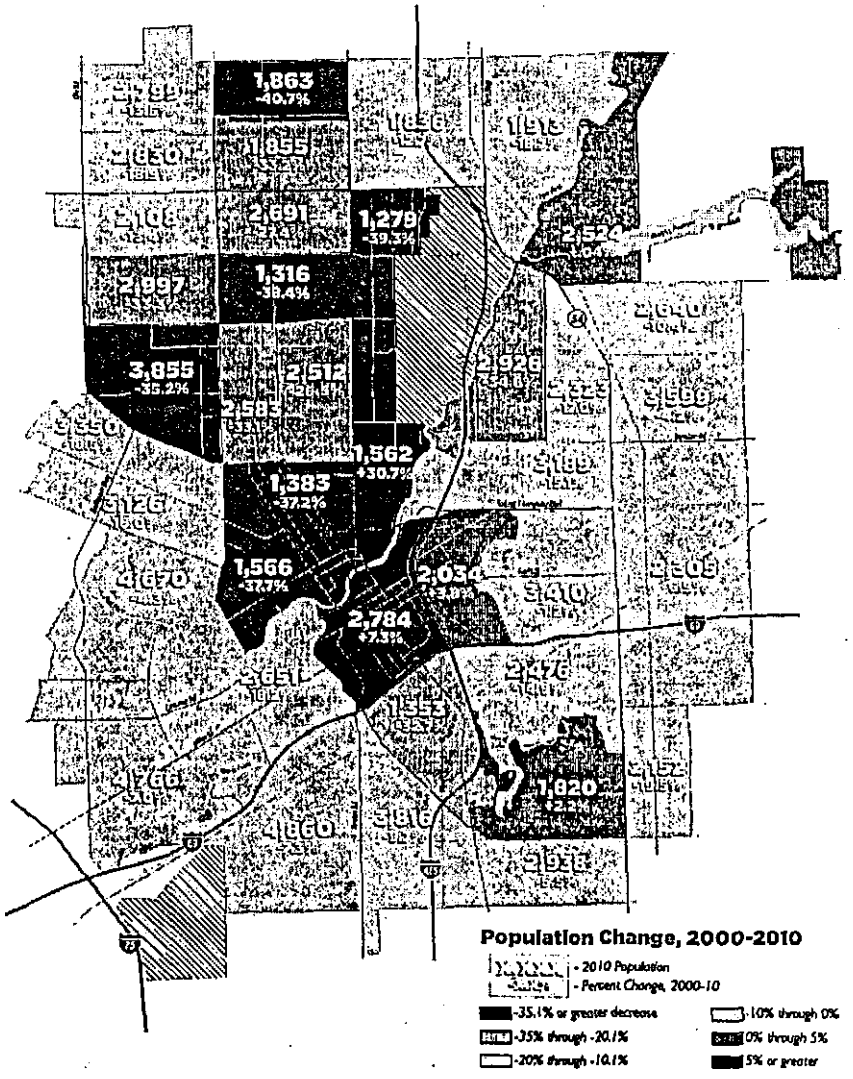
Source: US Census, American Community Survey

Population Projections
GENESEE COUNTY (2010 - 2020)

		2010*	2015	2020
Population		431,100	425,300	419,000
Change From 2010	Number		-5,800	-12,100
	Percent		-1.3%	-2.8%

** 2010 Census total population was 425,790*

Source: Michigan State Budget Office



Population Change within the City

Population Density

Flint's population is not as dense as other communities. As shown in the following table, Flint's population density is lower than that of other peer-cities in Michigan, and significantly lower than its peak density in 1960 (5782 people per square mile). Flint, Ann Arbor, Grand Rapids and Lansing are the largest cities outside of the Detroit Metro area, each with a 2010 population of 100,000 or more. Flint is the least dense of these four cities. Between 2000 and 2010, population density of Flint dropped from more than 3,700 people per square mile to less than 3,100 people per square mile, representing a decrease of 17.5%. This is slightly less than the total loss in population of 18% that the City experienced over the same period.

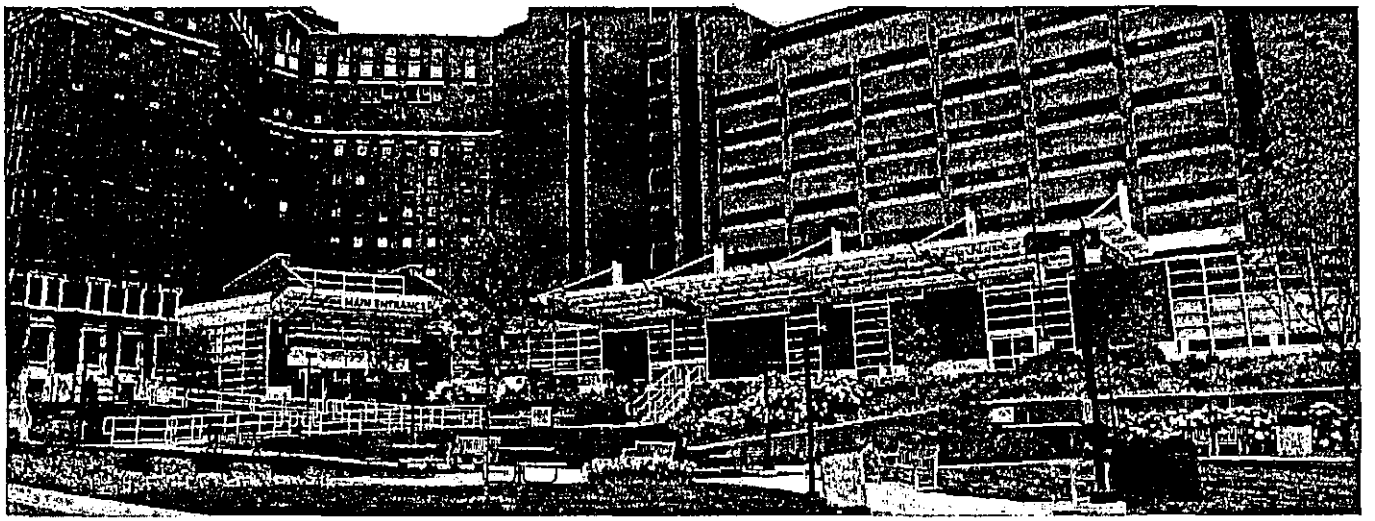
Population Distribution

Population change varies by neighborhood. As highlighted by Census tracts shown in shades of orange, between 2000 and 2010, population loss within Flint was concentrated within areas north of the Flint River. These areas primarily consist of single family residential neighborhoods with limited commercial or employment-related uses.

Population Density
FLINT AND PEER COMMUNITIES (2000 & 2010)

			Total Change	
Population	2000	2010	Number	Percent
City of Flint	124,943	102,434	22,509	-18.0%
City of Ann Arbor	114,024	113,934	90	-0.1%
City of Grand Rapids	197,800	188,040	9,760	-4.9%
City of Lansing	114,321	109,563	4,758	-4.2%
Population Density (per sq. mi.)	2000	2010	Number	Percent
City of Flint	3,714.9	3,065.1	649.5	-17.5%
City of Ann Arbor	4,221.1	4,094.0	127.1	-3.0%
City of Grand Rapids	4,431.2	4,235.6	195.6	-4.4%
City of Lansing	3,366.7	3,303.2	63.5	-1.9%
Land Area (sq. mi.)	2000	2010	Number	Percent
City of Flint	33.6	33.4	0.2	-0.6%
City of Ann Arbor	27.0	27.8	-0.8	3.0%
City of Grand Rapids	44.6	44.4	0.1	-0.5%
City of Lansing	34.0	33.2	0.8	-2.3%

Source: US Census, American Community Survey



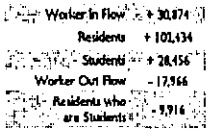
Daytime Population

Flint is a regional employment hub, not a bedroom community. Unlike many communities in the region, Flint's daytime population is larger than its resident population. While there is no doubt that the City of Flint has lost numerous businesses over the last several decades, Flint remains a large employer within mid-Michigan and serves as a regional hub for employment and education. The number of people commuting to Flint for work is nearly double the number of Flint residents leaving the community for work on a daily basis. Nearly 30,000 students are also enrolled at Flint's four major college and universities (Baker College, Mott Community College, Kettering University, and University of Michigan-Flint).

Flint's retail demand goes beyond demand from residents. When non-resident employees and students are combined with residents living and working in Flint, the City's daytime population is conservatively estimated at nearly 134,000. This population has a significant influence on demand for retail goods and services *throughout the community.* More in-depth discussion of the impact of the daytime population can be found in *Chapter 9: Economic Development and Education.*

Flint's institutions generate significant demand. Mott Community College, University of Michigan-Flint, Hurley Medical Center, McLaren Regional Medical Center and Genesys employ a combined 8,500 people. These institutions contribute significantly to the City's daytime population and may represent an underutilized source of potential demand for goods and services.

Daytime Population
CITY OF FLINT (2010)



Total Daytime Population 133,882

Source: US Census (2010), OnTheMap Application, Genesee Regional Chamber of Commerce

Race & Ethnicity

The following charts illustrate the estimated 2000 and 2011 racial and ethnic composition of the City of Flint (as defined by the US Census).

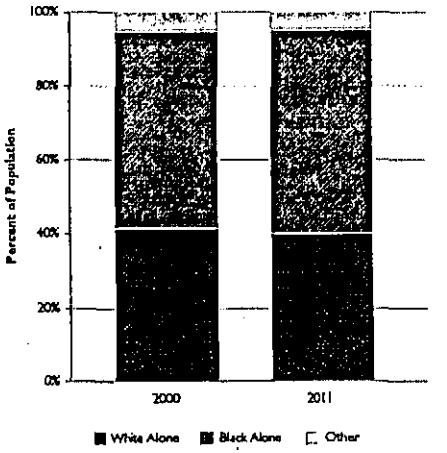
Flint remains a predominantly Black community. In 2011, it is estimated that 55.2% of the City's population is considered Black. While the Black population of Flint decreased by 10,542 between 2000 and 2011, this group has maintained a steady proportion of Flint's total population.

Flint's White Alone population has maintained a steady portion of the community. Between 2000 and 2011, Flint's White population decreased by 21.8%, making up 39.8% of the City's 2011 population. As with the Black population, despite decreases in population, Flint's White population has maintained a steady proportion of the *City's total population.*

Flint's non-Black and non-White racial groups are small, according to the US Census. There were an estimated 1,071 American Indian and Alaska Native individuals in Flint in 2011, making up 1.1% of the population. No other racial group made up more than 1% of Flint's 2011 population.

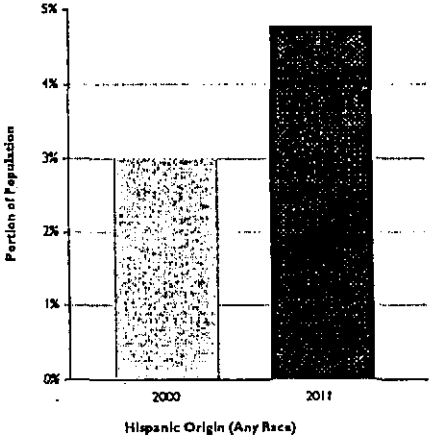
Flint's Hispanic population is growing. The most significant increase among any racial or ethnic group is projected to occur in the Hispanic population, which had an estimated 4,034 individuals in 2011. Flint's Hispanic and Latino population grew by 29.1% over 11 years to make up 4.8% of the City's 2011 population.

Racial Composition
CITY OF FLINT (2000, 2011)



Source: US Census, American Community Survey

Hispanic Population
CITY OF FLINT (2000, 2011)



Source: US Census, American Community Survey

Age Profile

The following chart compares 2011 population estimates by age group for the City of Flint, State of Michigan, and the United States. The City of Flint has a proportionately smaller number of youth and young adults, while its middle-aged and senior populations are proportionately larger.

Flint has a smaller youth population than the national average. Residents under the age of 20 made up 27% of Flint's 2011 population. This is on par with the State of Michigan (26%), but lower than the national rate of 30%.

Flint has a typically-sized young adult population. In 2011, the proportion of Flint residents aged 20 to 34 was 20.4%, compared to 18.9% in the State of Michigan and 21.2% in the United States.

Flint has a larger middle-aged population than the national average. Residents aged 35 to 54 made up 27.4% of Flint's 2011 population. This is on par with the State of Michigan (27.6%) as a whole, but 2% larger than that of the United States (25.2%)

Flint has a larger senior population than the national average. In 2011, 25.4% of Flint residents were aged 55 or over. By comparison, this age group made up 27.3% of the Michigan population and 23.8% of the nation.

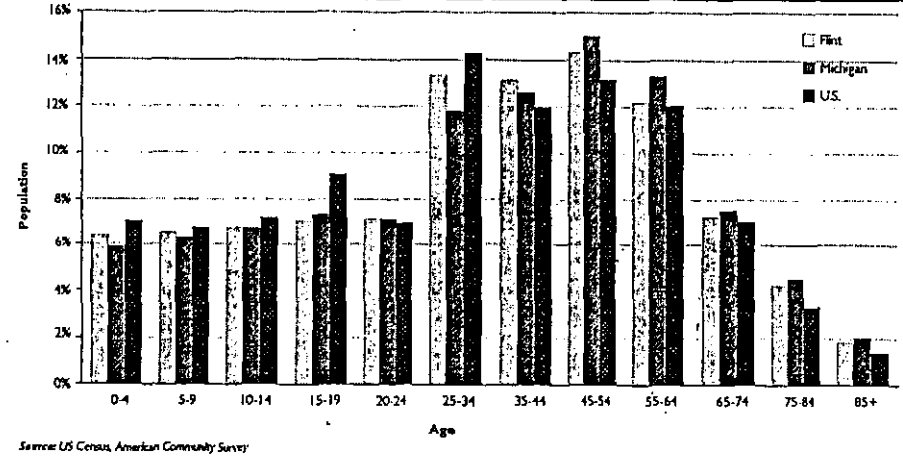
Population Change by Age

Flint is growing older, faster. The following chart shows population change by age cohort between 2000 and 2011. Between 2000 and 2011, the median age of a resident of the City of Flint increased by three years, from 30.9 to 34.2. By comparison, the national median age increased by two years, increasing from 35.3 in 2000 to 37.3 in 2011. The median age in Flint is increasing at a faster pace than that of the nation due to a combination of factors.

The number of residents aged 55 and over grew by nearly 2,000 individuals, an increase of 8.9%, between 2000 and 2011. Over this period, the only age group to experience significant growth were those aged 55 to 64, which increased by 3,164 individuals (+34.9%).

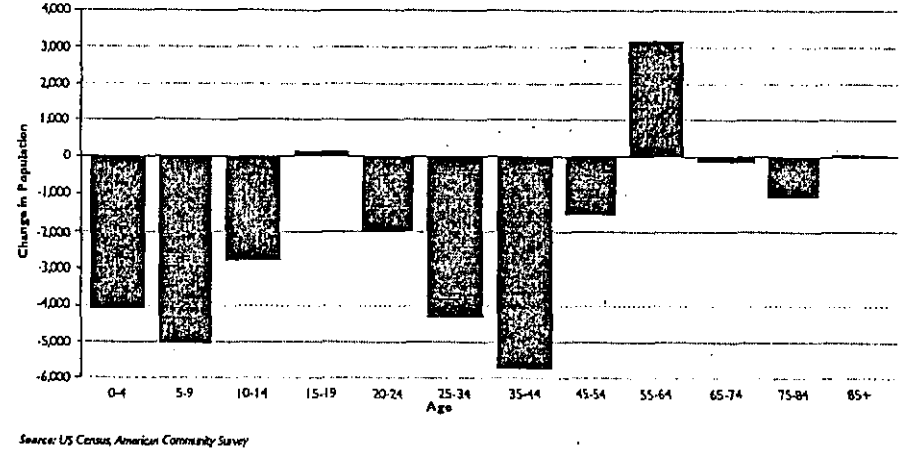
Flint's younger and middle-aged populations are getting smaller. Flint's population under the age of 25 decreased by 13,776 between 2000 and 2011, a drop of 27%. Over the same period, the number of Flint residents aged 25 to 54 decreased by 11,576 individuals (-22.4%).

Population by Age
CITY OF FLINT, MICHIGAN & U.S. (2011)



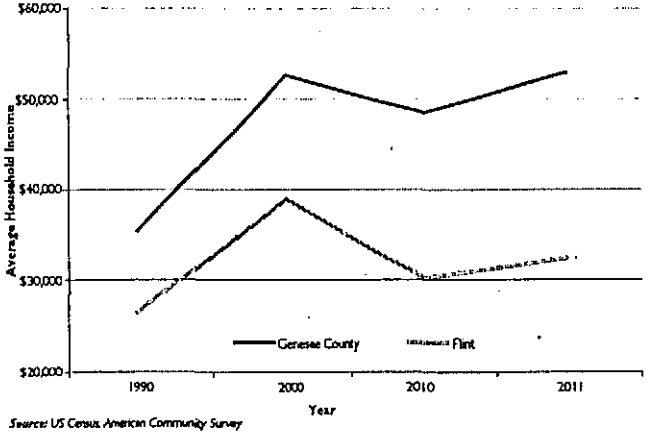
Source: US Census, American Community Survey

Change in Population by Age
CITY OF FLINT (2000-2011)



Source: US Census, American Community Survey

Change in Average Household Income
CITY OF FLINT AND GENESEE COUNTY (1990-2011)



Source: US Census, American Community Survey

Household Structure

Household makeup is changing. The following table highlights the link between a shifting age profile and household structure. As noted in the Flint & Genesee County Comprehensive Economic Development Strategy (CEDS), Flint and Genesee County are experiencing the impacts of changes to household structure caused by an aging Baby Boom population. The proportion of two-parent households with children decreased between 1990 and 2010, while the proportion of non-married couples without children and persons living alone, increased. Persons living alone made up nearly one-third of all households in Genesee County in 2010.

Household Income

The following charts present change in household income between 1990, 2000, 2010, and 2011. Between 2000 and 2010 the median household income in Flint decreased by 19% while the average household income decreased by 22%. Although it was only one year, an increase in median income among Flint households between 2010 and 2011 is encouraging. This shift in median household income is largely the result of recent increases among middle income households.

Flint incomes may be growing. Between 2010 and 2011, the average income among Flint households increased by 7.1% to $33,029 in 2011. By comparison, the median household income for the State of Michigan increased by just 3.6% over the same period.

Flint is gaining more middle income households. After decreasing by 47% between 2000 and 2010, the number of households earning between $50,000 and $100,000, within Flint, grew by 1,563 (28%) between 2010 and 2011.

Flint household income lags behind Genesee County. The average income for a Flint household was $33,029 in 2011, while the average household income in Genesee County was $53,415. Moreover, while Genesee County household income is estimated to be slightly higher than in 2000, the average household income in Flint is still approximately 16% lower than in 2000.

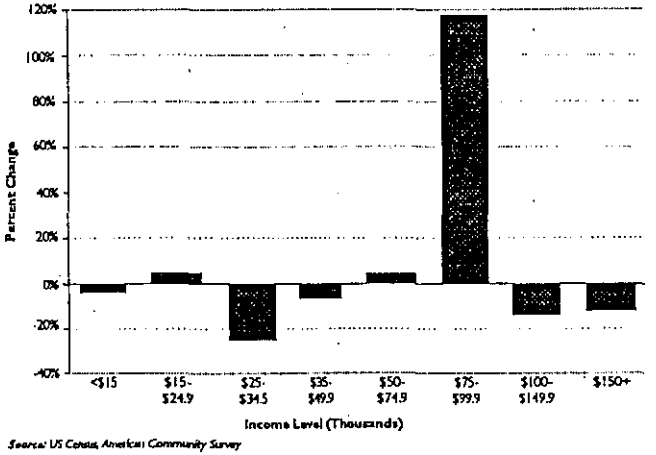
Changes in Household Structure
GENESEE COUNTY & U.S. (1990 & 2010*)

	Genesee County		United States	
Families w/ Children	1990	2010	1990	2010
Male Householder	3.9%	3.3%	3.7%	4.6%
Female Householder	12.5%	8.8%	7.6%	6.3%
Married Couple	25.0%	17.2%	26.7%	20.1%
Families w/o Children	1990	2010	1990	2010
Other	5.8%	10.5%	5.7%	8.3%
Married Couple	26.5%	26.9%	28.4%	31.5%
Nonfamily	1990	2010	1990	2010
Other	4.3%	6.2%	5.3%	5.4%
Persons Living Alone	23.9%	29.5%	21.6%	26.8%

* Numbers may not add up to 100% due to rounding error.

Source: Flint and Genesee County Comprehensive Economic Development Strategy (CEDS)

Change in Household Income
CITY OF FLINT (2010-2011)



Source: US Census, American Community Survey

People Below Poverty Level
CITY OF FLINT (2000, 2010, & 2011)

				2000-2010		2010-2011	
Poverty Rate	2000	2010	2011	Change	Percent Change	Change	Percent Change
All People	26.4%	41.2%	40.6%	14.8%	56.1%	-0.6%	-1.5%
Under 18 Years	37.7%	63.1%	59.7%	25.4%	67.4%	-3.4%	-5.4%
18 Years and Over	27.3%	33.1%	33.9%	5.8%	21.2%	0.8%	2.4%

Source: US Census, American Community Survey

Local Employment
Genesee County job growth is positive, but modest. In 2008, Genesee County accounted for approximately 89.1% of jobs within the Flint region (defined by the Michigan Department of Technology as Genesee and Shiawassee Counties). Genesee County could stand to gain an additional 4,375 jobs between 2008 and 2018.

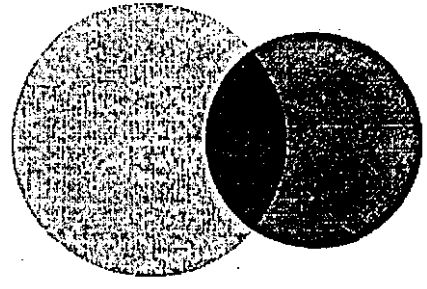
Unemployment
The unemployment rate among Flint individuals aged 16 and older was 27% in 2011. This is 56% higher than that of Genesee County, which is 16.4%. Unemployment in Flint is concentrated among males and young adults. In 2011, more than 46% of Flint's population aged 20 to 24 was employed and nearly one in three Flint men were unemployed.

Poverty Rate
The total poverty rate among Flint residents increased by 15% between 2000 and 2010, growing to 41.2% in 2010. As with household income, data from 2011 indicate that the long-term trend of increasing poverty may be reversing.

More of Flint's youth are living in poverty. The proportion of children under 18 years old living below the poverty level grew from nearly 38% in 2000 to more than 63% in 2010. By comparison, the poverty rate among adults increased by just 6% to 33% in 2010.

Flint's high poverty rate may be trending downward. Data for 2010 and 2011 indicate that the overall poverty rate within Flint decreased by 1.5% to 40.6%. This overall decrease is the result of a 3% drop in the youth poverty rate.

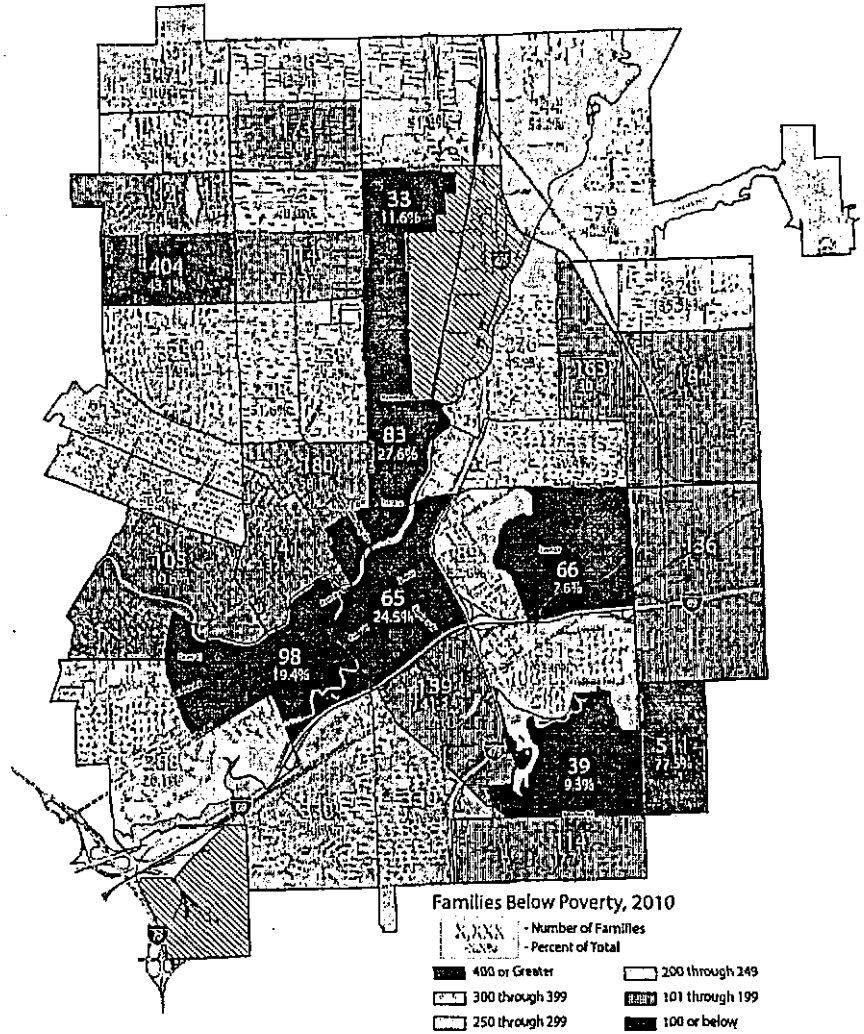
Employment Inflow & Outflow



30,874 people - Work in Flint, but live elsewhere

17,966 people - Live in Flint, but work elsewhere

Source: US Census, American Community Survey



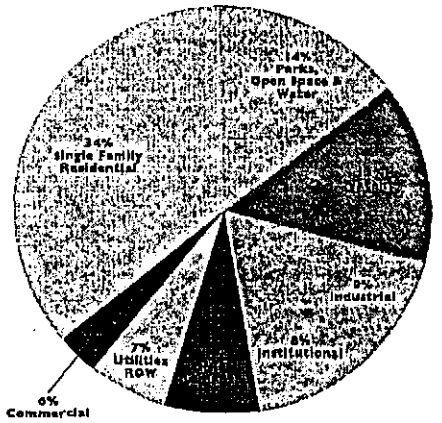
Families Below Poverty, 2010

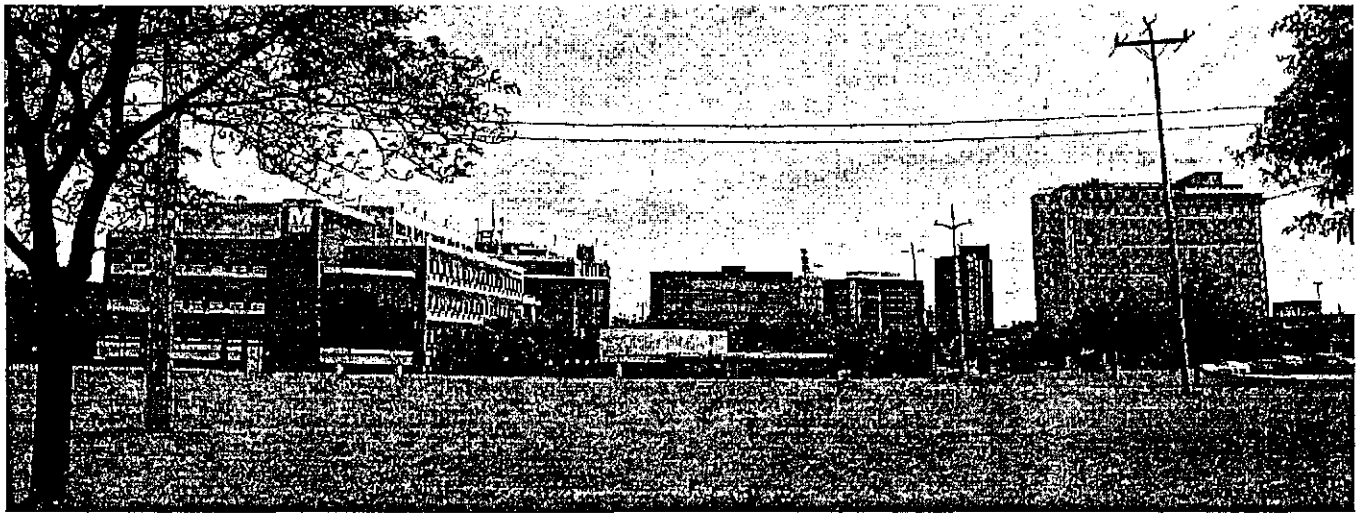
XXXX - Number of Families
XX% - Percent of Total

- 400 or Greater
- 300 through 399
- 250 through 299
- 200 through 249
- 101 through 199
- 100 or below

Source: 2006-2010 American Community Survey 5-Year Estimates

Existing Land Use





MASTER PLAN TOPICS

A detailed existing conditions analysis combined with extensive community outreach, provided an assessment of the challenges facing the Flint community and identified assets the City has upon which to build. This chapter provides an overview of the City's major assets and challenges addressed in other chapters of the Master Plan including: Land Use; Housing and Neighborhoods; Transportation and Mobility; Environmental Features, Open Space, and Parks; Infrastructure and Community Facilities; Economic Development and Education; Public Safety, Health, and Welfare; and Arts and Culture.

Existing Land Use

The Land Use Plan builds upon a firm understanding of Flint's existing land use patterns which will have a significant influence on the City's future growth and development. As illustrated, Flint is made up of a diverse range of land uses that have developed over the City's history. Large areas of the City are single family residential neighborhoods with commercial uses located primarily along the City's arterial corridors and in the Downtown area.

Flint's industrial and employment sector uses continue to concentrate along the City's two primary railroad corridors and along the Flint River. Flint also features a high amount of public and community facilities such as schools, churches, cultural amenities, and also includes a vast network of parks and open space. A primary distinguishing land use characteristic is the high number of vacant parcels that exist throughout the City's residential, industrial, and commercial areas.

Vacant Land

The Master Plan provides the City with a tremendous opportunity to capitalize on the abundance of vacant land to reinvent itself and correct previous planning mistakes. Vacant parcels include a wide array of formerly occupied sites including residential parcels, commercial and industrial sites, and public/semi-public uses currently without structures. Vacant parcels occur in almost all parts of the City, with high-concentration of vacancy in distressed residential neighborhoods and within the larger industrial areas. The abundance of vacant homes is having a negative impact on the sense of community as well as on City resources and infrastructure.

Genesee County Land Bank

In 1999, the Michigan State Legislature created a new, streamlined system for returning tax-reverted properties to productive use. This changed the way foreclosed properties were administered, by giving outright ownership of these properties to the local county treasurer after two and a half years, instead of speculators or slumlords at auction. With this process, Michigan opened the door for Flint to reclaim, reinvest in, and rebuild their neighborhoods through the creation of the Genesee County Land Reutilization Council (LRC). In 2004, after the State of Michigan passed the land bank legislation, the LRC became the Genesee County Land Bank Authority (GCLBA). Today, state governments across the country are approving land bank legislation based on the success of the Genesee County model.

Land Bank Properties

The Genesee County Land Bank uses the new tax law as a constructive community development tool. By avoiding the potential neglect or misuse that comes from selling land at auction to speculators, the County is able to acquire abandoned land through the foreclosure process, and determine the best use of that land in conjunction with the community's long-term vision. The Genesee County Land Bank transfers land to adjacent homeowners, develops long and short-term green spaces, and assembles land for responsible new housing and commercial development. The objective is to restore the integrity of the community by removing dilapidated structures and redeveloping abandoned properties.

As of June 2013, the Genesee County Land Bank owned 8,335 properties within the City of Flint. This represents an estimated 18% of the parcels within the City. The Genesee County Land Banks holdings have increased dramatically since 2003, with most properties concentrated in the north central portion of the community, along the M.L.K. and Saginaw Street corridors. Further discussion of the Land Bank and its programs can be found in *Chapter 5: Housing and Neighborhoods Plan.*

Housing & Neighborhoods

Flint has roughly 12,000 vacant homes and 6,000 houses in poor/substandard condition. The City must find ways to improve the quality of local neighborhoods; however, it is unlikely that the City can demolish all substandard homes given the cost of more than $10,000 a piece.

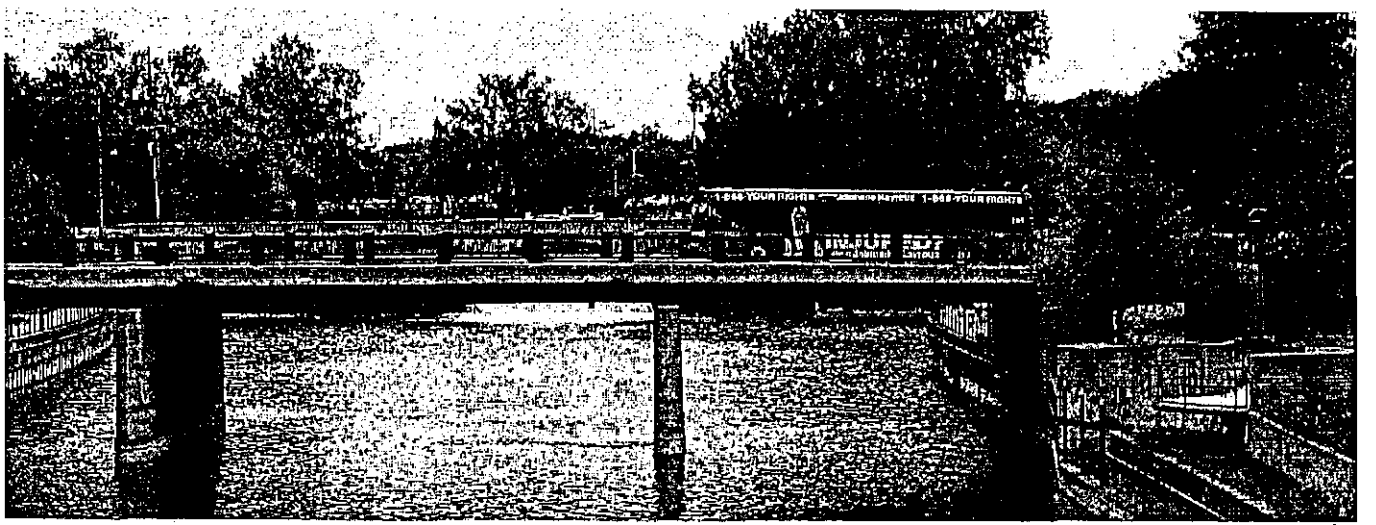
Therefore, the City must partner with local neighborhood groups and block clubs to address neighborhood blight and implement beautification programs. The City must also continue to work hand-in-hand with the Land Bank, which owns an estimated 18% of the parcels within Flint. Only by doing so, can the City identify ways to address the housing needs of a diverse population of home owners and renters, while also actively targeting blight and strategic demolition.

Housing Overview
CITY OF FLINT AND GENESEE COUNTY (2010)

	City of Flint		Genesee County	
Total Units	52,615	100.0%	192,097	100.0%
Occupied	40,827	78.0%	166,539	87.0%
Vacant	11,788	22.0%	25,558	13.0%
Single Family	40,270	77.0%	137,793	72.0%
Multi-Family (more than one unit)*	12,345	23.0%	13,404	28.0%

* Including mobile home units.

Source: American Community Survey; Houseal Lavigne Associates



Challenges

Housing Diversity
- 43% renters, but only 23% multi-family housing

Housing Stock
- 82% of Flint's housing stock was built before 1970
- 14.1% of Flint's parcels contain houses in poor or substandard condition

Vacancy
- 22% of Flint's residential parcels are vacant lots
- There are 5,774 blighted parcels in Flint, and it costs an average of $10,000 to demolish one house structure

Assets

Strong Neighborhoods
- Flint contains many strong and active neighborhoods, with as many as 65 neighborhood organizations identified by the City and 14 having developed neighborhood plans
- A variety of housing styles exist, with 24% of homes dating prior to 1940
- As of June 2013, the Genesee County Land Bank owns over 8,335 properties within Flint, positioning a large number of problematic lots together for system wide solutions
- More than $35 million has been invested in Flint neighborhoods through the Neighborhood Stabilization Program since 2009

Transportation & Mobility

To effectively influence how development will change and locate in the future, the Master Plan establishes a framework for investing in critical transportation infrastructure. The ultimate goal of the transportation and mobility plan is to support multiple types of motorized and non-motorized modes of travel, expand bike lanes, minimize congestion, develop complete streets, increase walkability, and reduce existing hazards. Flint is positioned to be a major asset throughout the region. Located centrally within the I-69 International Trade Corridor, Flint is connected with over 750,000 residents by means of air, water, rail, and roadways encompassing over 2,500 sq. miles of linkage. In addition, with the majority of Flint residents (59%) owning one car or less, accessibility and mobility are also an essential component of the City's transportation network.

Challenges

Poor Connectivity
- Some neighborhoods are isolated and not connected to larger grid system

Equal Access
- MTA provides 500,000 trips per year for people with disabilities
- Flint has 28,000 people with disabilities, of which 15% have mobility issues

Funding & Maintenance
- 26% of Flint's roads received the lowest condition rating requiring structural upgrades

Assets

Bishop International Airport & Freight Access
- Bishop International Airport serves 1 million passengers per year and growing

Mass Transit
- MTA serves approximately 6 million passengers per year
- MTA provides 14 service routes within Flint

I-69 Trade Corridor
- The corridor provides 2,500 miles of linkage connecting over 750,000 individuals

Non-Motorized Transport
- Flint is recognized for its trail system, including the 12+ mile Flint River Trail linking downtown to multiple neighborhoods and environmental assets
- In a 2007 non-motorized County trail plan, 3 of the top 10 priorities throughout the County recognized were in Flint

Transportation Coordination
- Coordination with the County is practiced, including long range planning

Environmental Features, Open Space & Parks

The Flint parks and recreation system, comprising 67 parks and play-lots spanning over 1,600 acres, was developed to place every neighborhood within a ¼ mile of an area of open space. While Flint's large and diverse inventory of parks and recreation facilities has the potential to serve as an important community amenity for residents, a drop in revenues and declining tax base have put the system in distress.

Between 2008 and 2012, the City lost nearly $315,000 in park millage revenue support. Since 2002, the Parks and Recreation Department has eliminated 89 staff positions. Fortunately, multiple non-profit, philanthropic, and neighborhood organizations are rising to the challenge to help maintain, update, and provide programming throughout Flint.

Given the severe cuts, the City is pursuing alternative funding strategies and contracting with third parties, to operate recreational facilities and assist neighborhood organization in their efforts to revitalize its parks.

Challenges

Parks Funding & Maintenance
- In 2012, the Parks and Recreation Department had a $2.1 million deficit
- Staffing was reduced to five people in FY2014 as a result of park revenue dropping by $315,000 between 2008 and 2013

Park Safety & Remediation
- During youth-focused Master Plan workshops, children overwhelmingly cited park safety as the reason for not using park assets
- The City possesses nearly 1,000 acres of brownfields in need of remediation/redevelopment

Assets

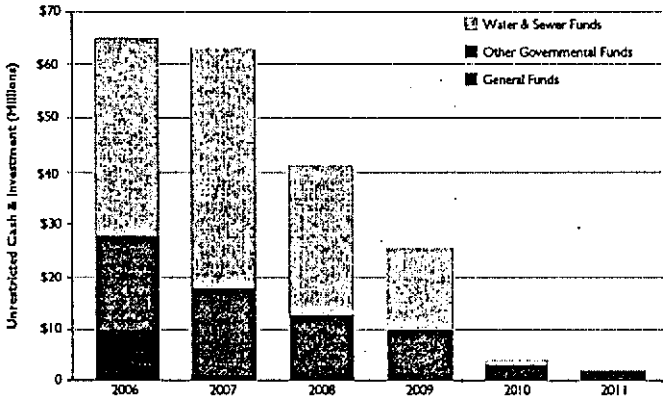
Flint River & Lakes
- Flint is located on part of a watershed that drains 1,360 square miles across 7 counties
- Flint contains 3 lakes, totaling roughly 300 acres of fresh water access
- The Flint River spans the entire City and is prime for recreational activity

Park Partnerships
- Dozens of partnerships have been formed to maintain parks and keep community centers
- Within the Clean & Green Program, there are 46 groups currently maintaining more than 1,360 lots within the City

Urban Agriculture & Gardening
- There are over 200 active farms and gardens in Flint

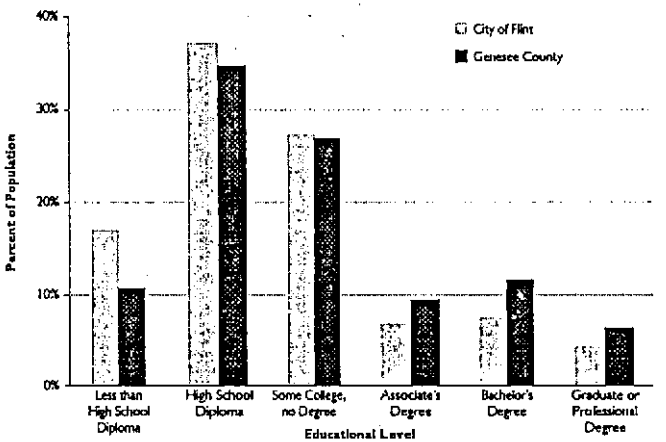
Accessibility
- There are over 1,800 acres of park land in Flint
- 80% of neighborhoods in Flint are within ½ mile of a City park

Primary Operating Funds



Source: US Census, American Community Survey

Educational Attainment



Source: US Census, American Community Survey

Infrastructure & Community Facilities

Budgetary constraints, partly due to a major deficit in 2012, have forced the City of Flint to downsize, close community facilities, and delay critical infrastructure upgrades. Water infrastructure has become an especially critical issue, due to a 20% decline in water customers between 1999 and 2011, leading to a major loss in the City's ability to adequately maintain its aging water infrastructure. The City recognizes that these services are essential to creating a thriving and vibrant community for all residents and help to define local quality of life. The goals outlined in the Master Plan address these issues head on.

Challenges

City Budget
- There was a $18 million general fund deficit in 2012

Infrastructure with High Fixed Costs
- In 1999, the City provided water to 45,000 customers, but by 2011 the number dropped to 36,000
- The City has 1,500 miles of water/sewer lines built to accommodate a population of more than 200,000
- Flint's water and sewer rates have increased 110% since 2011, equating to an average monthly bill of $139 for Flint residents

Outdated Infrastructure
- The City has six failing or obsolete dams
- The City's street lighting system uses over 11,600 antiquated steet lights

Assets

Cultural Center
- Culture In Flint creates a regional draw, for example, the Flint Institute of Music attracts 300,000 visitors for instruction, programming, and concerts

Potential to Repurpose Schools
- Some schools are well located and could be repurposed (e.g. Oak School) with uses that suit the community's needs

Economic Development & Education

Poor education and a lack of workforce development opportunities is stifling Flint's ability to both attract high-skilled jobs and fill available positions in the City. While Flint has a large trained workforce in manufacturing and skilled trades, the fast growing industries of healthcare, education, and professional services require a new set of skills.

The City is well positioned to take advantage of this with nearly 30,000 students attending Flint's colleges and universities, however, City residents are often left behind. High illiteracy and high school dropout rates have contributed to a 25% unemployment rate of for Flint residents over 16.

If Flint is to take advantage of future job growth in Genesee County, the workforce must be considerably more educated and tailored to the needs of a changing job market. The Plan outlines strategies for education, including the creation of greater links between Flint's primary education system and higher education opportunities. The Master Plan lays a framework for helping prepare Flint's future workforce for success.

Challenges

K-12 Education
- Only 54.4% of the school aged population attend a Flint Community School
- 17% of adults aged 25 and older did not graduate high school

Workforce Development & Literacy
- 36% of adults aged 25 and older are considered functionally illiterate

Youth Poverty
- In 2010, 63% of Flint youth aged 18 and under were living in poverty, which is an increase of 25.4% from 2000

Unemployment
- 27.5% of Flint's population over 16 was unemployed in 2011

Higher Education Attainment
- Only 11.6% of Flint's population has a bachelor's degree or higher

Assets

Higher Education
- Flint has 4 major higher education facilities with nearly 30,000 enrolled students

Regional Hub
- Flint businesses provide 33% of all jobs in Genesee County
- Flint has an estimated daytime population of 133,882
- Employment in Genesee and Shiawassee Counties is expected to grow by over 4,900 jobs (3%) by 2018

Public Safety, Health, & Welfare

Flint is struggling with unacceptably high crime and poverty rates. In 2010, an estimated 41% of overall residents live below the poverty line, with youth poverty rates near 63%. While these statistics are troubling, the City and County are fortunate to have hundreds of organizations committed to solving the challenges Flint faces.

The Master Plan identifies the improvement of public safety, health and welfare within Flint's neighborhoods as vital to the City's long-term economic health and quality of life. The Plan envisions a place where youth can mature around strong, stable neighborhoods, seniors can live peacefully while having access to high performing health care facilities, and businesses can ensure a high standard of quality of life for their employees.

Challenges

Crime
- 2,337 violent crimes were reported per 100,000 Flint residents in 2012

Poverty
- In 2010, 41.2% of Flint residents were living below the poverty level

Youth in Distress
- In 2010, 63% of Flint residents under the age of 18 lived below the poverty level

Police Staffing Levels
- Drops in City revenue between 2008 and 2013 have led to a loss of nearly 136 police officers since 2008

Arson
- Since 2008, over 1,600 structures within the City have been burned

Assets

Non-Profit Organizations
- Approximately 300-400 non-profit organizations are located in Genesee County

Healthcare Institutions
- Hurley Medical Center is the largest hospital in the County with 443 beds; In 2006, 472,208 outpatients were served

Genesee County Health Plan
- The Genesee Health Plan (GHP) affords area residents the opportunity to obtain quality health care services, serving over 25,000 area people annually

MASTER PLAN FOR A SUSTAINABLE FLINT

8 INFRASTRUCTURE & COMMUNITY FACILITIES PLAN

VISION P. 171

GOAL & OBJECTIVES P. 173

RECOMMENDATIONS AND BEST PRACTICES P. 175

IMPLEMENTATION P. 189

8 INFRASTRUCTURE & COMMUNITY FACILITIES PLAN
VISION, GOAL & OBJECTIVES

Imagine

an efficient and reliable system of infrastructure and community services that ensures the safety of the Flint community, meets the needs of residents, and supports investment in businesses, innovation, and the local economy.

Imagine a Flint that serves its residents through an effective local government and quality facilities.

Imagine a Flint that invests in infrastructure in order to spark new development, restore the environmental integrity of the area, meet the needs of various activities throughout the City, and is not only capable, but is also dependable.

Over the next twenty years, Flint can achieve this vision. However, we must first face existing realities: Flint's population and revenue stream cannot support infrastructure for a population twice its size, much of the City's infrastructure has outlived its expected lifespan, and many public facilities need to be upgraded, repurposed, or redeveloped.

The Infrastructure and Community Facilities Plan recognizes these challenges and charts a course that will help realize a new vision for the community. The recommendations included in this chapter will help Flint develop a modern and comprehensive system of infrastructure and facilities that will ensure the quality of life of its residents, the fiscal stability of the City, and the success of its changing economy.

SOCIAL EQUITY & SUSTAINABILITY

Community facilities and infrastructure play a critical role in ensuring that all residents and families have an opportunity for social and economic success. They also represent some of the greatest fiscal investments made by the City, and should aim to maximize efficiency and effectiveness in how they deliver benefits and enhance the environment.

QUALITY OF LIFE

Safety, reliability, a comprehensive set of services, and a responsive government will allow Flint residents to enjoy all that the City has to offer. Quality infrastructure will complement their investment in the community, while local services will provide the support for education, recreation, and other activities.

YOUTH

Local community services and infrastructure are critical in making sure Flint has strong youth and families. Community services provide the activities and programs that put young people's positive energy to use. Infrastructure provides a living laboratory for young residents to see, on a regular basis, the City's commitment to sustainability, making them the torch bearers for the next generation.

RETHINKING THE ECONOMY

Investment in infrastructure and community services will ensure that Flint is poised to build a strong economy, fueled by local professionals. Local services will help grow a strong local employment base. This, in conjunction with modern and reliable infrastructure, will make Flint an attractive place for investment in commerce and industry.

ADAPTING TO CHANGE

Infrastructure and community facilities must remain flexible in order to meet the needs of Flint's evolving population, development patterns, natural environment, and economy. The locations and design of public buildings, stormwater management strategies, blue/green infrastructure, and other factors must be considered within the context of the long-term vision for the community.

CIVIC LIFE

Infrastructure and community facilities relate to both the physical and social building blocks of community. Infrastructure provides the critical resources that allow a household, neighborhood, and City to operate, while community facilities provide the physical spaces and programs for neighbors to come together to accomplish the goals for Flint.

GOAL:

Flint will enjoy a system of reliable and efficient infrastructure tailored to meet local needs, and have a network of comprehensive community facilities and services provided by the City, non-profit organizations, and other local partners in a coordinated and collaborative manner.

GUIDING PRINCIPLES

The ways in which the Goal & Objectives of the Infrastructure and Community Facilities Plan have been influenced by the guiding principles are indicated using the following symbols.

- Social Equity & Sustainability
- Reshaping the Economy
- Quality of Life
- Adapting to Change
- Land
- Civic Life

Objective #1

Repair and right-size key neighborhood infrastructure to increase resident safety, quality of life, and efficiency.

Responding to Flint's future population, rather than its population from fifty years ago, will be an effective way to ensure investment reflects the vision of the community. This includes the location, capacity and type of infrastructure provided in various parts of the City.

Objective #2

Ensure longevity, reliability, and efficiency of City utilities.

Improvements should be weighed based on their potential to not only maintain existing infrastructure, but also to collectively implement the installation of a long-term coordinated system.

Objective #3

Modernize City and community facilities.

Flint must not only overcome its own past, but also the communities it competes with for development. Providing modern community facilities is one way to provide the best services to residents, and make Flint an attractive choice.

Objective #4

Leverage green technology to reduce energy costs, improve air quality, and increase long-term sustainability.

Needed infrastructure upgrades provide the opportunity to invest in innovative systems that accomplish multiple community goals. Strategic investment in infrastructure and facilities will have long-term benefits to the City and natural environment.

Objective #5

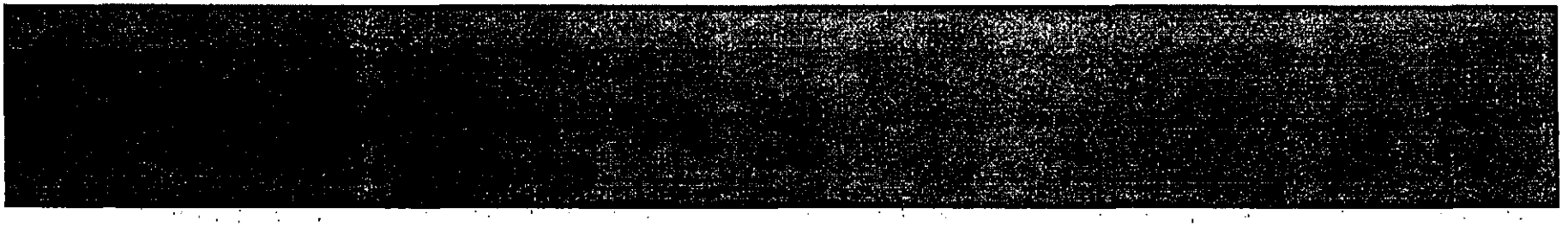
Expand opportunities for blue infrastructure development.

Flint's approach to infrastructure should recognize the value of water as both a usable resource and a tool for managing flooding, restoring ecosystems, and improving access to recreation and open space.

Objective #6

Develop and execute a coordinated City network of street trees.

Trees offer several benefits to the Flint community. Aside from their aesthetic value, they also enhance stormwater management, minimize erosion, and create buffers between incompatible uses.



Objective #7

Provide municipal services consistent with the Master Plan.

Infrastructure and services should be tailored to specifically respond to different neighborhood types, transportation systems, natural areas, and other site-specific influences.

Objective #8

Work with residents, businesses and other stakeholders to foster development of the City and its infrastructure in a manner consistent with the Master Plan.

Full implementation of the community's vision will require collaboration and shared accountability. The greatest level of positive impact will occur when the City's investment in infrastructure is in line with and complemented by service provided by local stakeholders.

Objective #9

Operate in an open and financially stable manner, including improving citizen access, focusing on measurable results, improving the City's financial position, and eliminating accumulated deficits.

It is clear that attaining the vision for Flint will require new investment. However, such investment must be justified by its ability to achieve the goals and objectives in this Plan, or set the stage for other improvements that do so.

8 INFRASTRUCTURE AND COMMUNITY FACILITIES RECOMMENDATIONS & BEST PRACTICES

In 1960, 197,000 people lived in Flint, and the community was bracing for rapid growth around its core industries. Infrastructure was in place to support over 200,000 people. However, the next 50 years brought a reduction in population of 95,000 people. This reduction resulted in a large percentage of vacant buildings and sites. Flint has more than 10,000 vacant homes, including a total of 5,000 blighted structures. In the past 50 years, Flint's population has dropped by 48%, yet the City continues to maintain infrastructure systems capable of serving its peak population. The Infrastructure and Community Facilities Plan considers ways to tailor infrastructure and services to suit local population centers and anticipated long-term development patterns.

The Infrastructure and Community Facilities Plan establishes a coordinated vision for Flint's government facilities, infrastructure, and utilities. It also considers the relationship between the City and other agencies, non-profit organizations, or organizations that provide important social and cultural services.

It also explores vacant properties to make Flint more sustainable by minimizing the stress on infrastructure systems and creatively reusing vacant structures. The Plan envisions a City where infrastructure and services are closely coordinated with housing, economic development, the environment, parks and open space, and transportation, as well as a community that is fiscally responsible and able to support these systems in a fair and equitable way.

Becoming a more sustainable community implies a balanced approach to preserving the environment, enhancing the quality and distribution of services to all citizens, and ensuring the long-term financial viability of all infrastructure.

In addition to recommendations throughout this Plan, there are additional actions the City can take to achieve this important goal.

- Adopt an energy efficiency and conservation policy for government facilities, employees, and contractors that includes turning lights, computers and copiers off, appropriate thermostat use, and reduced "plug load" (i.e. desk lamps, radios, etc.)
- Adopt Energy Star purchasing requirements for new equipment and appliances.
- Implement blue/green infrastructure improvements described in ***Chapter 7: Environmental Features, Open Space, and Parks.***

INFRASTRUCTURE & FUTURE LAND USE

Chapter 4 presents the Place Based Land Use Plan, a flexible framework that establishes the desired character for the areas of Flint. The place types outline potential uses, intensities, and development patterns that can serve as a planning guide for supporting systems and services, enabling local land uses to thrive, and costs of delivery managed. The following paragraphs describe how the provision of infrastructure and services should reflect local land use typologies.

Residential Place Types

The Traditional Neighborhoods and Mixed-Residential areas are striving for improvement. They are existing and stable residential areas that require complete infrastructure, including multi-modal transportation systems consisting of transit, sidewalks, and bike paths; water and electricity with appropriate redundancy; and, community services that focus on supporting youth, families, and local schools.

Successful implementation of Green Neighborhoods will introduce green uses into the remaining, less-dense residential areas. Complete infrastructure, is critical in helping stabilize Green Neighborhoods, demonstrates a City commitment to these areas, and provides an opportunity for a potential long-term transition back into a Traditional Neighborhood. Green Neighborhoods also provide an opportunity to implement blue/green infrastructure, as a way to make use of vacant land and maximize the performance of the City's stormwater infrastructure.

Commercial Place Types

Downtown, City Corridors, and Neighborhood Centers are all critical to a healthy community and local economy. Infrastructure in these areas must ensure the continued delivery of critical services and customers, necessary to keep businesses in operation. Infrastructure can enhance the viability of businesses in the community, ensuring adequate connections are in place between business and all parts of the City, and that pedestrian infrastructure connects shopping and employment areas with nearby neighborhoods.

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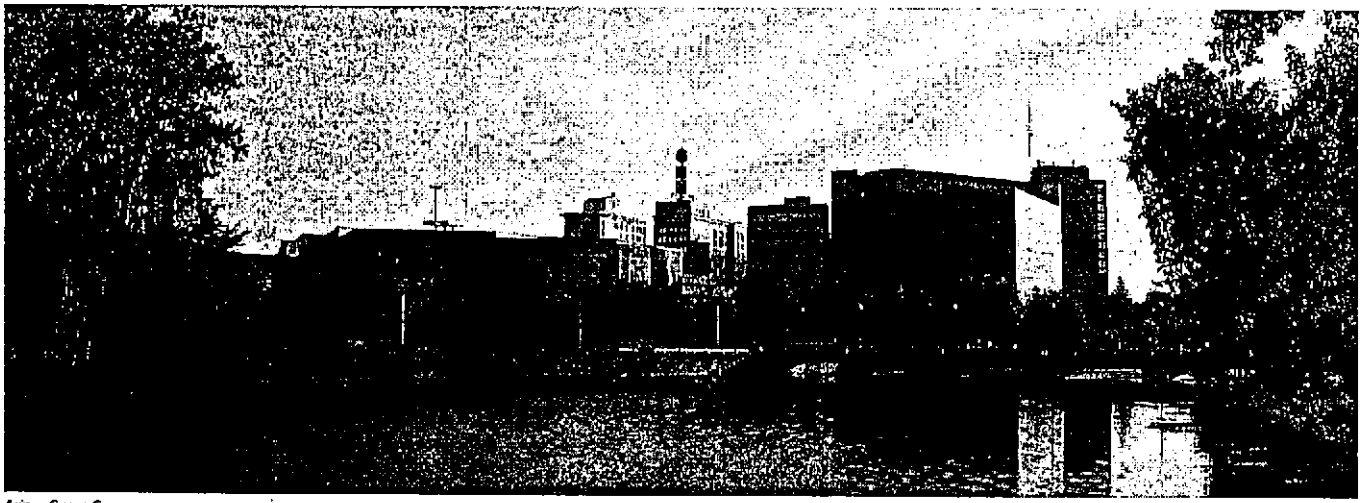


Source: Connor Coyne

BENEFITS OF INVESTING IN SUSTAINABLE SYSTEMS

Several cities are demonstrating the benefits of investment in sustainable infrastructure systems:

- Philadelphia, PA has implemented restoration and demonstration efforts, regulations and incentives for private development to minimize the amount of demand on sewers, and a revised billing system that considers both the gross area of the lot and the amount of pervious surface.
- Stafford County, VA adopted development regulations that permit the use of low-impact development on private lots as a means of meeting on-site detention requirements.
- Portland, OR invested $9 million to address its sewer overflow issue, saving ratepayers approximately $224 million in infrastructure and maintenance costs associated with overflow events.

Institutional Place Types

The University Avenue Core and Civic/Cultural Campus areas have unique infrastructure needs. Activities in these areas include a combination of education, housing, research, and professional offices. These place types, and the institutions within them, may warrant dedicated infrastructure systems that offer improved stability, greater capacity, ease of adaptability as technologies emerge, and redundancy to overcome instances when the larger municipal network is compromised.

Implementation of the University Avenue Core place type will entail significant intensification of existing uses, and has a goal of adding 10,000 dwelling units to support full build-out. This repositioning and new development provides a good opportunity to replace traditional services with innovative green infrastructure, advanced telecommunications and data systems, gray water reuse, and on-site water storage and distribution.

Employment Place Types

Green Innovation areas, Production Centers, Commerce and Employment Centers, and Downtown, will power the local economy, hosting the most intensive activities within the City.

When implemented, Green Innovation areas will present the City with opportunities to take infrastructure "offline," removing unnecessary utilities and systems once the place type and uses are established.

Other place types must maintain access to a complete infrastructure system to ensure their continued operation. This will require flexible infrastructure that can easily and quickly be retrofitted to meet new demands, and be tailored to each specific place type. Commerce and Employment areas for example, will host intensive office and research activities requiring advanced telecommunications and energy systems. The City should consider flexible infrastructure systems that allow for local upgrades, without disruption or added cost to the broader city-wide systems.

LONG-TERM PLANNING

This Master Plan is intended to provide context for a number of other decisions to be made regarding specific actions, priorities, and capital investments. The City should use the Master Plan as a foundation for further analysis and design, that will answer important questions regarding long-term implementation. The Master Plan should directly correlate to two important municipal documents: the Capital Improvement Plan and the Strategic Plan.

Capital Improvement Program

The City's Capital Improvement Program (CIP) includes a series of projects or improvements related to facilities and infrastructure. It identifies specific actions to be completed, and considers anticipated costs, phasing, and funding sources. The Master Plan should be referenced as a guide that provides context for specific decisions and priorities identified in the CIP, specifically considering:

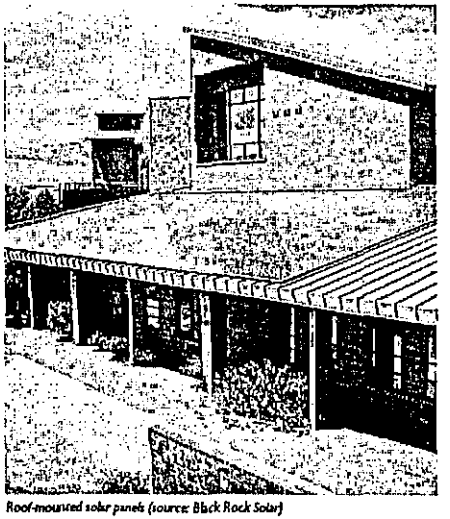
- The potential future benefit of certain actions. These may include long-term cost savings, environmental benefits, increased mobility to important services, and social equity, among others.
- The relative need for specific investments. Some projects may be critical to the health, safety, and welfare of the Flint community, despite also being expensive. These should be considered for more immediate action as they may protect other investments in public systems or private development.
- The anticipated impact in achieving other community goals. Investment in infrastructure or municipal services is often critical to successful economic development, the advancement of arts and culture, or healthy transportation options. These are all goals that provide positive returns back to the Flint community.
- Complementary non-municipal resources. While the CIP reflects the City's intended investment in certain projects, the City should consider funding partners who may make specific actions more attainable on the short-term. This may influence the phasing or priority of some projects and allow the City to attain its vision more quickly.

Flint Strategic Plan

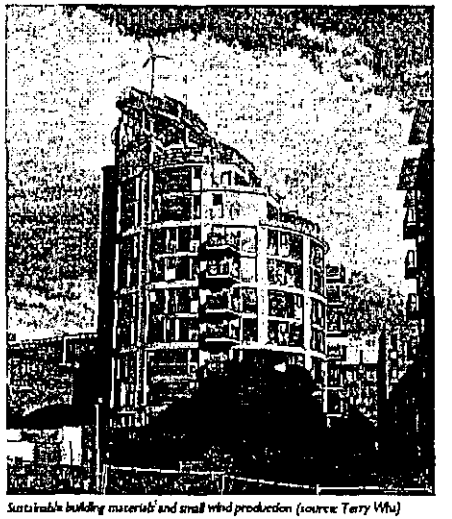
In addition to this Master Plan, the City of Flint is putting in place a Five-Year Strategic Plan to set a sustainable course for local government based on the recognition that the instability and lack of accountability within City government has been a major strain on the community. The Strategic Plan will address the key goals and functions necessary to make the City of Flint a robust partner in planning and maintaining community infrastructure, utilities, and facilities. The Strategic Plan is based on a responsible five-year financial projection and a transparent and accountable revenue estimating process. The Strategic Plan recognizes the importance of creating and maintaining a vibrant and growing community which will attract and retain residents, businesses, students, and visitors by providing municipal services in a customer friendly and financially responsible manner.

BENEFITS OF ENERGY EFFICIENT PUBLIC BUILDINGS

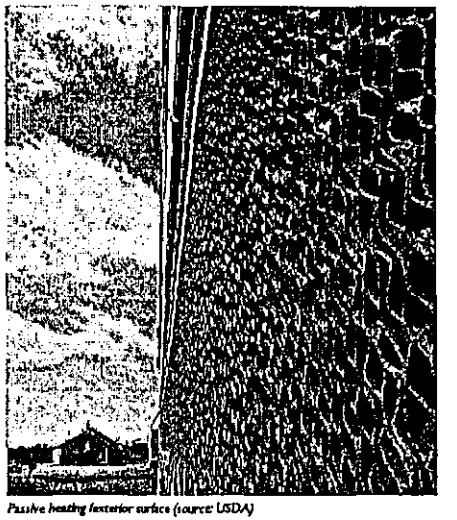
The City of St. Paul, MN is investing in the energy efficiency of public buildings. The $2.7 million program has improved the performance of nearly 30 buildings, with most improvements providing a positive financial return within five years. Improvements include the installation of new energy management systems, new high-efficiency HVAC systems, and new energy-efficient lighting fixtures.



Roof-mounted solar panels (source: Black Rock Solar)



Sustainable building materials and small wind production (source: Terry Wu)



Passive heating exterior surface (source: USDA)

SUSTAINABLE & RENEWABLE INFRASTRUCTURE

Regional and global climate change will impact water availability, infrastructure needs, flora and fauna, and other aspects of the environment. However, sustainable infrastructure has the potential to provide significant benefits to the Flint community. First, it can improve its own performance and efficiency. Secondly, it can minimize negative impacts on private development.

While environmental factors present significant challenges to the community, Flint and Genesee County are home to several hundred non-profit and community organizations. These social resources reflect the local commitment to improving Flint and making it a sustainable and successful community. This Master Plan is an important document for providing context for the coordination of City efforts and the social support provided by non-profit, and community organizations. However, the specific relationship between infrastructure, neighborhood development, character, sustainability, and global climate change, warrant the creation of a local Climate Action Plan. The following paragraphs describe overarching concepts that can be applied to infrastructure throughout the City.

A Climate Action Plan for Flint

In 2009, the State of Michigan adopted a Climate Action Plan that identifies 54 policy recommendations for reducing greenhouse gas emissions. The recommendations include actions that would reduce harmful impacts on the environment while providing an estimated $10 billion of benefits between 2009 and 2025 through the reduced use of water and energy, new job creation, and diversification of the economy.

The City of Flint should build on the state's efforts and create a local Climate Action Plan. This Plan would provide a unique opportunity to address, within the context of one another, anticipated climate change, future population trends, available open space, environmental resources, resident involvement, and the support provided by non-profit and community organizations. The Climate Action Plan would serve as a supporting document to this Master Plan, providing additional insights that would shape future land use policies, multi-modal transportation enhancements, capital improvements, economic development efforts, and collaboration with other departments, agencies and authorities.

Recommendations for the plan include, but are not limited to the following:

- Require City-funded projects to incorporate energy efficient features.
- Promote the benefits of energy efficiency to the business community and demonstrate techniques applicable in Flint.
- Provide a "how to" guide for residents who wish to increase energy efficiency in their homes through equipment upgrades, weatherizing, and modifications in behavior.
- Package information for businesses and residents regarding potential rebates or cost savings associated with energy efficiency.
- Work with local schools to integrate sustainability related discussions, demonstration, and field trips into curricula.
- Integrate sustainable alternatives and regulations into the City's zoning code related to green building design, stormwater management, and alternative energy production.
- Encourage or require landscaping materials that reduce water consumption and reflect anticipated climate change for the Flint region.
- Work with UM-Flint, Mott Community College, and other local partners to offer technical expertise to developers and designers who wish to implement sustainable development techniques.
- Utilize LED solar-powered technology for pedestrian crossing signals and street lights.
- Utilize water conservation practices for the maintenance of parks and municipal properties.
- Replace unused turf areas with native landscaping in open spaces and on municipal properties, in order to increase permeability and groundwater recharge.

Benefits of a Climate Action Plan

Four neighborhoods in Chicago, IL are using climate action plans to improve local quality of life. Working with anthropologists and ecologists from the Field Museum, residents are developing and implementing local climate action plans. The goal of this effort is to apply Chicago's city-wide Climate Action Plan to individual neighborhoods based on:

- Community strengths;
- Community concerns;
- Neighborhood's core organizational work;
- Strategies from the region's climate action plans; and,
- Existing and potential new local and technical partners.

Neighborhoods are exploring actions related to a broad range of concepts, including community gardening, green infrastructure, homeowner water conservation, youth leadership, and more.

Blue/Green Infrastructure

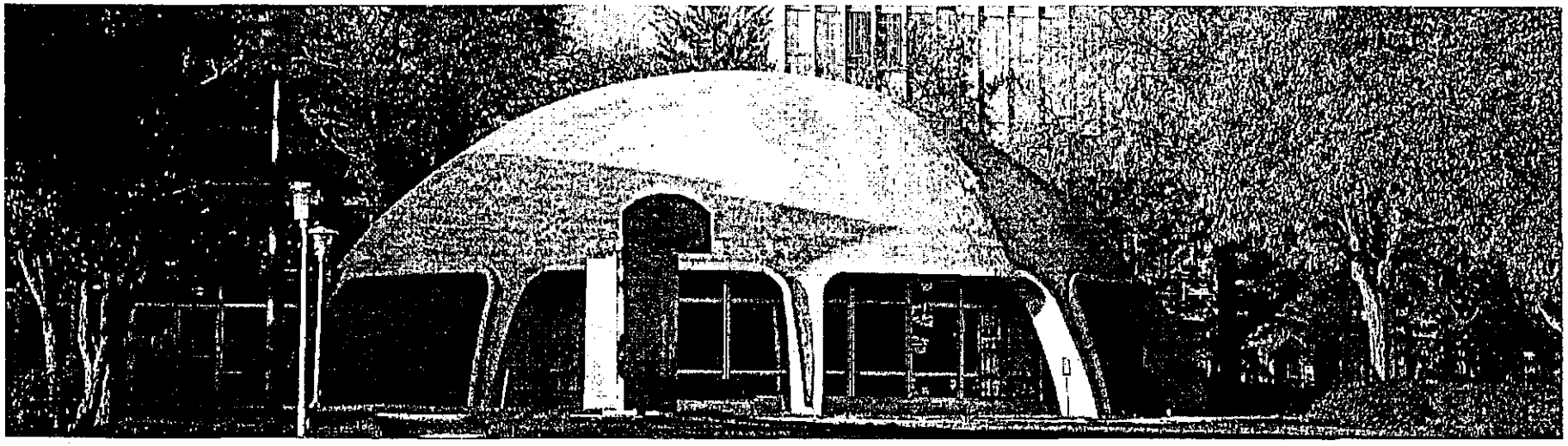
Blue/green infrastructure is an approach to infrastructure and site design that mimics natural systems using low-cost, simple techniques to contain and use stormwater close to where it falls and allow the ground to absorb water and filter pollution as it would before development occurred.

Rather than disposing of stormwater by funneling it off site, blue/green infrastructure advances the principle that stormwater is a natural resource that should be used to recharge natural systems at the site level. Allowing the natural processes of infiltration, filtering, storage and evaporation to occur on-site can reduce or eliminate the need for stormwater detention areas and drainage piping while improving overall water quality.

For example, rather than collecting rainwater in pipes and delivering it to the Flint River, a bioswale would allow for the percolation of rainwater into the soil, where it would be cleaned by native plant life and returned to the ground. This approach would provide the foundation for healthy natural ecosystems and help sustain groundwater supply. The City should explore opportunities to implement blue and green infrastructure techniques, as upgrades or new installation occurs. A more detailed discussion of these techniques exists in *Chapter 7: Environmental Features, Open Space, and Parks.*

Green Technologies

The City should consider ways to implement green technologies into development of its facilities and infrastructure. These include alternative energy sources (i.e. solar, wind and geothermal), energy efficient systems, passive heating and cooling, etc. These techniques can reduce both operational costs to the City, and environmental impacts on the community.



GOVERNMENT FACILITIES

The City of Flint operates a series of facilities that provide services to residents and sustain necessary operations related to government administration, infrastructure, and public safety. Parks and open space facilities are addressed in *Chapter 7: Environmental Features, Open Space, and Parks Plan*. This section describes those facilities and identifies recommendations related to their long-term maintenance.

Routine Maintenance

The City of Flint operates approximately 22 facilities throughout the community. Many of these facilities are approaching 100 years of age, with the majority of structures being built prior to 1960. The City should do the following measures to ensure their long-term viability:

- *On-going maintenance.* All structures should be monitored for regular maintenance needs, including façade rehabilitation, roof repair, water and electrical upgrades and code compliance, sidewalk improvements, ADA accessibility, and parking lot improvements.
- *Data technologies.* Where appropriate, data technologies should be upgraded to enhance the operations within a facility, and improve coordination between departments or buildings.
- *Energy efficiency.* All facilities should be made more energy efficient through improvements to heating and cooling systems, windows and doors, weather stripping, potential alternative energy sources (i.e. solar, wind or geothermal), upgrades to light fixtures, and the installation of more efficient appliances, infrastructure systems. This effort can be facilitated by the installation of energy management software to identify usage patterns and abnormalities, and the adoption of benchmarks for individual facilities.
- *Consolidation.* The City should consider opportunities to consolidate departments or services into fewer facilities, considering the impacts of vacating buildings on nearby land uses and opportunities to repurpose structures for lease or sale.

City Hall

Flint's administrative center consists of six structures: City Hall, City Hall-South Building, City Hall-North Building, the City Hall Dome, Police Headquarters, and Fire Headquarters. These structures total more than 187,000 square feet, and according to the Facilities, Grounds, and Maintenance Division, range from fair to poor/fair condition. In addition to the item listed above, the City should plan for the following improvements to the City Hall facilities:

- *City Hall.* Façade renovation and repair and replace the air conditioning unit.
- *City Hall-North.* Replace the roof and repair the sidewalk between the Police Station and City Hall.
- *City Hall Dome.* Repair or replace lighting in the adjacent parking lot.

Public Works

Public Works includes buildings and facilities operated by the Water Department, Water Pollution Control Department, Water Distribution Division, Sewer Maintenance Division, Street Maintenance Division, and Sanitation Division. The following actions are recommended to ensure that Public Works facilities provide efficient and reliable services to Flint:

- *Water Treatment Plant.* The Water Treatment Plant (WTP) is in need of maintenance or replacement of mechanical and electrical equipment, security improvements, concrete and asphalt, and roofs. These improvements, considered as general maintenance programs, are planned and funded.
- *Cedar Street Pumping Facility.* The Cedar Street Pumping Facility is used as an emergency or peak supply provider. However, the station has no standby power, its electrical controls date back to 1948, and significant upgrades are required to bring the station up to current automatic operation standards. These improvements should be considered in addition to regular maintenance.
- *Pump Station No. 4 and West Side Pump Station.* Pump Station No. 4 was rehabilitated in 1994 and is in adequate condition. The West Side Pump Station was built in 1970. Though its condition is adequate, there is no standby power provided to the station. Installation of standby power should be considered in addition to regular maintenance.
- *Torrey Road Booster Station.* The Torrey Road Booster Station has been scheduled for rehabilitation. The existing pumps have exceeded their lifespan and there is no standby power to the station. Rehabilitation should address these issues, while the station should be monitored for long-term maintenance needs.
- *Water Pollution Control.* The Water Pollution Control Department maintains the Water Pollution Control Facility (WPCF), 11 pumping stations, and 29 additional structures throughout the City. Several of the Department's facilities are in need of routine maintenance improvements. These should be considered as part of an overall maintenance strategy for all public facilities.
- *Street Maintenance and Sanitation Facility.* The Street Maintenance and Sanitation facility hosts the Street Maintenance, Sanitation, Traffic Engineering, and Fleet Maintenance Divisions. The facility includes office spaces, equipment storage, and fleet storage and maintenance. The facility is in need of routine maintenance improvements. This should be considered as part of an overall maintenance strategy for all public facilities.
- *Water Service Center.* The Water Service Center houses the Water Distribution and Sewer Maintenance Divisions, including staff, vehicles and equipment. The facility is in need of routine maintenance improvements. This should be considered as part of an overall maintenance strategy for all public facilities.

CITY OF FLINT
Governmental Facilities

Governmental Facilities Legend

- Open Schools
- Closed Schools

Governmental Facilities Inventory

1. City Hall Complex
   - -Flint Police Department
   - -Flint Fire Department
   - -Flint City Safety office

Public Safety Facilities

2. Northside Service Center
3. Ballenger Highway Service Center
4. Southside Service Center
5. Huley Service Center
6. Kettering Service Center
7. Kearsley Park/MCC Service Center
8. Fire Station #3
9. Fire Station #5
10. Fire Station #6
11. Fire Station #8

Dams

12. Hamilton Dam
13. Fabri Dam
14. Utah Dam
15. Holloway Dam
16. Kearsley Dam
17. Thread Dam

Courts

18. 68th District Court

Other City Goverment Facilities

19. City of Flint- Street Maintenance/Sanitation Department
20. City of Flint-Building Maintenance
21. Flint Community Schools - Headquarters
22. Flint Housing Commission
23. Flint Downtown Development Authority (DDA)
24. Flint City Market
25. Oak Business Center

Water Network

26. Water Treatment Plant
27. Water Pollution Control
28. Water Service Center
29. Pumping Station #1
30. Pumping Station #2
31. Pumping Station #5
32. Pumping Station #6
33. Pumping Station #9
34. Pumping Station #12
35. Avon Pumping Station
36. Third Avenue Pumping Station
37. Pumping Station #3 (not in service)
38. Pumping Station #4 (not in service)
39. Pumping Station #7 (not in service)
40. Pumping Station #8 (not in service)
41. Pumping Station #11 (not in service)
42. Cedar Street Pumping Station
43. Torrey Road Booster Station
44. West Side Reservoir/Pumping Station

Community Centers

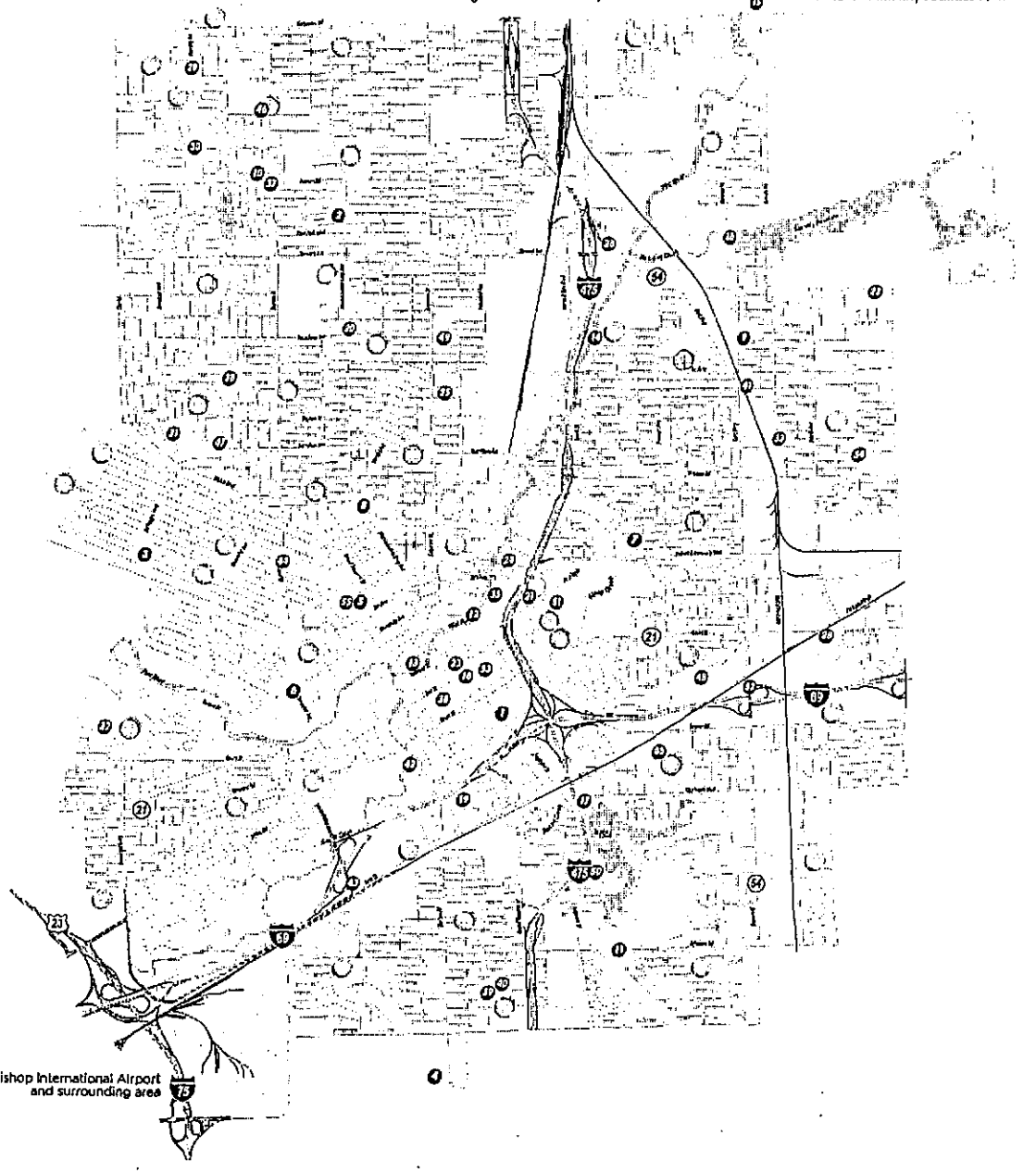
45. Brennan Community Center
46. Hasselbring Senior Center
47. Haskell Community Center
48. Pierce Community Center
49. Berston Field House
50. McKinley/MSTA Center

Library

51. Flint Public Library

Quasi City Goverment

52. MTA Headquarters
53. MTA Downtown Terminal
54. Bishop International Airport
55. Hurley Hospital



Bishop International Airport and surrounding area

Flint City Market. Source: Joel Rash

Public Safety Facilities

This section discusses the facilities related to public safety, while *Chapter 10: Public Safety, Health, and Welfare Plan* summarizes services, staffing, fleets, and related outreach and programs.

The Police Department operates out of several facilities, including one main station, one firing range, one storage facility, and six service centers that are staffed by part-time volunteers. There is also a vacant Police Academy facility for which the department has no long-term need.

The Police Department should implement the following actions:

- Conduct a detailed assessment and inventory of routine maintenance needs.
- Assess the feasibility and appropriateness of various technology upgrades in order to enhance communication among facilities and with other City departments.
- Consider the need for consolidated, vacated, or new facilities in conjunction with anticipated development in different areas of the community, considering localized population centers, surrounding land uses, and connectivity and responsiveness.

Public Safety Service Centers

The City of Flint currently operates six neighborhood service centers. These centers offer a visible presence while providing limited services and operate to serve as an interface between residents and police. In order for the City to achieve a "true" community policing model, the Flint Police Department must ensure these service stations are located and staffed across all areas of the City. Future locations, operations, and staffing of these centers are discussed in the Public Safety, Health and Welfare chapter.

The Fire Department maintains seven stations, four of which are operational, and one training center in Flint. In addition to on-going maintenance needs, the City should partner with the Fire Department in implementing the following actions:

- Assess the feasibility and appropriateness of various technology upgrades in order to enhance communication among facilities and with other City departments.
- Consider the need for consolidated, vacated, or new facilities in conjunction with anticipated development in different areas of the community, considering localized population centers, surrounding land uses, and connectivity and responsiveness.
- Make regular station upgrades and repairs related to diesel exhaust systems, bay doors, and other similar items.

Key Community Facilities

Flint Public Library

The Flint Public Library is a full-service library providing an extensive reference department, research collections, and Children's Library. The Library serves over 280,000 visitors annually, while offering over 800 programs servicing nearly 60,000 individuals. The City and the community must recognize the public library as a key community asset and work with a wide range of partners to ensure its long-term sustainability, including assisting in supporting efforts to implement minor capital investments in the short-term.

Flint City Market Site

While the closing of the Flint City Market presents a strong sense of loss for some, it also provides a great opportunity to repurpose the site with new partners in a truly unique fashion. However, its appealing aesthetics and character must be preserved through a thoughtful process that protects its status as a historical asset and strong community anchor.

Building on its proximity to the Flint River and ample parking nearby, the City-owned site could become a great complement to surrounding land uses. The City should encourage the repurposing of the building for either creative uses (i.e. artists' galleries) or Flint River related recreation. For example, the site's location along the river and the Flint River Trail, makes it ideal for a boat and bike rental facility, repair shop, concessions, and river-related recreation programming.

Community Centers

As of 2013, the City had five community centers: Berston, Brennan, Hasselbring, Haskell, and McKinley. All of the programming at these facilities is provided by various non-profit partners.

- *Senior Centers:* Two centers – Brennan and Hasselbring – function as Senior Centers with occasional programming offered to the larger community.
- *Youth Centers:* Berston and Haskell Centers provide services geared toward youth. Both these facilities are well utilized and have reached the point where they cannot physically accommodate more users without significant capital investment.
- *Special Services:* The McKinley Center is run by the VISTA Drop-In Center, an organization that was established in 1985 to serve the mentally ill, developmentally disabled, and/or homeless populations.

Funding

Genesee County passed a senior millage that formally helped fund senior services at Brennan, Hasselbring, and Pierce.

The Pierce Senior Center was closed in 2012 and unfortunately, the City was unable to find a partner to provide senior services at this location. There is no comparable funding source for youth programming.

Wrap-around Neighborhood Centers

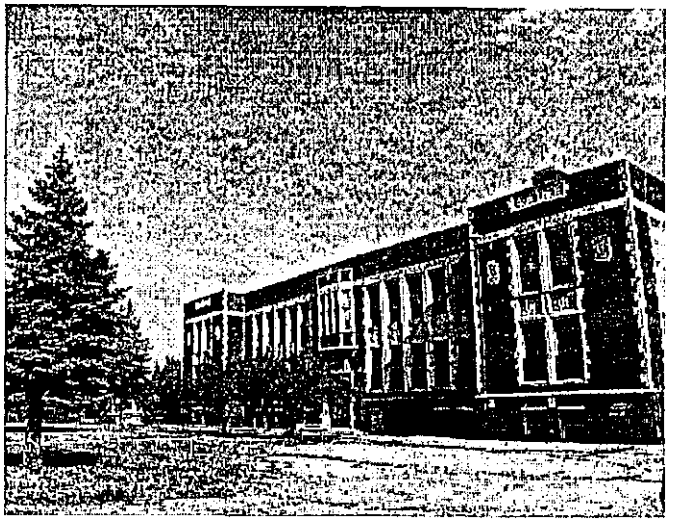
The community has expressed strong support for creating new community centers that offer wrap-around services for youth and their families throughout the City. In many cases, there are closed facilities, such as schools, that could be re-purposed for this use. In the short-term, the City must continue to work with its partners at these five centers to ensure that the facilities remain in operation and continue to provide much-needed programming for residents.

Priority should be given to necessary capital improvements, which will allow these facilities to remain open. However, recognizing that these facilities are inadequate to address the needs of our residents, the City should engage with residents, stakeholders, community-based organizations, and funders, to identify and establish new sites for community centers, particularly in underserved areas. The City should also continue to engage potential partners in re-opening the Pierce Senior Center, which when open, was fully utilized.

BERSTON FIELD HOUSE

Located on Flint's north side, the Berston Field House is home to many Flint legends, past and present. Opened in 1923 and designated as a State Historic Site in 1994, the field house was the first in Flint to allow African-Americans entry and access to programming. Run and operated by volunteers, the center is a prime example of the demand for youth programming within Flint's neighborhoods.

With linked City finances available for needed for capital improvements, the formation of a Berston Authority is underway. This type of public partnership could be a great model for future community centers across the city to ensure the youth of Flint have access and availability to necessary programming and activities.



Flint Community Schools - *Adaptive Reuse*

Declining enrollment and budget constraints have forced the Flint Community Schools District to close several of its facilities in recent years. Starting in the 2013-2014 school year, the district's two high schools will host students in grades 7 through 12, while 14 elementary schools will host students in kindergarten through grade 6. A new alternative program for 7th through 9th grade students, will also be opening at the former Flint Northern High School. FCS has not built a new school since 1972.

In total, the school district currently owns more than 20 closed school properties, some of which have had their structures demolished. The school district recently signed a six-month contract with a commercial real estate broker to market several district properties.

Adhering to the Land Use Plan

As important community anchors within Flint's neighborhoods, the City should advocate for the adaptive reuse of school facilities. Priority should be given to uses that complement the surrounding place identified in the Land Use Plan. For example, within a traditional or green neighborhood, an appropriate reuse of a school might include senior housing, a community center, or small retail center. Within a green innovation area, a former school could appropriately serve as a space for research, or a business incubator.

While the Land Use Plan should serve as a guide to the type of reuse desired by the community, the City should also be flexible in considering innovative approaches to the reuse of the valued community assets. First and foremost, it is important that school facility reuse does not negatively impact quality of life in surrounding neighborhoods. Unconventional reuse proposals may be appropriate if externalities are minimal. The following discussion includes a brief summary of challenges and best practices in the adaptive reuse of schools.

Historic School Buildings

Flint Community Schools owns several 1920s era buildings of potential historic significance. Schools such as Civic Park Elementary, are also located within designated historic districts. When properly maintained, these structures contribute to a positive neighborhood image and identity. Where possible, the City should work with the school district to preserve historic school buildings.

Challenges of Closed School Buildings

School buildings are neighborhood anchors that attract activity and act as a focal point, but when left vacant they can become a liability to school districts, and a potential burden on the surrounding community. A review of existing adaptive school reuse projects indicates that there is not a strong correlation between structural characteristics and certain types of reuse. The needs of the surrounding community, market demand, and developer willingness have more to do with how the building is adapted.

Competing Sellers with Less Red Tape

Public school closures are a growing phenomenon in the nation, but marketing the school sites to buyers for repurposing proves difficult. To begin with, school districts are typically not set up to handle the challenges of property sales – their business is in education administration and not in real estate or economic development.

Additionally, other entities compete with school districts to sell vacant facilities, such as private schools, which can make transactions more nimble and often have facilities in better shape than public schools.

School Location

Location changes the selling game as well – adaptation of a property on a busy corridor, is significantly more feasible than a property that is tucked away into the heart of a residential neighborhood, as many school buildings are. A building in substandard condition that is on an active corridor, will likely have a higher asking price than a less accessible building in great condition.

Best Practices

Physical Assessment & Marketing

Structural factors play a major part in the trouble of repurposing vacant school buildings. Typically, the larger the building, the more difficult it is to find a suitable use– smaller buildings are compatible with a wider range of uses and are easier to locate buyers for. Moreover, aged buildings may require serious renovations by the buyer, the need to be brought into compliance with the Americans with Disabilities Act (ADA), or might have insufficient parking. Excessive associated costs will drive away potential buyers.

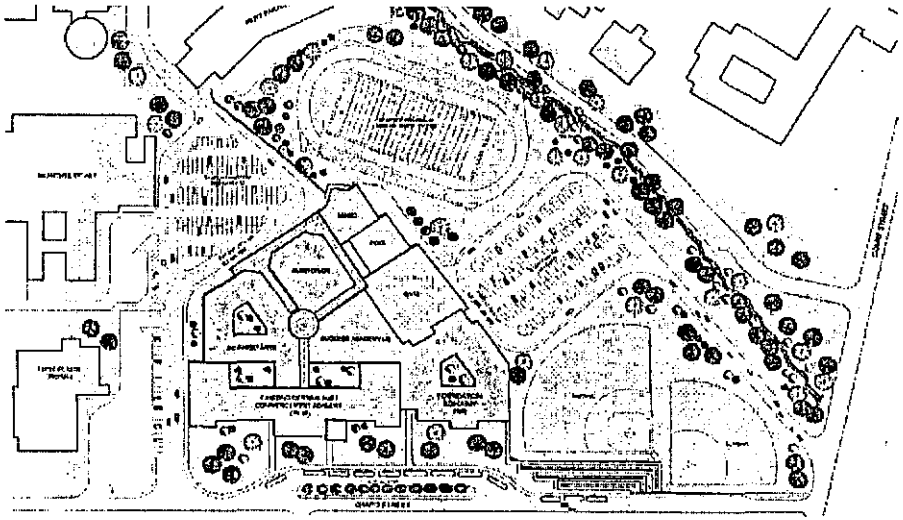
Given the varied age, size, and condition of the large inventory of closed school facilities owned by the FCS, the school district should consider performing an assessment of its properties to inventory condition, floor layout, site access, and other attributes of potential use to interested buyers. Once complete, the assessment should be made readily available to interested parties. Easy access to property information is essential in the effective marketing properties for sale or lease.

Repurposing Committee

Marketing a school property is a critical component of bringing in a new occupant. In addition to the commercial broker contracted by the school district, the City should work with the school district to establish a "repurposing committee" to guide the school sales/lease process. The committee should consist of school and City officials, as well as community stakeholders, and would be responsible for reaching out to potential developers and occupants, seeking input from residents and stakeholders, and determining whether any environmental or market studies are needed prior to redevelopment.

Choosing an Qualified Buyer

When successful, efforts to repurpose closed school property can be a valuable opportunity to rally interest in the area from both community residents and potential buyers. The school district should consider using a design competition to solicit creative and effective solutions for select properties. A "contest" approach may be more likely to attract developers because of the public attention. It could also generate increased interest among local residents and stakeholders. Use of a design competition may also make certain that the buyer follows through on announced plans by requiring construction milestones, adding clauses to the deed that prohibit flipping to other uses, and requiring a proof of funding for the project.



Central High School redevelopment concept (Source: Flint Community Schools)

Sell or Lease?

School districts have two different options of managing the financial transaction of a property: selling or leasing. Selling can be preferable because most school districts are not set up to be landlords. It produces cash and there is a reduction of the district's liability. On the other hand, leasing offers more control over future use, keeps buildings in public ownership, and can often reduce the turnaround time in occupancy.

Leasing works better for buildings in good condition because lessees may not have the capital or time for renovations. For example, the school district currently leases the former Stewart Elementary School building to a church.

Types of Reuse

School buildings are creatively reutilized in a wide variety of methods. The most common occupants that take up home in closed schools are charter schools – 42% of large city school closures are reused by charters. Other institutional uses frequently establish themselves in school buildings as well, such as private schools, college and university buildings, health clinics, community or cultural centers, police stations, homeless shelters, and churches. If appropriate, the property is sometimes even bought up by the municipality, and transformed into a green park or other public space.

Commercial, residential, or office space is also sometimes compatible with the property's structure and location. Commercial and office applications have included neighborhood markets, recording studios, daycare facilities, technology centers, shopping centers, medical offices, school administration offices, movie theaters, and hotels. Residential properties, especially mixed-income apartments or mixed use developments, are also typical adaptations.

- *Educational*
  Holmes Street School in Lansing is experiencing a $2.5 million renovation into a technology and educational hub. The building will house Spartan Internet Consulting, a software security technology company, and the *Information Technology Empowerment Center (ITEC)*, which is a non-profit organization that engages kids in math and science through technology courses and homework help.
- *Institutional*
  Graceland School in Kansas City, MO will be renovated as the *Brandmeyer Community Center* by Swope Corridor Renaissance/Upper Room, Inc. (SCUR), an organization that provides educational opportunities to low-income families. The building will host programs for seniors, a neighborhood meeting space, a coffee shop, a fitness center, and a computer room. It will also provide a home for neighborhood organizations and non-profit organization programs. SCUR received a $1.5 million private donation that will go towards the acquisition and renovation of the site.
- *Residential*
  The former Ypsilanti High, located in Ypsilanti, was built in 1915 and closed in 1995. In 1997, the school district chose a developer to purchase the 160,000 square foot building and renovate it into a 104 unit apartment complex for senior citizens, known as *Cross Street Village*. The rehabilitation cost more than $10 million and was finished in 2000. Seniors, some of whom attended the high school, live in renovated classrooms, laboratories, and offices. Lockers are used as storage and a small movie theater and laundry room had been added.
- *Commercial & Office*
  Swinney Elementary School in Kansas, MO is being purchased by the *Kansas City Sustainable Development Partners, LLC (KCSDP)* to restore the building into medical office suites that cater to small practices and doctor's groups. The historic interior and exterior will be preserved. The total projected cost is $9.3 million and are expected to be financed by historic tax credits, short-term and long-term debt, and developer equity.
- *Arts and Culture*
  Burton International School in Detroit converted to *Burton Theatre*, a facility with a movie theater and art studios. The school already had seats and a projection booth that was built in 1924, and was purchased by an individual for $400,000. It shows movies on weekends and is also home to a Montessori school.

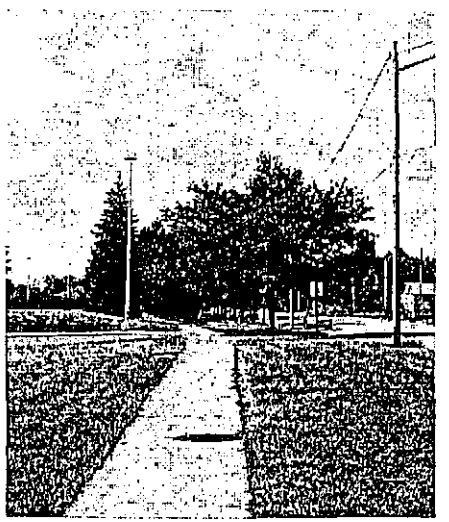
High School Locations

The Flint school district's two open high school facilities are located on the outer edges of the community. While this may be necessary due to current facility conditions and capacity, it also increases the need for busing to schools. A larger issue with the current high school configuration is a concern echoed through numerous community outreach efforts: lack of a central high school facility diminishes the local sense of community. Flint residents have repeatedly expressed a desire for a centrally located high school that helps create a shared sense of community identity across all neighborhoods of Flint, regardless of geography.

Central High School Redevelopment Concept

Central High School (built in 1922) and adjacent Whittier Middle School (built in 1925) were both closed following the 2008-2009 school year due to a combination of declining student enrollment, budget deficits, and increasing maintenance costs at the two facilities. Given its central location and large size, the Central-Whittier campus remains a highly desirable site for school facilities, and residents have expressed a strong desire to see the two schools renovated.

A potential renovation would also allow youth to capitalize on walkability to the Flint Institute of Arts, Flint Public Library, Longway Planetarium, and other key cultural and academic institutions. However, while school officials express a desire to renovate and reoccupy Central High School and Whittier Middle School, budget constraints have limited any action.



INFRASTRUCTURE & UTILITIES

The recommendations of this section address the maintenance and improvement of the City's infrastructure, and should be implemented in conjunction with new development, transportation systems, parks and open spaces, natural areas, and other investment.

Modularization & Decentralization

Modularization and decentralization should be considered for all infrastructure systems.

- Modularization entails the creation of several micro-systems within one larger system. This allows portions of the larger system to be taken off-line for maintenance or repairs without having to shut down a larger portion of the system.
- Decentralization entails the decreased reliance of a system on one resource. For example, multiple energy or water sources provide back-up and redundancy in the event that one source is compromised.

Transportation

Chapter 6: Transportation and Mobility Plan identifies more specific recommendations related to the operational characteristics and capacity of the City's multi-modal transportation network. This section focuses on the maintenance of that system and its relationship to other infrastructure.

Roadway Conditions

In 2012, the conditions of all federal aid eligible roadways in Genesee County were assessed based on the Pavement Surface Evaluation Rating (PASER) system. According to this assessment of 422 lane miles:

- 35 lane miles of roadway are in "good" condition, requiring routine maintenance.
- 309 lane miles of roadway are in "fair" condition, requiring capital preventative maintenance.
- 78 lane miles of roadway are in "poor" condition, requiring structural improvements.

In order to sustain a high-quality system of roadways, the City should:

- Work closely with MDOT and Genesee County to implement the recommendations in the Transportation and Mobility Plan, Genesee County Regional Trail Plan, Genesee County Long Range Transportation Plan, and other adopted policies.
- Continue to explore opportunities for grants to fund roadway improvement projects.
- Coordinate roadway improvement projects with other efforts, including utility upgrades, redevelopment, and streetscaping.
- Prioritize the improvement of roadways throughout the City based on factors impacts to traffic flow, mobility, safety, and access to surrounding land uses.
- Seek opportunities to implement other improvements (i.e. road diets) on roadway segments most in need of repair.

Bridges

Many of Flint's bridges were constructed in the 1960's and 1970's. According to a 2013 MDOT report utilizing the FHWA National Bridge Inventory rating system, nine bridges in Flint are structurally deficient, and 44 are functionally obsolete. (The report includes assessments of all bridges with a span of 20' or more.)

MDOT has included several bridge improvement projects in Flint in its 2013-2017 Capital Improvement Program. The City should continue to work with MDOT and Genesee County Metropolitan Planning Commission to implement these improvements, and monitor the condition of all bridges throughout the community on an on-going basis.

Sidewalks

There are approximately 1,300 miles of public sidewalk in Flint. The FY2014 Capital Improvement Program identifies a shortfall of $35-45 million needed to repair or replace 950 miles of sidewalk. In the past, the City has typically relied on CDBG funding to repair sidewalks, but such funding is increasingly limited and does not address the magnitude of the challenge in Flint. The following are actions that the City should take to improve the sidewalk network, and are consistent with the recommendations contained in *Chapter 6: Transportation and Mobility Plan:*

- Work with MDOT to implement the recommendations in the Transportation and Mobility Plan related to the maintenance of a comprehensive pedestrian network.
- Conduct a detailed inventory of the pedestrian network, including the location and condition of sidewalks, crosswalks, and curb cuts.
- Establish a sidewalk improvement program that identifies priority improvement areas and funding sources, and considers other improvements related to land use, streets, bike paths, parks and recreation, education, and other services and amenities.
- Assess the need for upgrades to signage and technologies to assist pedestrians in crossing public streets.
- Continue to explore funding sources for the improvement and expansion of the sidewalk network.
- Work closely with residents, neighborhood organizations, and businesses to improve sidewalks in localized areas.

CITY OF FLINT
2012 PASER Ratings

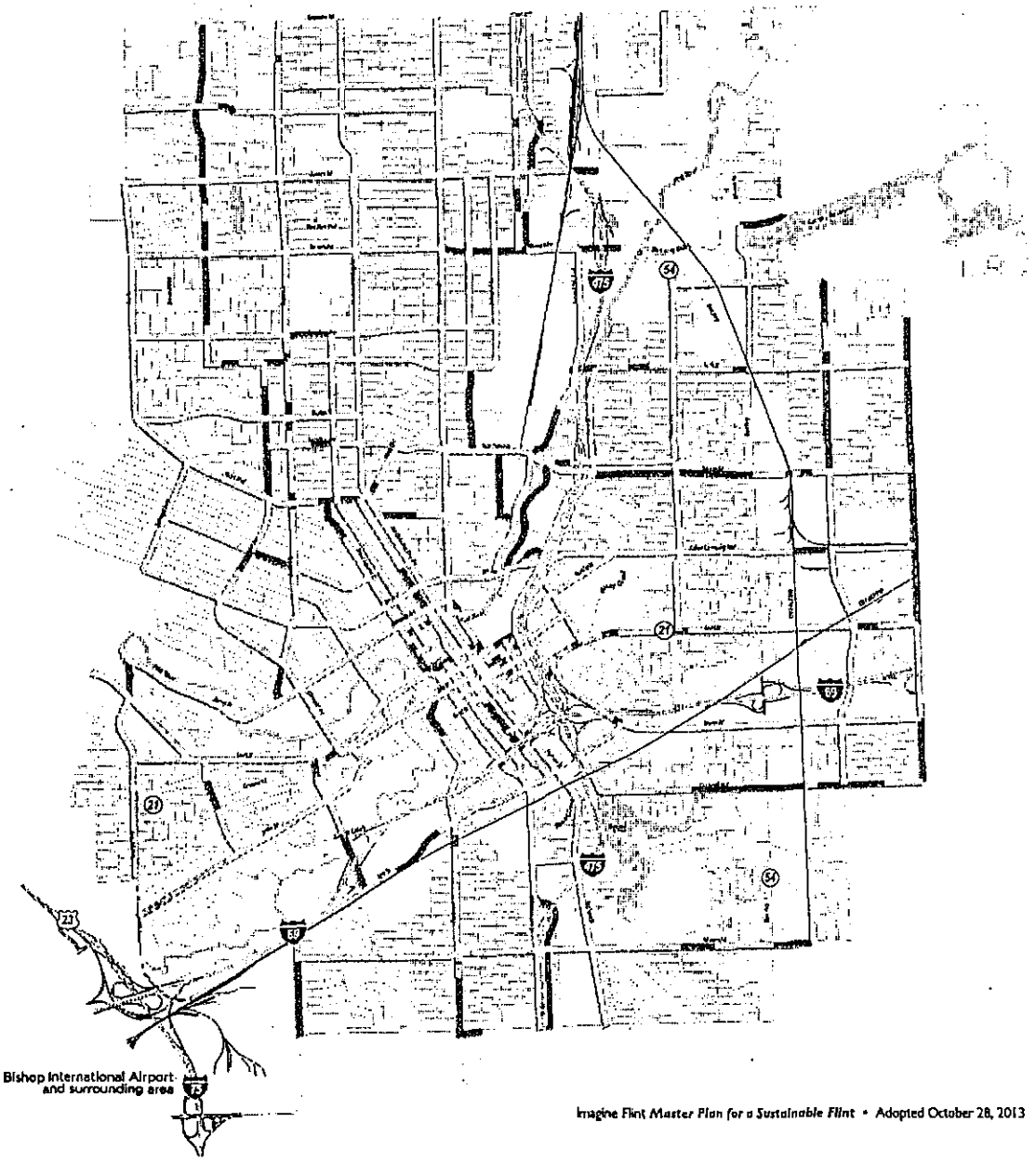
Pavement Surface Evaluation and Rating (PASER) is a rating system designed to assess the quality of roadway segments. Developed by the University of Wisconsin-Madison Transportation Information Center, the rating system evaluates roadway conditions on a scale of 1-10. The system is useful for setting priorities for infrastructure maintenance projects, and selecting alternative roadway treatments.

PASER Ratings Legend

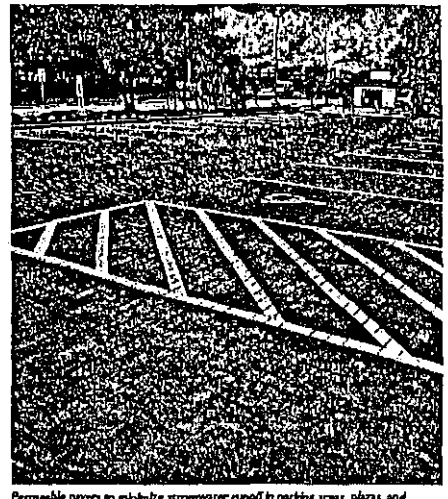
Rating 8-10: 35 lane miles of roadway are in "good" condition, requiring routine maintenance.

Rating 4-7: 309 lane miles of roadway are in "fair" condition, requiring capital preventative maintenance.

Rating 1-4: 78 lane miles of roadway are in "poor" condition, requiring structural improvements.



Bioswales as stormwater management in parking areas and curbside landscaping (source: Chris Hamby)



Permeable pavers to minimize stormwater runoff in parking areas, plazas, and streets (source: Gulf Coast Pavers, Inc.)

Raingardens to retain and filter water on-site and recharge groundwater reserves (source: Nina Pennies)

STORMWATER UTILITY

The City faces several financial and engineering challenges related to the maintenance of infrastructure that serves a decreased population from when it was built. The City seeing stormwater infrastructure improvements and maintenance. Several other Michigan communities, including Ann Arbor, Adrian, and New Baltimore. This would allow the City to allocate resources to other systems, while working closely with the Utility to ensure that stormwater infrastructure improvements are made in accordance with land use and development policies.

Bike Trails

The City currently has a layered system of regional and local bike trails. (Chapter 6: *Transportation and Mobility* offers a more thorough inventory of Flint's trail network and proposed recommendations.) The Flint River Trail is the backbone of the system, extending 12.4 miles through the heart of the community, and providing access to the City's most important natural element. The 2007 Genesee County Regional Trail Plan highlights proposed improvements to the trail system. These recommendations should serve as the vision for future investment in trail maintenance and expansion.

The City should implement the following actions in order to create a more comprehensive system of bike trails in Flint:

- Work closely with Genesee County to implement the recommendations in the Transportation and Mobility Plan and Genesee County Regional Trail Plan.
- Ensure that the locations of, and connections to bike trails enhance access to open spaces, natural areas, and important destinations throughout the City.
- Prioritize bike path improvements based on their ability to reduce automobile use, provide active recreation, and enhance access to jobs, education, and other quality of life factors.
- Improve the mobility of Flint's youth.

Street Lighting

Street lights are currently owned and maintained by Consumer's Energy. The City is assessing the viability and cost savings of converting the system to energy-efficient LED fixtures. It is anticipated that this would result in an annual energy savings of approximately $1.5 million, and would offset installation costs in just over three years. The City should continue to assess the viability of this approach, and work closely with Consumer's Energy to procure funding for installation and long-term maintenance of the system.

Green Transportation Infrastructure

In addition to the maintenance of traditional transportation infrastructure, the City should support the use of alternative transportation through investment in green transportation infrastructure. Some components of a green transportation infrastructure network include:

- Electric car charging stations
- Green Highways that use permeable surfaces, recycled construction materials, and native plant species to retain pollutants from seeping into watersheds
- Pedestrian bridges that enhance connectivity and remove barriers to walking and biking
- Transportation projects that use recycled building materials
- Greenways that offer multi-modal connections between different parts of the City and foster wildlife migration

Sanitary Sewer System

The Utility Division manages 569 miles of sanitary sewers throughout the City. The system includes gravity sewers and force mains ranging from 8" to 72" in diameter, 11 pump stations, a 10 million gallon (MG) storage tunnel, a 10 MG Retention Treatment Basin (RTB), and a 50 million gallon per day (MGD) wastewater treatment plant known as the Water Pollution Control Facility (WPCF). The WPCF has a peak facility of 80 MGD and uses chlorination and dechlorination to disinfect sewage and discharge it into the Flint River.

A 2011 Sewer System Evaluation Study (SSES) concluded that 93 manholes would be submerged during significant rain events, and that sewage flow was disrupted by 80-90% in some areas by compromised joint integrity or root intrusion. The City should implement the following actions to improve the sanitary sewer system in response to the SSES findings and recommendations:

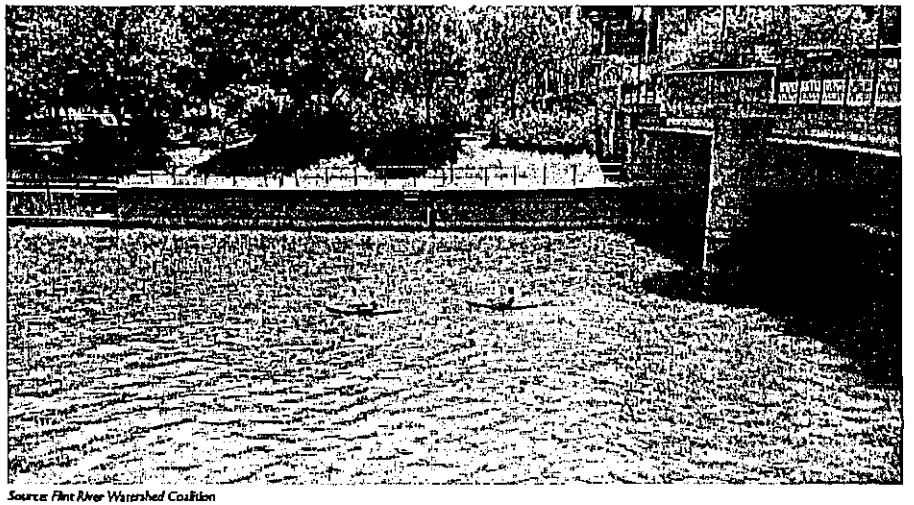
- Continue the on-going monitoring of the condition of all components of the sanitary sewer system.
- Establish a regular annual maintenance program that keeps pace with the anticipated lifespan of sanitary sewer components.
- Establish a short-term capital program to implement the recommendations of the SSES, including the replacement of manhole lids and lining of manholes at 93 locations, or the construction of a 2 MG retention treatment basin at the Chevy in the Hole site.
- Identify regular capital improvement funding and other funding sources to assist with scheduled or emerging issues.
- Coordinate sanitary sewer upgrades with other infrastructure improvement projects.

Additionally, the City should encourage the on-site separation of reusable gray water from sewage water that requires treatment. This would reduce the total amount of demand on the sewer system and provide opportunities for gray water reuse.

Storm Sewer System

The Utility Division operates and maintains 350 miles of storm sewers. The storm sewer is separate from the sanitary sewer, though heavy rain events can create overflow into the City's sanitary sewer system. There is little information regarding the age or condition of the storm sewer system, though it can be assumed it was installed at a time similar to the sanitary sewer system. The City should implement the following actions to improve the storm sewer system:

- Conduct a thorough and comprehensive survey of the age, condition, and performance of the storm sewer system that identifies shortcomings in capacity, danger points related to deteriorated infrastructure, or impediments to efficient performance such as root balls, blockages, or other factors. Establish a long-term maintenance and improvement program that addresses the needs identified in the comprehensive survey.
- Minimize the amount of storm water entering the system, especially during significant rain events, through on-site detention and filtration techniques, including detention and retention basins, rain gardens, residential rain barrels, permeable pavers, green roofs, and green infrastructure.
- Utilize vacant land in neighborhoods, commercial districts, and industrial areas for the creation of shared detention facilities that divert water away from the storm sewer system.



Source: Flint River Watershed Coalition

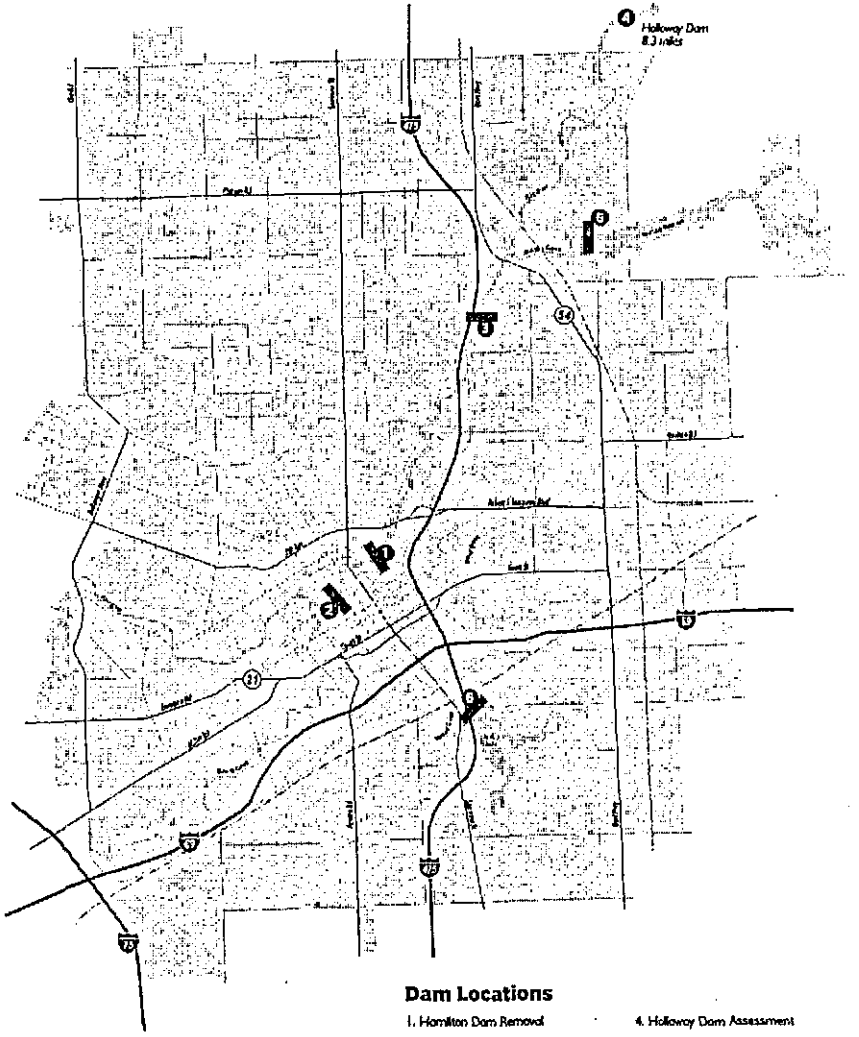
Water

This section includes recommendations related to the treatment and distribution of water, collection and discharge of stormwater and sewer water, and management of the Flint River. (A more detailed approach to the preservation of the Flint River as an environmental asset is discussed in ***Chapter 7: Environmental Features, Open Space, and Parks Plan.***

Flint River Dams

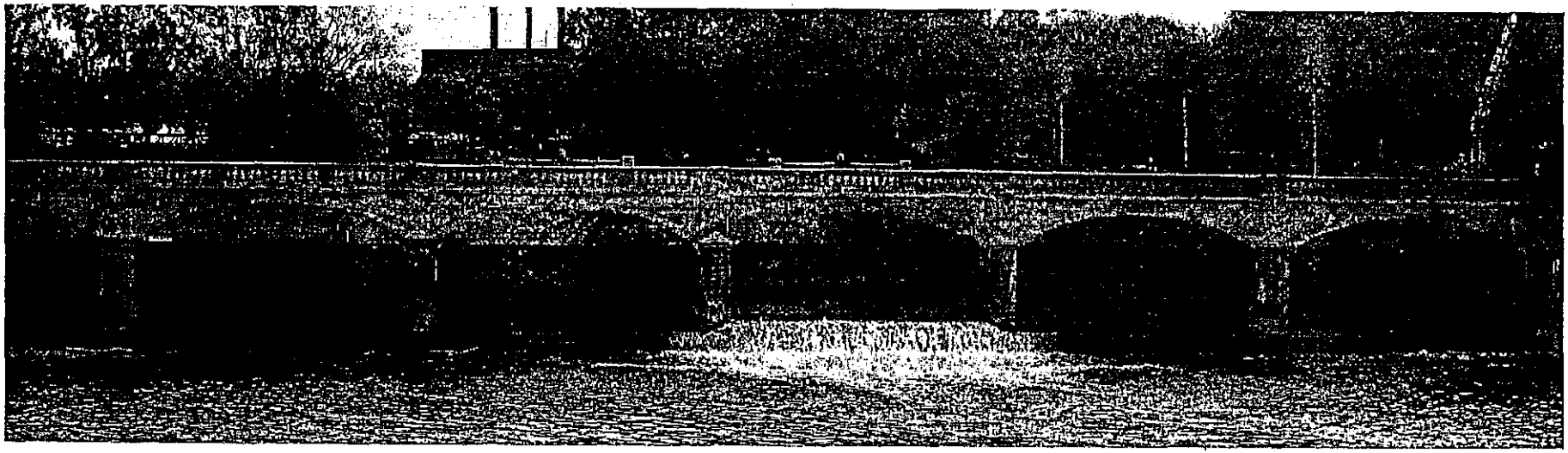
The City of Flint owns and operates six dams along the Flint River and its tributaries. Changes and improvements to the dam network should consider a number of factors, including the condition, functionality, intended benefits, recreational opportunities, and environmental impacts. Recommendations include:

- ***Hamilton Dam Removal.*** The Hamilton Dam is in severe need of repair with several areas of missing concrete and exposed inner rebar, and three of the six floodgates have been decommissioned. Due to its condition, the Hamilton Dam is classified as a High Hazard Critical Dam by the U.S. Army Corps of Engineers, meaning if dam failure were to occur, a potentially dangerous situation could ensue for those within the immediate area. The Hamilton Dam has also been classified by the Department of Environmental Quality as "unsatisfactory" and needing immediate emergency remedial action. As such, the Hamilton Dam is currently unsafe for use by pedestrians as a river crossing. The City should take steps to implement the recommendations of the Flint Riverfront Restoration Plan which call for the removal of the dam and installation of a series of cascading rock formations. This would enhance fish passage along the river and eliminate the burden of dam maintenance.
- ***Fabri Dam Reconstruction.*** The Fabri Dam was built in 1979, and is located downstream from the Hamilton Dam. Removal of the dam would enhance fish passage and river navigability. The City should take steps to implement the recommendations of the 2008 Fabri Dam Conceptual Design Report, and transform the dam into a whitewater run that would enhance the aesthetics of the Flint River and provide a unique recreational amenity in the City.
- ***Utah Dam Removal.*** The Utah Dam sits north of Downtown between Leith Street and North Dort Highway. The dam was built in 1928 and was installed to prevent industrial oil discharges from entering drinking water intakes. The gates are permanently open, and the dam no longer serves a functional purpose. The City should implement the recommendations of a Michigan Department of Natural Resources (MDNR) assessment to remove the dam.
- ***Holloway Dam Assessment.*** Holloway Dam is located approximately 12 miles northeast of Downtown Flint on the Upper Flint River. It was built in 1953 and currently serves as an emergency back-up water supply. As the City transitions to water supplied by the Karegnondi Water Authority, the City should assess the need for emergency back-up water from Holloway Reservoir, and minimize the use of the dam in order to reduce the burden of maintenance.
- ***Kearsley Dam Maintenance.*** The Kearsley Dam is located at the mouth of the Kearsley Reservoir east of Flint. The dam is used for recreation and occasional flow augmentation. The City should continue regular maintenance of the dam.
- ***Thread Dam Fish Passage.*** Thread Dam is currently used for recreation at Thread Lake. The City maintains and operates the dam, and should consider installing a fish passage to enhance its environmental benefits.



Dam Locations

1. Hamilton Dam Removal
2. Fabri Dam Reconstruction
3. Utah Dam Removal
4. Holloway Dam Assessment
5. Kearsley Dam Maintenance
6. Thread Dam Fish Passage



Potable Water

The Utility Division currently manages the maintenance of the water distribution and collection systems, including approximately 600 miles of water main, through the Water Service Center. The City of Flint currently purchases water from the City of Detroit Water and Sewerage Department (DWSD). Flint's waterworks system has a design capacity of 36 million gallons per day (MGD). As a back-up, the City of Flint maintains a water treatment plant that draws water from the Flint River, and has a capacity of 36 MGD. In 2006, improvements were made that were mandated by the Michigan Department of Environmental Quality (MDEQ). However, additional upgrades will be required as part of a new agreement to receive water from the Karegnondi Water Authority.

As part of its mission to reduce the cost of water and efficiency of the distribution system, the City should explore opportunities to provide raw water to industrial uses that do not require fully treated water. This will reduce the cost of water to these users, and therefore operating expenses, as well as the demand on local water treatment facilities.

Water Storage

An assessment conducted by the MDEQ found that Flint's water storage system is adequate in terms of storage, but many aspects of the system are at the end of their useful life, and will require repair or replacement. Components of the water storage system include:

- Dort Reservoir, a 20 million gallon (MG) ground storage facility built in 1966 and is used primarily for emergency water storage and drinking water during peak periods.
- Water Treatment Plant (WTP) elevated tank, with a 2 MG capacity for emergency water capacity and pressure buffering.
- WTP ground storage facility with a capacity of 3 MG used for emergency and peak demand.
- Cedar Street Reservoir, a 20 MG ground storage facility used for emergency and peak demand.
- West Side Reservoir, a 12 MG ground storage facility used for emergency and peak demand.

The City should establish a long-term capital improvement plan for the water storage system, highlighting priority improvements, potential funding sources, and long-term budgeting of maintenance and expansion.

Karegnondi Water Authority

The Karegnondi Water Authority (KWA) was incorporated in 2012 to provide water to the region of the state commonly known as the I-69 Corridor. In order to implement service from the KWA, the Authority is preparing to build a pipeline to Flint. Flint's contribution to the pipeline construction is anticipated to be approximately $81 million, but the cost savings of discontinuing service from the City of Detroit should net benefits in the long-term. In preparation for the construction of the pipeline, the City should assess the capacity requirements of back-up supplies and tailor facilities and infrastructure as needed in order to maximize the efficiency of the storage and distribution system and relieve maintenance costs to the greatest extent possible.

Water Distribution

Flint's conveyance system includes water mains that range from 4" to 72" in diameter. Much of the piping in the system is over 70 years old, and a significant amount of the 48" mains are prone to breaks and unable to provide modern pressures and fire flows. According to a 2011 Water Reliability Study, the distribution and transmission system is "old and in serious need of replacement."

The City has since commissioned a six-year Capital Improvement Program that addresses below-ground infrastructure issues and establishes a 20-year improvement strategy. It is recommended that the City prioritize the implementation of the Capital Improvement Program and continue to closely monitor the condition of the water distribution system.

The distribution system includes over 7,200 valves. The City currently maintains valves as needed, but is transitioning to a preventative maintenance and replacement program that would require $500,000 annually according to the Water Reliability Study.

Also, there are currently 3905 hydrants in the water distribution system, many of which are more than 50 years old. In 2012, the City purchased 80 new hydrants and began a replacement program. Over the next 20 years, the City plans to assess, and regularly replace hydrants that are 25 years of age or older. The Water Reliability Study recommended that $500,000 be set aside annually for valve replacement and maintenance, and $250,000 be set aside annually for hydrant replacement and maintenance. The City should prioritize this funding in its Capital Improvement Program, and continue to explore outside funding sources to assist with the cost of maintenance and replacement.

Water System Efficiency

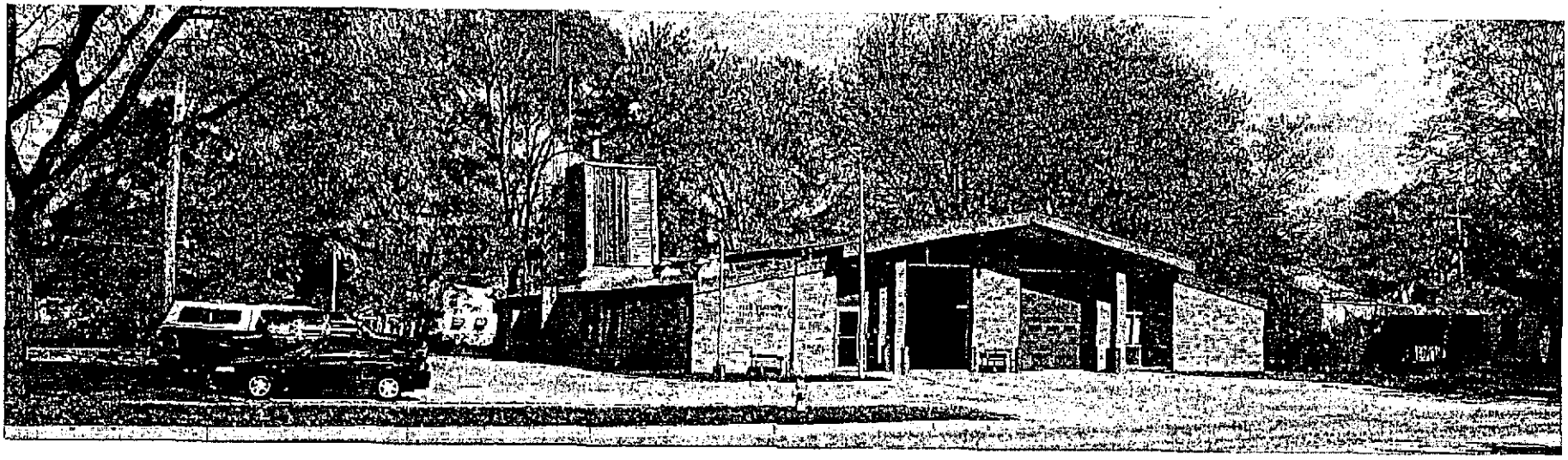
According to the Water Reliability Study, the City's water system is operating at approximately 68% efficiency, far below the typical 85-90% efficiency for other utilities. Reasons for the high-level of inefficiency include water withdrawn from fire hydrants, leaks and water main breaks, faulty or inaccurate meters, unauthorized connections, and unmetered municipal water use. Increasing the efficiency rate to 85% could result in savings up to $2 million annually.

The City should implement the following actions in order to create a more efficient water system:

- Complete a detailed "leak audit" of the City's water distribution system to determine where leaks are occurring, potential measures to mitigate the leaks, and costs associated with those measures.
- Prioritize the recommendations of the leak audit in the City's Capital Improvement Program.
- Implement an education and outreach campaign demonstrating to businesses and residents the need to reduce water usage and ways to do so through low-cost or no-cost changes in behavior and demand.
- Identify opportunities to incrementally discontinue water services in specific areas as they transition to less intense development or green space in accordance with the Land Use Plan.

Long-term Maintenance

The Water Reliability Study calls for the replacement of over 11 miles of major transmission water main, over one mile of minor transmission water main, and the replacement of 3,000 meters each year. This is in addition to the investment recommended for valve and hydrant replacement or maintenance described previously. The City should prioritize these improvements in its Capital Improvement Program, and consider their impacts on economic development, blight removal, reliability, coordinated infrastructure upgrades, and other broader goals when establishing the phasing of water system improvements.



Private Utilities

While the City of Flint is responsible for many public utilities and services, private utility companies play an important role in providing power and data technology infrastructure. The City does not specifically regulate or control these utility services. However, it should consider Consumers Energy, Exelon, Comcast, AT&T, Exede, and other power and telecommunications providers partners in providing Flint residents and businesses with high-quality services, including emerging services and technologies that will make Flint more competitive for economic and industrial development. The following are actions the City should implement in order to support the services of private utility companies:

- Enter into Municipal Franchise Agreements with private utility providers in order to ensure long-term use of the City's *rights-of-way* and comprehensive service provisions to all Flint residents.
- Consider ways to efficiently utilize City infrastructure to accommodate private systems *(i.e. fiber optic data lines running* through sewer mains).
- Coordinate infrastructure improvements to reduce the installation costs of utility upgrades.
- Advocate for quality services to all areas of Flint regardless of localized socioeconomic characteristics.
- Maintain a clearinghouse of private utility providers for residents *to understand options related to* desired services and costs.
- Assess the feasibility of free public Wi-Fi in Downtown Flint and other active commercial or residential areas.
- Advocate for infrastructure upgrades in priority economic development areas as a way of attracting business investment.
- Maintain publicly available *information comparing local* utility providers to peers in other communities in order to demonstrate their relative performance in terms of quality and cost.

WASTE MANAGEMENT *SERVICES*

In March 2013, the City of Flint outsourced municipal trash collection by entering into a multi-year contract with Republic Services, Inc. The City also sold its fleet of 20 garbage trucks to Republic for $1.5 million. This agreement will save an estimated $1 million annually.

Currently, Genesee County's municipalities and townships use a variety of public and private waste management providers (including Republic), creating inefficiencies and redundancy. To generate cost savings, the City should work with the County to explore the potential development of a unified Waste Management Authority. Such an authority would be a regional partnership that collectively develops or bids for one garbage provider. An authority's centralization of services and increased service volume can lead to lower costs, better recycling options, and more effective waste management for Flint.

*Other regions across the na-*tion have successfully executed similar models, including those of Saginaw, MI, Sacramento, CA, and Portland, OR.

In the past, the City has not been an active partner in the development and implementation of the state required County Solid Waste Management Plan, which regulates the collection, transportation, delivery, *and disposal of* solid waste in Genesee County. To lay the foundation for the creation of a potential Waste Management Authority, the City must become more involved in the development and implementation of the Solid Waste Management Plan and demonstrate a more collaborative spirit with the County.

Recycling Services

In April 2013, as a result of a new contract with Republic Services, Inc., Flint residents were once again provided curbside recycling. A similar City managed recycling program was terminated in 2001 due to budget cuts. While this new service is showing promise, participation rates remain low, leading to high-fixed costs.

The City and key environmental partners should work with Republic to increase resident *buy-in and awareness of recycling* opportunities. The City should also work to expand recycling to include all multi-family housing. By increasing the number of tons recycled annually, the City can be a responsible steward of the environment and reduce costs.

EFFICIENT CITY GOVERNANCE

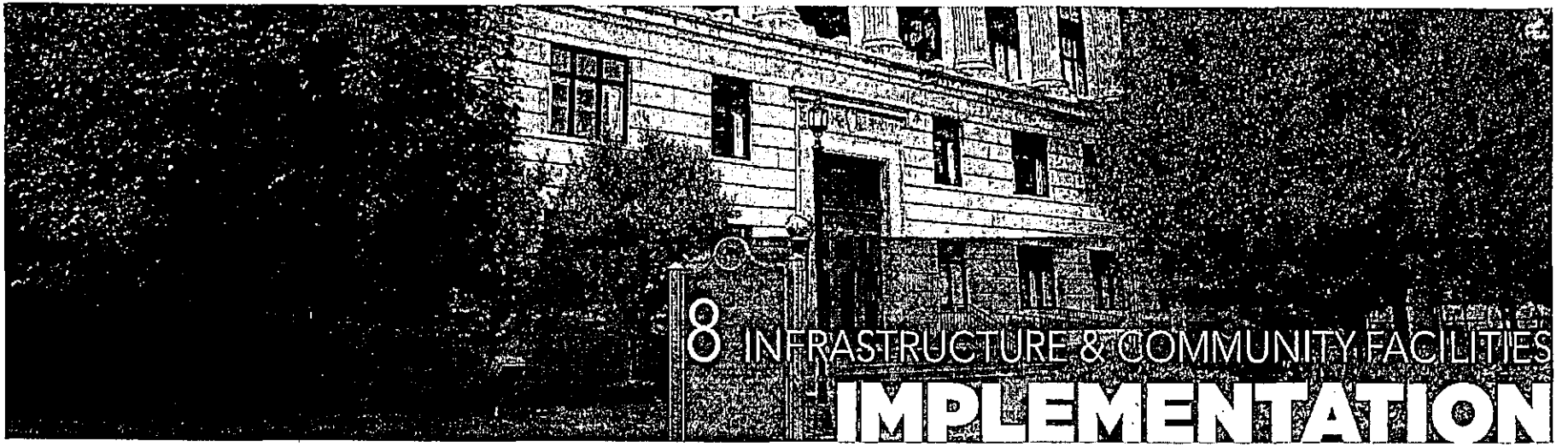
The Infrastructure and Community Facilities Plan identifies a wide range of infrastructure and capital improvement projects. Successful implementation of these projects will require a fiscally sound and strategic approach to city governance. The Master Plan is the first step in this direction. It is a model of transparency, the foundation for future community engagement, and the beginning of long-term strategy and *planning in City Hall.*

Multi-Year Budgeting

Under emergency management, the City has begun to practice multi-year budgeting and forecasting. This approach to budgeting should continue as it will enable the City to properly plan for large projects that can take more than a single fiscal term to complete and will provide a blueprint beyond immediate needs. In planning for the long-term health of the City's infrastructure, it will be important to have a firm understanding of anticipated revenues and what funds will be required to close the gap between need and financial capacity.

The City should implement a two-year budgeting process based on five-year financial projections and a five-year strategic plan. This strategic plan should be based on Master Plan recommendations, and should be made readily available to the public for review along with all financial information, to ensure the transparent use of funds.

Additional discussion regarding the use of the Master Plan to inform budgeting and other aspects of *City governance is located in the* concluding chapter, *Chapter 12: Moving Forward.*



8 INFRASTRUCTURE & COMMUNITY FACILITIES IMPLEMENTATION

This section presents the strategies needed to implement the goals and objectives of the Infrastructure and Community Facilities Plan. Taken together, the objectives and strategies included in this section provide specific direction and serve as a guide for the evaluation of development proposals and land use alternatives.

To provide the City with a reliable policy guide for decision-making, the objectives and strategies are based significantly on community input received through the master planning process. In addition to broad community input, these objectives and strategies are based on input from the 10-member Infrastructure and Community Facilities Advisory Group, Steering Committee, City officials, City staff, and observations and assessment from the Imagine Flint Project Team.

Implementation Matrix

The following Implementation Matrix groups strategies by topic within each objective and identifies anticipated time frame, relative cost, and the entities, including City of Flint departments and partner organizations, potentially responsible for the implementation. The matrix also identifies key metrics needed to track implementation progress.

Time Frame

A general timeframe is assigned to each strategy, considering the cost of various types of improvements and their ability to set other actions in motion. Generally, low-cost strategies with easy implementation are given the short-term time frame, though some other actions are given this designation based on their high-level of priority in meeting community objectives or ensuring the safety of residents.

Each strategy in the Implementation Matrix is indicated with one of the following:

- *Short:* low-cost, ease of implementation, directly addressing top priorities, or critical to the advancement of other strategies, and to be implemented within the next 1-5 years
- *Medium:* important actions that have some level of significant cost, and can be implemented within the next 5-10 years
- *Long:* actions that often require significant amounts of funding that must be planned for over time, or require other strategies to be completed prior to their implementation

Public Cost Estimate

Public cost estimate is represented by a scale ranging from $ to $$$. The costs in this column refer *only* to public costs. Below is a description of the cost scale:

- $: Actions that require primarily internal staff time requiring mostly regulatory changes, policy updates, or strategic partnerships with limited outside funding required
- $$: Actions that require outside consulting services assistance or relatively minor investment in infrastructure or project development
- $$$: Actions that require intensive planning, engineering, or design, and significant investment in infrastructure or project development

Responsible Entities & Partner Organizations

City government alone is not capable of implementing the Master Plan. This is a community vision which relies upon Flint's greatest assets, its people and community stakeholders to help implement desired aspirations.

With regard to citing those entities responsible for implementation, it should be noted that it is anticipated, from a policy standpoint, that the Mayor and City Council will be involved in the majority of these actions.

Where a City Department should be involved, that department has been listed. Where general administrative leadership is needed, the City of Flint has been listed. Strategies, such as recommended technical studies and analyses that would likely benefit from outside expertise, have also been highlighted.

Unforeseen Partnership Opportunities

Every effort was made to identify a comprehensive list of potential partner organizations for inclusion in the implementation matrix. As a community of over 100,000 with a rich history of volunteerism and over 100 foundations active in Genesee County, there may be instances where a deserving organization that is well-matched to one of the plan objectives or strategies, has been excluded from a list of potential partners for a given topic.

Similarly, there may come a time when a partner organization identified in the implementation table merges with another organization or otherwise ceases to exist. As with the rest of the Master Plan, the implementation table is a flexible document that should be regularly updated and revised to reflect the evolving needs and assets of the Flint community.

Progress Indicator

Key progress indicators have been provided for each strategy grouping. Progress indicators identify quantifiable metrics for which data should be available on a regular basis, and indicate desired trends for each metric. These indicators represent measurable achievements that move the City toward realization of Master Plan objectives. These progress indicators will enable the City to monitor its effectiveness at implementing plan recommendations.

INFRASTRUCTURE & COMMUNITY FACILITIES IMPLEMENTATION MATRIX

STRATEGY		TIME FRAME	PUBLIC COST ESTIMATE	DEPARTMENT / ORGANIZATION	PROGRESS INDICATOR
Objective 1	**Repair and right-size key neighborhood infrastructure to increase resident safety, quality of life, and efficiency.**				
Access & Infrastructure	Evaluate existing traffic patterns and densities on City streets to implement "road diets," or the narrowing of less traveled streets to reduce maintenance costs, increase visual appeal, and promote walkability.	Long	$$$	• City of Flint Transportation Division • MDOT	• Decrease in the number of lane miles of roadway
	Partner with neighborhood groups to identify sidewalks in need of repair or replacement and develop a streamlined system of prioritization and implementation.	Medium	$$		• Increase in number of miles of sidewalks improved or installed
	Construct new and repair existing crosswalks in key areas to promote walkability and safe passage.	Medium	$$		• Increase in number of ADA-compliant crosswalks
Neighborhood Facilities	Re-evaluate existing community centers and City park structures to ensure prioritization based on proximity to residents, overall demand, and location relative to other parks.	Medium	$$	• City of Flint Parks and Recreation • Flint Community Schools	• Increase in investment per capita in community centers and park structures relative to the population within a given service area
	Increase structural quality of neighborhood service centers (formerly police mini-stations).	Medium	$$		
	Partner with the Flint Community School District to market and repurpose vacant school sites for uses consistent with the Land Use Plan.	Medium	$$		• Increase in square footage of former school structures re-purposed for active uses
Objective 2	**Ensure longevity, reliability, and efficiency of City utilities.**				
Long-term Planning	Modify infrastructure, design standards and landscaping palettes to reflect anticipated changes in climate.	Short	$	• City of Flint Utility Division • City of Flint Parks and Recreation	• Decrease in the ratio of linear feet of active infrastructure to the population of Flint • Linear feet of utility lines or facilities analyzed, inspected, and recorded within the past 12 months
	Continue proactive development and execution of long-term infrastructure goals, capital improvement plans, and budgeting strategies.	Short	$		
	Coordinate gradual implementation of green spaces and lower density neighborhoods with the City utilities department in order to reduce fixed infrastructure costs and "right size" water and sewage piping.	Medium	$$		
	Leverage latest computer technologies to map all utilities and public services and make information readily accessible in a central database to City departments and key stakeholders for informed decision-making.	Short	$$		
Service Coordination & Infrastructure Planning	Work with Consumers Energy to assess existing lighting footprint and reorient light placement to meet current and expected future needs.	Medium	$	• City of Flint Utility Division • Private Utility Companies • Karegnondi Water Authority (KWA)	• Decrease in the cost per unit for the delivery of energy, water, and other utilities • Increase in the amount of permeable surface throughout the City • Decrease in the number of reported incidents of utility breaches caused by demolition or excavation
	Explore the viability of local energy or hot water districts that provide efficiencies to users and integrate green technologies for the creation and distribution of resources and services.	Medium	$		
	Implement new policies, in concert with the state, to diversify opportunities for managing rainwater.	Short	$		
	Continue development of the KWA pipeline and make necessary upgrades in water infrastructure – such as water treatment, pumping, and transmission piping – to maximize benefits of the new partnership and ensure adequate water access for residents.	Medium	$$$		
	Evaluate options from KWA development for moving towards a coordinated regional water distribution network.	Long	$$$		
	Strengthen coordination between demolition entities and City utilities, gas, and power companies.	Short	$		
	Establish a Solid Waste Authority with Genesee County as a way to reduce garbage costs.	Long	$$		
	Coordinate with neighboring communities, Genesee County, and service providers to explore new infrastructure opportunities.	Short	$		
Preventative Maintenance	Develop a comprehensive plan to address the City's six failing and/or obsolete dams along the Flint River.	Short	$$$	• City of Flint Utility Division	• Decrease on the linear footage of dams designated as hazardous
	Implement corrective actions for the City's sewer system – as prescribed in the December 2011 Sewer System Evaluation Study, funded by the Michigan Department of Environmental Quality – and continue planned repairs and upgrades over time.	Medium	$$$		• Decrease in the percentage of manholes impacted by inflow and infiltration
	Identify and implement techniques to divert some portion of rainwater from City infrastructure, such as rain barrels, on-site detention, permeable surfaces, etc.	Medium	$$		• Increase in the total acreage of private properties that utilize innovative stormwater management techniques
Objective 3	**Modernize City and community facilities.**				
Maintenance & Reuse	Coordinate all upgrades and repairs of City facilities such as City Hall, the Police Department, and the Fire Department with detailed priorities outlined in the Capital Improvement Plan.	Medium	$$	• City of Flint Utility Division • Police Department • Fire Department	• Decrease in energy and water usage for publically-owned facilities and properties • Decrease in the total number of days public facilities remain vacant or inactive
	Develop a City property disposition procedure to ensure the sale of unused City properties to responsible partners with a priority given to buyers and projects with a demonstrated public benefit.	Short	$		
	Recognize the public library as a key community asset and work with a wide range of partners to ensure its long-range sustainability.	Medium	$$		
Modernization & Performance	Embrace best practices in school design and the learning environment shown to increase academic capabilities of students.	Medium	$$$	• City of Flint Utility Division • Flint Community Schools • Local Non-profit organizations	• Increased investment in improved or expanded public facilities • Increase in the number of households or square feet of businesses with access to free wi-fi • Increased square feet of public buildings and properties that attain LEED Silver certification or better • Increase in ADA-compliant community facilities
	Partner with the county and key local stakeholders to fund the re-opening, repair, or expansion of select community centers, City pools, and recreational facilities, as necessary.	Medium	$$$		
	Work to develop free wireless Internet accessibility in key community areas.	Medium	$$		
	Implement green building techniques in public facilities in order to minimize reliance on infrastructure and respond to long-term climate change.	Medium	$$$		
	Development and implement an ADA Transition Plan for community facilities and infrastructure.	Medium	$$$		

INFRASTRUCTURE & COMMUNITY FACILITIES IMPLEMENTATION MATRIX

STRATEGY		TIME FRAME	PUBLIC COST ESTIMATE	DEPARTMENT / ORGANIZATION	PROGRESS INDICATOR
Objective 4	**Leverage green technology to reduce energy costs, improve air quality, and increase long-term sustainability.**				
Supporting Systems & Programs	Transition street lights from high-pressure sodium or mercury vapor bulbs to LEDs and utilize off-grid, solar power for generation in extremely low-density/high-vacancy areas.	Medium	$$	• City of Flint Utility Department • City of Flint Transportation Division • MTA • Private Utility Companies	• Decrease in the percentage of purchased power used to service municipal facilities and infrastructure • Increase in the percentage of households and businesses that have access to curbside recycling programs • Increased percentage of MTA and City vehicles that use clean burning fuels or electric power • Increased energy and water savings of improvements made to public facilities
	Expand participation in recycling and composting programs to reduce waste and strain on City garbage services.	Medium	$$		
	Increase awareness of water-conservation options in both City facilities and in the home.	Short	$		
	Work with MTA to expand their bus fleet using alternative energies.	Medium	$$		
	Partner with energy companies and local stakeholders to develop new creative financing opportunities for implementing green technologies that have high up-front costs but pay back savings over time.	Short	$		
Development Practices	Retrofit City and institutional properties, and site the latest in on-site energy generation such as geothermal, solar, and/or wind to reduce City energy costs.	Long	$$	• City of Flint Planning & Development Department • Local Colleges & Non-profit Organizations • City of Flint Utility Department	• Decrease in the percentage of purchased power used to service municipal and institutional facilities and infrastructure • Increase in the total square footage of white or green roofs
	Provide a toolbox for residents and business owners highlighting techniques for on-site stormwater management, energy reduction, reduced water usage, green building techniques, etc.	Short	$		
	Promote white topping of roofs & development of rooftop gardens.	Medium	$$		
	Encourage green site selection, site development, and building practices, as defined in the Land Use Plan.	Short	$$		
Objective 5	**Expand opportunities for blue infrastructure development.**				
Water Management	Utilize open spaces and surplus land, as defined in the Land Use Plan, for targeted absorption of rainwater to lessen stress on City sewers.	Medium	$$	• City of Flint Utility Department • Karegnondi Water Authority (KWA)	• Per capita increase in the amount of stormwater collected and managed on-site
	Capture and clean stormwater.	Medium	$$		
	Leverage creation of KWA pipeline to develop innovative blue infrastructure spin-off and economic development opportunities.	Medium	$$$		
Objective 6	**Develop and exectute a coordinated City network of street trees.**				
Urban Tree Canopy	Establish a list of appropriate plant materials that are resilient to anticipated climate change, and reference the plant list in public works standards and zoning regulations.	Short	$	• City of Flint Planning & Development Department • City of Flint Transportation Division • MDOT	• Increased number of climate-adaptive trees and landscape installations planted annually • Increased number of trees planted annually within 100' of highways and railroads • Increase in the number of trees and amount of landscape area in the public realm along arterials and collectors
	Implement carbon forest infrastructure around highways and railroads to minimize neighborhood air pollution and noise.	Medium	$$		
	Plant trees along main corridors to increase visual appeal, reduce pollution, mitigate storm water runoff, and counter blight.	Long	$$		
Objective 7	**Provide municipal services consistent with the Master Plan.**				
Coordination & Collaboration	Respond to place-specific needs based on the Future Land Use Plan.	Medium	$$$	• City of Flint Planning & Development Department • City of Flint Utility Department • Local Non-profit organizations	• Increase in the number of "hits" for on-line or printed information regarding the performance of City services • Decrease in the total cost of providing a continued level of services through consolidation or cooperation
	Improve citizen access to performance information and complaint resolution related to City services.	Medium	$		
	Simplify the City's departmental structure around Finances, Infrastructure, Planning and Development, and Public Safety.	Short	$$		
	Identify and examine opportunities for shared services.	Medium	$$		

INFRASTRUCTURE & COMMUNITY FACILITIES IMPLEMENTATION MATRIX

STRATEGY		TIME FRAME	PUBLIC COST ESTIMATE	DEPARTMENT / ORGANIZATION	PROGRESS INDICATOR
Objective 8	**Work with residents, businesses and other stakeholders to foster development of the City and its infrastructure in a manner consistent with the Master Plan**				
Organization & Information	Provide Flint residents and community volunteers with information and training that enables the capacity to create change in neighborhoods.	Short	$	• City of Flint Planning & Development Department • Local Non-profit organizations	• Increase in the number of trained neighborhood liaisons
	Establish a City of Flint Planning and Development Department responsible for leading and sustaining long-term planning, blight elimination, building safety, permitting/licensing and community/economic development.	Medium	$$		
Objective 9	**Operate in an open and financially stable manner, including improving citizen access, focusing on measurable results, improving the City's financial position, and eliminating accumulated deficits.**				
Responsibilities & Accountability	Establish a revenue estimating process that assures integrity in the budgeting process.	Short	$	• City of Flint Planning & Development Department • City of Flint Utility Division	• Decrease in annual discrepancy between budgeted and actual costs for various services or projects • Increase in the City's municipal bond rating
	Update and expand the City's financial information available online for public review.	Short	$		
	Establish a 2-Year Budget along with a 5-Year Financial projection and a 5-Year Strategic Plan.	Short	$		
	Review the City's Public Improvement Fund capacity for general infrastructure improvements, deficit elimination and bond financing.	Short	$		
	Support State Law changes to municipal financing in order to close the gap in the trajectories of future State revenue and local government revenue projections, including the option for an increase in the local income tax.	Short	$		

MASTER PLAN FOR A SUSTAINABLE FLINT

10 PUBLIC SAFETY, HEALTH & WELFARE PLAN

VISION P. 233

GOAL & OBJECTIVES P. 235

RECOMMENDATIONS & BEST PRACTICES P. 237

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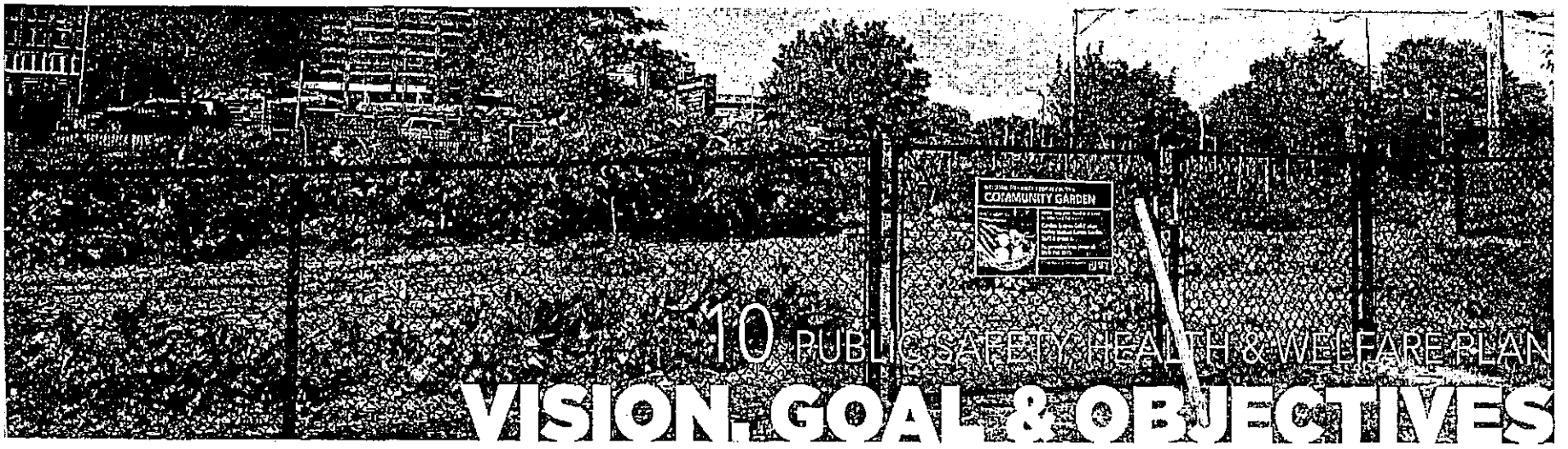


10 PUBLIC SAFETY, HEALTH & WELFARE PLAN
VISION, GOAL & OBJECTIVES

Imagine Flint as one of the safest cities in the country, with a proactive and technologically-savvy police force trusted by residents, and a coordinated partnership between law enforcement, residents, educators, social service providers, and public health officials to drive down crime.

Imagine Flint as a regional hub for fresh and locally grown produce, where a thriving movement of entrepreneurial growers transform vacant lots into gardens and provide healthy foods to schools, farmers markets, restaurants, and stores across the City.

Imagine all of Flint's youth growing up in stable neighborhoods that are clean, safe, and welcoming, patrolled by police officers known to residents and home to community centers providing around-the-clock activities and services for youth.

Over the next twenty years, Flint can achieve this vision. However, we must first face existing realities: Flint leads the nation in violent crime, relations between the police and the public are strained, many neighborhoods are saturated with liquor stores and blight, and too many residents lack a healthy diet of fresh foods and exercise.

The Public Safety, Health, and Welfare Plan is a road map to overcoming those obstacles and to actualizing a new community vision. By following the recommendations outlined in this chapter, Flint can become a safe and healthy place for all residents to live and thrive.

SOCIAL EQUITY & SUSTAINABILITY

Gun violence, mass incarceration, and negative health outcomes disproportionately affect low-income communities of color. By building trust between the police and residents, investing in our at-risk youth, and providing the tools necessary for living a healthy life, Flint can reduce inequities and become one of the healthiest and safest communities in Michigan.

QUALITY OF LIFE

Public safety and health are fundamental pieces of overall quality of life. Neighborhoods should be safe, secure environments that lead to prosperous individuals, positive social interactions, and lifelong healthy behaviors.

YOUTH

Children and young adults are disproportionately affected by unsafe and unhealthy environments. Actively engaging the City's youth has significant effects on reducing crime, decreasing unhealthy behaviors, and promoting positive choices during adulthood. We must provide our youth with safe environments in which to live, learn, and play.

RESHAPING THE ECONOMY

The welfare of a community has dramatic effects on economic growth. Crime and the perception of crime stifle investment, while employers seek healthy, reliable workers. In Flint, the healthcare and medical industries are also major drivers of the economy, and the development of a robust local food system will lead to job growth.

ADAPTING TO CHANGE

Negative trends in health and crime statistics are symptoms of the changes that have occurred over the past few decades. Moving forward, Flint must develop new approaches to solve persistent, longstanding problems. This includes treating crime as a public health epidemic and recognizing that key investments must be made in not just law enforcement, but also education, healthcare, and social services.

CIVIC LIFE

Community health and safety are intertwined with a thriving and dynamic civic life. Safe and active public places allow opportunities for interaction and discussion among neighbors that would not happen otherwise. Similarly, healthy outdoor activities such as running or hiking, as well as team sports such as football or baseball, bring people of different backgrounds together and increase civic camaraderie.

GOAL

Flint will be a safe and healthy place for all residents and visitors.

GUIDING PRINCIPLES

The ways in which the Goal & Objectives of the Public Safety, Health & Welfare Plan have been influenced by the guiding principles are indicated using the following symbols.

- ○ Social Equity & Sustainability
- ◉ Reshaping the Economy
- ○ Quality of Life
- ◔ Adapting to Change
- ● Health
- ◔ Civic Life

Objective #1

Eliminate environmental contributions to crime.

Demolishing abandoned homes, fixing broken street lights, and shuttering liquor stores out of compliance with the law shields our youth from harm and increases overall quality of life. Smart urban design, community partnerships, and city planning can also facilitate more "eyes on the street," thus reducing the likelihood of criminal activity.

○ ●

Objective #2

Build trusting relationships between police and residents, empowering citizens to contribute to the safety of their neighborhoods.

A trusting partnership between police, residents, and local stakeholders is critical in preventing and solving crimes. Expanded community policing activities, consistent two-way communication, and strategically located neighborhood service centers will empower residents to actively work with the police in their neighborhood to ensure safe streets.

○ ○ ● ◉

Objective #3

Develop a state-of-the-art, efficient, and proactive public safety departments.

Flint's police and fire departments must be fully staffed and modernized with high-tech equipment to become efficient, well organized, data driven, and proactive. By developing close partnerships with other public safety bodies and arming officers with state-of-the-art tools, our police can aggressively deter criminal activity and quickly solve crimes.

○ ◉

Objective #4

Reduce gun violence, violent crime, and arson.

Flint must overcome its reputation as one of the nation's most violent cities. While remaining tough on violent crime, we must also recognize that Flint cannot "arrest its way out of the problem." As such, the City and local law enforcement should take a holistic approach through partnerships with community organizations and social services, health providers, and educators to offer alternative paths to at-risk youth and ex-offenders.

Ridding the streets of illegal guns and violent criminal activity will not only save lives, but stabilize families, stimulate economic investment, increase physical and mental health outcomes, and reduce social inequities.

○ ○ ●

Objective #5

Ensure universal access to quality healthcare services and facilities.

All citizens deserve quality, accessible, and affordable health services. Residents must be made aware of the extensive network of existing health programs, insurance enrollment opportunities, and preventative care services available to them. While the City's role in healthcare is very limited, it should actively support policies, practices, and funding opportunities that expand services and the accessibility of facilities as well as positive health outcomes.

○ ●

Objective #6

Develop a local food system.

Transforming vacant lots into gardens or urban agriculture plots is a creative re-use of land that produces affordable fresh foods for residents. A new network of local and sustainable growers also reduces "food deserts," creates jobs, and provides valuable health and civic benefits to the community.

○ ○ ○ ○ ● ○

Objective #7

Promote exercise and active lifestyles.

Improvements in the City's built environment – such as increased walkability, more miles of bike lanes, and enhanced Flint River recreation – facilitate exercise and healthy behaviors. Active lifestyles increase health and happiness, and provide our youth with numerous extracurricular and recreational activities.

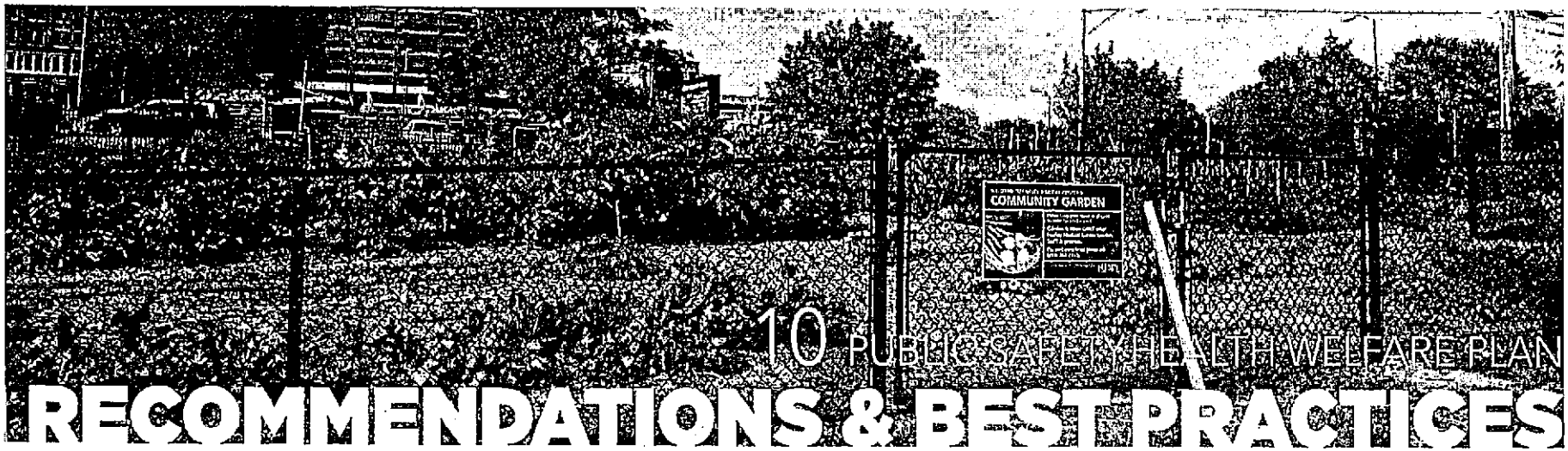
○ ●

Objective #8

Provide youth with a safe and healthy upbringing.

Flint must protect its youth from harm and align resources to invest in their future. By reducing child poverty, educating students about healthy lifestyle choices, and preventing at-risk youth from criminal activity, we can ensure that our next generation of leaders are healthy, properly educated, and fully prepared for adulthood.

○ ●



10 PUBLIC SAFETY, HEALTH, WELFARE PLAN

RECOMMENDATIONS & BEST PRACTICES

The Public Safety, Health, and Welfare Plan addresses Flint's most critical social issues.

Crime affects not only the everyday quality of life for Flint's residents, but also the City's regional and national perception. Moving forward, increasing the safety of residents will be dependent upon providing adequate resources to our at-risk youth; finding innovative new strategies, technologies, and partnerships to prevent crime; and sustaining effective, proactive, and responsive police and fire departments. Success can only be achieved by strengthening collaboration between City staff, State and County officials, community organizations, social service providers, and concerned residents.

Health and welfare are closely linked to other important chapters of this Master Plan. Access to local healthy foods will be fostered by strategic long-term land use policies and equitable economic development strategies. Active recreation and access to the environment will be dependent upon the availability of quality open spaces, and the preservation of the Flint River and other ecosystems.

Healthy transportation choices will rely on investment in sidewalks, bike paths, and supporting systems that provide full accessibility to all residents, regardless of age or level of mobility. Social service providers and community organizations must reinforce agencies and institutions that provide health care and education. Through this holistic and collaborative approach, the Flint community will be empowered to instill positive change that leads to a healthier population and a higher quality of life.

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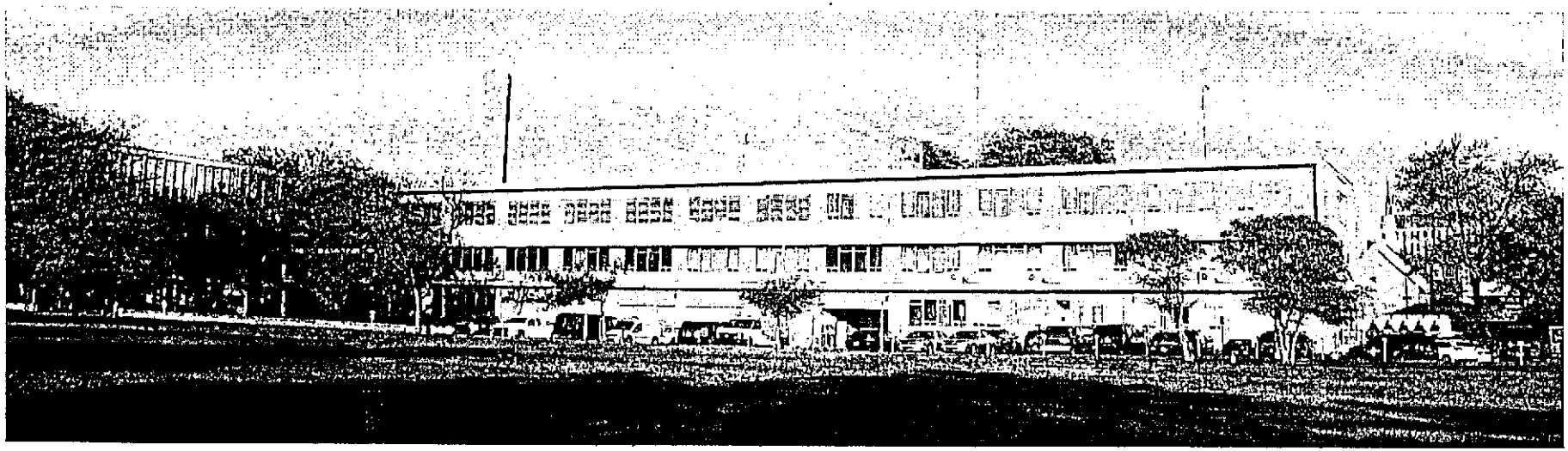


STATE-OF-THE-ART POLICE & FIRE DEPARTMENTS

The Flint Police Department (FPD) and Fire Department (FFD) make the best use of limited funding, but face staffing and equipment shortages that hinder their ability to adequately protect and serve the public. A top priority of the City should be to identify new revenue streams that can help sustain adequate personnel levels.

That said, given the uncertainty of funding in the future, it is more important than ever to find innovative new methods of reducing crime and arson with limited resources. This may include deepening patrol and investigative partnerships with other law enforcement agencies, developing strategic relationships with community groups, engaging youth, and embracing new technologies that can more efficiently deploy resources and stop criminal and arson activities before they happen.

Public Safety Budget

The revenue for the Flint Police and Fire Departments is primarily drawn from the City's General Fund. Overall, 80% of the General Fund is allocated to public safety, which includes funding for 9-1-1 operations and the District Court. Although the City maintained a balanced budget during the 2013 fiscal year, long-term public safety funding is not stable. Deficits are projected in the future and significant parts of police and fire operations are funded through grants that will eventually expire.

In November 2012, Flint voters authorized a property tax increase that is projected to raise $5 million annually for public safety. The increased tax levy will help mitigate staff losses and bring more stability to personnel levels that currently are dependent on short-term grant funding. With property values in the City continuing to decline, the identification of new sources of funding, including increased property taxes, increased income taxes, state revenue sharing, and grant funding is crucial for providing basic public safety services.

Staffing & Collaboration

According to a year-long study conducted by Michigan State University, both the Police and Fire Departments are understaffed, causing inefficiencies in delivering effective service. Budget cuts have forced the City to layoff police officers and firefighters over the past five years. In 2013, the City employed 129 police officers, compared to 265 officers in the 2008 fiscal year. Currently, the City has just 1.2 officers per 1,000 residents, which is lower than Detroit (4 officers per 1,000 residents), Grand Rapids (1.6), and Lansing (1.9). According to the report, the ratio of violent crimes to detectives is 118:1, twice as high as any comparable city.

Insufficient staffing levels make it difficult for the FPD to implement proven crime-fighting strategies, including a community policing strategy. Furthermore, the inadequate staffing levels are causing police response times to rise. The number of detectives on staff is also very low at just 15, especially when compared to the high amount of violent crime investigations.

Collaboration amongst law enforcement agencies increases the efficiency and availability of officers to spend time in Flint's neighborhoods. Security personnel for some institutions and agencies already extend their patrols into surrounding neighborhoods. The FPD should collaborate with institutions throughout the City to promote the cooperation of security teams in their patrol areas. Potential institutions to develop partnerships with include University of Michigan – Flint, Kettering University, Mott Community College, and Hurley Medical Center.

Secure Cities

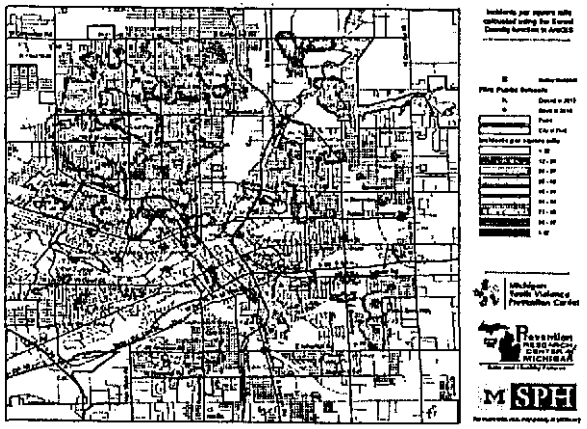
In early 2012 Governor Rick Snyder proposed his Secure Cities Partnership Plan. Under the Plan, Michigan State Police officers have been assigned to assist local law enforcement in four Michigan cities – Flint, Detroit, Pontiac, and Saginaw. More than 30 troopers and detectives in Flint are helping to coordinate teams of local, state, and federal law enforcement officers conducting directed patrols and providing investigative resources. Secure Cities has been a successful example of how the Flint Police Department can work with other agencies to supplement local efforts, and the City should explore similar opportunities with other agencies in the future.

Auxiliary/Reserve Force

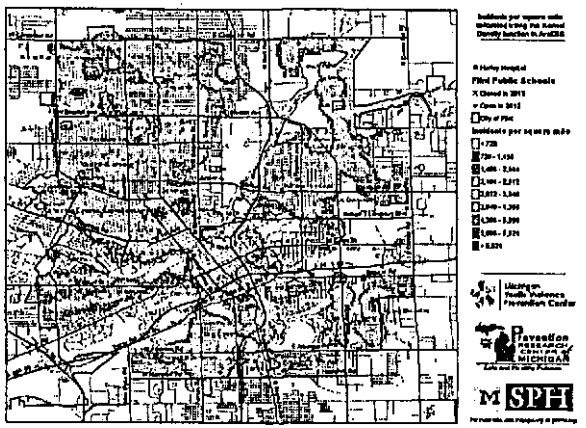
Auxiliary police, sometimes called special police, are part-time reserves for a regular police force. The structure and composition of auxiliary forces can vary, with officers being armed or unarmed, paid or volunteer. They usually have the power to make arrests, but may be limited in other regular police capacities. Auxiliary forces are often called upon to assist Police Department officers during weekend shifts, summer months, or special events. There are currently four Volunteers in Police Service (VIPS) programs operating in Genesee County.

The City should explore the creation of an auxiliary police force to help alleviate the FPD's staffing shortages. This force would be a third option to accompany expanding the FPD and implementing more informal community policing programs discussed later in this chapter.

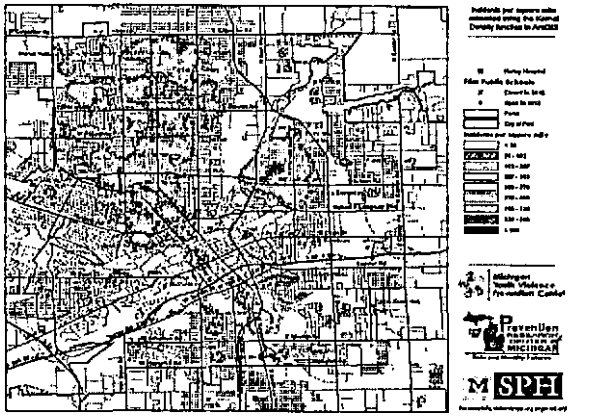
Homicide Offenses, 2005-2011



Assault Offenses, 2005-2011



Arson, 2005-2011



An example of collaboration and data-sharing, the University of Michigan's Prevention Research Center in the School of Public Health produced a report that analyzed crime in the City.

Embracing Data & Technology

With access to complete, up-to-date data sources, the City, the FPD, and community members have more resources to develop the best possible solutions and alternatives to address Flint's crime problems. Crime statistics are occasionally reported in Flint, but not routinely. The FPD and FFD should collect and manage comprehensive crime and fire statistics for the entire City. Data should be routinely tracked, some made publicly available, and used to inform decisions and provide benchmarks for progress. The Police and Fire Departments should develop a comprehensive data and information strategy that uses crime and staffing statistics to assess department needs and determine the spatial deployment of officers and firefighters.

A number of versatile technologies are available to the Police and Fire Departments to assist them in fulfilling their primary missions. Since new technology is constantly being developed, the following examples do not represent a comprehensive list of systems that Flint agencies should adopt, but merely illustrate the types of technology that have been successful elsewhere.

DDACTS

Data-Driven Approaches to Crime and Traffic Safety (DDACTS) are the basis for most of the new technology approaches to increase the efficiency of public safety. DDACTS is a general term for any approach to crime prevention technique which uses data linked to a geographical location to understand where crimes typically occur and predict where they will happen in the future.

Some examples of technology available for municipal law enforcement are:

CompStat

A DDACTS called Comparative Statistics (CompStat) has been implemented in major U.S. cities like New York, Washington, D.C., Los Angeles, Baltimore, and others. The effectiveness of this approach depends on many different factors, but as an example, the preliminary results of the implementation of CompStat within the Baltimore County Police Department show that over the first three months, thefts declined by an average of 27%, crashes declined by 25%, and 49% more vehicles were stopped. If implemented correctly, this kind of data usage can prevent and reduce crimes more efficiently and proactively.

FARS

Fatal Analysis Reporting Systems (FARS) is an online data system run by the National Highway Traffic Safety Administration. It utilizes a concept similar to CompStat to link all fatal car crashes to a geographical location in hopes of future prevention. FARS attaches supporting information to these events, such as victim ages, time of incident, and the cause of the incident (driving under the influence, speed, etc.), to better identify unsafe road conditions and make better predictions about the likelihood of future incidents.

CAD

Computer-Aided Dispatch (CAD) consists of a central computer linked to smaller portable computers used in the field. These systems can include features such as incident information, location verification, time-stamping, and incident dispatch linked to the location of an officer for efficient dispatch and shorter response times. New patrol cars are being equipped with features that have this technology for more hands-free capability. These vehicles are already being used in Flint. The benefit of this kind of technology is that it can be implemented in phases in order to reduce the initial costs.

ShotSpotter

ShotSpotter is a system used as a direct defense against gun violence. The system requires the installation of acoustic surveillance equipment throughout an area, to pinpoint the precise location of a gunshot in real time. This system provides immediate alerts without anyone needing to call 9-1-1. It can report the exact time and number of rounds fired, as well as the shooter's position, speed, and direction of travel. This system can be a huge benefit to any community looking to reduce and prevent gun violence and has already helped communities such as Milwaukee, Wisconsin; Omaha, Nebraska; and South Bend, Indiana.

Citizen Communication

9-1-1 Consolidation

Another prospective opportunity for collaboration and technological upgrade is the consolidation of emergency dispatch services. Currently, Flint and Genesee County are served by three separate 9-1-1 call centers. Collapsing centers into one regional call center can reduce redundancies.

Citizen Reporting

When used in tandem with non-9-1-1 call centers, citizen reporting systems can also help streamline incident reporting and eliminate wasted resources. The Desk Officer Online Reporting System (DORS), a popular case management software from a company called Coplogic, is one such system that enables agencies to collect reports from citizens online. DORS reduces the need for personnel to handle every incident report and gives citizens a convenient way to report minor incidents, crime tips, and submit forms through an online service available 24 hours a day. The FPD already utilizes DORS, but many residents do not know about the system. The City should build community awareness of the citizen reporting system in conjunction with other public safety outreach measures.

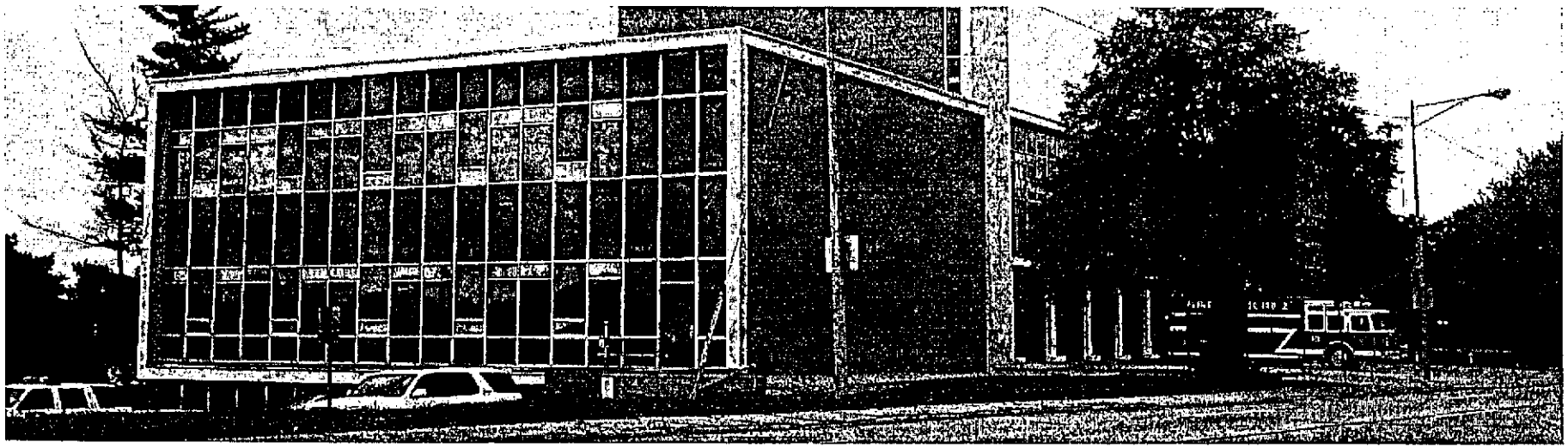
Institutional Partnerships

Since systemized information reporting requires staff and budgeting, the FPD should consider leveraging institutions like University of Michigan-Flint and Kettering University, as potential resources for collecting and synthesizing data. This would provide students with material for crime education as well as create a partnership between the FPD and local universities.

Such partnerships are already proving useful. For example, the University of Michigan's Prevention Research Center published a data report for crime in Flint in 2011. According to that report, there was a total of 17,312 criminal incidences between January 1st and December 31st, 2011. Assault was the most frequent offense, with one occurrence per 21 residents in Flint. The study utilized incident reports to map the general locations of crimes and identify potential "hotspots" of criminal activity throughout the City. Density maps were created for several types of crime reported between 2005 and 2011. This analysis can be used directly by the FPD to help managed its resources effectively.

Training & Software

The most advanced crime prevention technology is meaningless if its operators cannot use it properly. Flint's police officers, firefighters, and support staff need continual training to appropriately use and maximize the benefit of any new data analysis techniques and technology that the City's agencies adopt. Beyond simply purchasing new gadgets, the FPD, FFD, and other agencies must also make a cultural shift to embrace this new style of operation.



Arson Prevention

The Flint Fire Department (FFD) has inadequate resources to promptly respond to all calls for service. Annual budget shortfalls have led to the closure of several stations, and a decrease in the number of firefighters on staff. The number of arsons began to increase in 2010 after budget cuts resulted in the layoffs of firefighters. As a result of these shortfalls, the FFD has a fire insurance rating of 5 out of 10, which is worse than surrounding communities.

The City should take a three-pronged approach in working with the Fire Department to decrease arson in Flint. First, the City should assist in the prevention of arson. This may include the continued demolition of dilapidated or condemned housing that may be a target for arson, neighborhood watch programs, outreach and awareness, and special events. Second, hire additional staff to better meet Flint's public safety needs. Third, the City should assist the Fire Department in extinguishing fires by ensuring roadway connectivity to all portions of the City and maintaining water service with reliable infrastructure, hydrants, and water pressure.

The majority of arsons in Flint occur in dilapidated or abandoned homes. Prioritizing the demolition of these structures should be the City's primary strategy to reduce arson. More information about blight elimination can be found in ***Chapter 5: Housing and Neighborhoods Plan.***

Utilizing the United States Fire Administration (USFA)

The United States Fire Administration (USFA) is a strong resource for reducing arson rates. Established by the Federal Emergency Management Agency (FEMA) in 1984, the USFA's mission is to reduce deaths, injuries, and property losses due to arson. The strategies outlined below utilize USFA information and resources regarding arson prevention, Fire Department funding, and firefighter training.

Awareness Programming

The City should provide citizens with tools to reduce the incidence of arson. The following strategies outline ways of combating arson:

- The City should participate in the USFA Arson Awareness Week (AAW) in early May. The program promotes awareness of arson issues and provides citizens with measures to safeguard their home from arson. Each year, the AWW has a specific theme. The theme for 2013 was "Reducing Residential Arsons."
- The FFD should work with Flint Community Schools to implement fire prevention programs that educate school children about the danger of fires. According to the USFA, some of the main motivations for arsons are curiosity, vandalism, or simple excitement. Educating children on the dangers of fires and their harmful results will help reduce arson driven by these motivations.
- The FFD should develop a community Arson Watch Program. Like the existing successful community policing programs, this program would educate members on how to recognize and report suspicious activities.

Fire Department Programming and Training

The FFD should utilize USFA programs and other techniques for arson prevention. USFA programming provided for local fire departments can include:

- *Fire/Arson and Explosion Investigation Curriculum* The USFA provides numerous courses for local fire departments that are designed to provide critical knowledge and skills to investigate fires, identify potential arson-related crimes, and prepare cases for successful prosecution in court.
- *Arson Module* Fire service and law enforcement agencies can develop and implement arson prevention initiatives, allowing them to use their resources in the most efficient and effective manner. The module can assist the FFD in the assessment of arson cases and create a comprehensive database to record potential arson trends. Identifying trends will allow the Fire Department and Police Department to develop a needs assessment for neighborhoods that need to be patrolled more frequently.

Funding Opportunities

In May 2012, the City received a $6.9 million Staffing for Adequate Fire and Emergency Response (SAFER) grant from the Federal Emergency Management Agency (FEMA); a grant which aids fire departments that struggle to meet standards for staffing, response times, and other operations. The grant money saved 32 firefighter positions in Flint and required the hire of seven new recruits.

The USFA offers additional grants for fire department activities that the City could pursue to pay for equipment, staffing, and fire prevention measures. The other core grant programs of the USFA are:

- *Assistance to Firefighters* Grant Funding from the Assistance to Firefighters Grant (AFG) can be utilized to purchase vital equipment, protective gear, emergency vehicles, training, and other important resources needed to protect the community from fire hazards. The grant is made available to fire departments and nonaffiliated emergency medical service organizations.
- *Fire Prevention & Safety Grants* The Fire Prevention & Safety Grants (FP&S) assist with funding for projects that take preventative measures against fire and related hazards. Populations with a high-risk of injury or death by fire-related hazards are the primary target of the program.
- *Other Funding* There are many other funding alternatives and grant programs available through the USFA. Additionally, USFA provides thorough informational resources and guidelines about alternative funding mechanisms, including local revenue, State and Federal funding programs, and private-sector sources, as well as how to access those financial resources.

CITY OF FLINT

Public Safety Facilities

The foundation of the City of Flint's community policing policy is the idea that "public safety is everyone's responsibility." The community policing policy encourages the Police Department to establish relationships with the neighborhoods they serve, partner with residents to identify potential issues, leverage community organizations and volunteers, and take preemptive action to prevent crime.

Abundant interaction points between the police department and the community are a key element of community policing. For the model to work correctly there should be physical points of contact in every neighborhood. Flint employs the use of neighborhood service centers (formerly police mini-stations) to maintain a visible presence, provide limited services to their surrounding areas, and serve as an interface between residents and police.

The City should ensure that public safety facilities, including police stations, fire stations, and neighborhood service centers, are located and staffed to minimize emergency response times to all areas of the City. Areas designated as residential place types in the Land Use and Development section of this Master Plan should be given priority when services and facilities are planned.

Place Types with a Residential Component

- Green Neighborhood
- Traditional Neighborhood
- Mixed Residential
- University Avenue Core
- Downtown District
- Neighborhood Group Jurisdiction

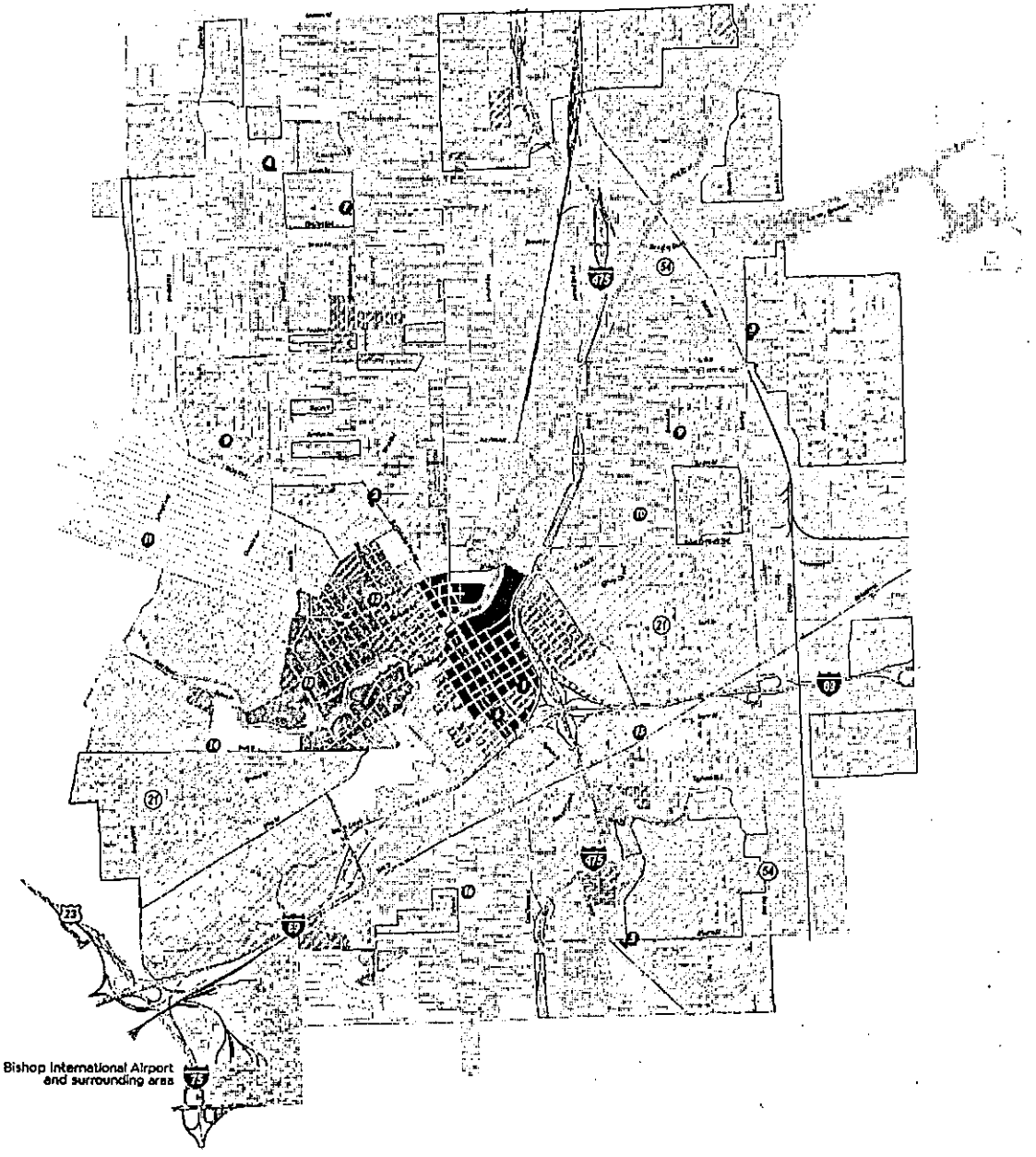
Public Safety Facilities Inventory

Public Safety Facilities

1. *Flint Police and Fire Department (Station #1)*
2. *Fire Station #3*
3. *Fire Station #5*
4. *Fire Station #6*
5. *Fire Station #8*
6. *Genesee County Jail*

Service Stations

7. *Northend*
8. *Haskell (closed)*
9. *Eastside (closed)*
10. *Kearsley Park/Mott Community College*
11. *Ballenger Highway*
12. *Hurley*
13. *Kettering*
14. *Westside (closed)*
15. *Howard Estates (closed)*
16. *Southside*



CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN

A 2011 study of Flint residents revealed that 77% of respondents were either "somewhat fearful" or "very fearful" of crime in their neighborhood. A well-designed, clean, and activated public realm can lead to a reduction in both the perception and occurrence of crime. Instead of installing security cameras, speed radar, or other traditional and costly policing methods, several key components of "Crime Prevention through Environmental Design" (CPTED) aim to preemptively deter criminal activity, increase safety, and reduce fear in a potential crime hotspot. The City should develop CPTED strategies through zoning changes, City ordinances and policies, public awareness campaigns, and financial incentives.

Key CPTED concepts include:

- *Territoriality* Signs, fences, or artwork should be used to promote a sense of ownership of a given space.
- *Natural access control* Geographic barriers, landscaping, and gateways that delineate transitional, public, private, and semi-public areas can restrict access to crime-prone areas.
- *Informal surveillance* The strategic placement of buildings, windows, roads, and walkways, as well as activating public spaces through regular use, maximize the visibility of people, parking lots, vehicles, and the overall site. More bystanders with "eyes on the street" create a space that is unsuitable for criminal activity.
- *Regular maintenance* Proper upkeep (mowing the lawn, trimming landscaping, regular and thorough trash pick-up, road maintenance, fixing broken fixtures) instills pride in a space and indicates that criminal activity is unwelcome.

BENEFITS OF CPTED

In a Philadelphia precinct, burglaries and thefts dropped by 90% after police helped neighborhood volunteers clean up vacant lots and plant gardens. Crimes in the neighborhood averaged at only four per month compared to the previous 40 crimes per month.

Demolition, Code Enforcement & Blight Court

As a corollary to the principles of CPTED, areas plagued by poor property maintenance and vacancies can foster criminal activity and create a perception of crime. Such blight sends a clear signal to criminals that laws will not be enforced, while also making residents feel endangered and uncomfortable. Strategic demolition of blighted properties and strict code enforcement should be integral parts of Flint's crime reduction strategy.

Blight reduction strategies including demolition, code enforcement, and blight courts are described in detail in *Chapter 5: Housing and Neighborhoods Plan.*

COMMUNITY PARTNERSHIPS

Flint's public safety problems can't be solved by reactive law enforcement alone. Instead, the City and its public health and safety partners must work together on an approach that involves preventive programs alongside traditional ones. A new proactive, data-driven law enforcement apparatus must include community organizations including neighborhood groups and faith-based organizations, social service, health, education, and workforce development stakeholders in every step of the process.

Public agencies cannot achieve Flint's public health and safety goals alone. Residents and businesses must also be willing to invest in their neighborhoods to make Flint safe, healthy, and livable. Community involvement in law enforcement has a long history in Flint, and should have a prominent place in its future.

Community Policing

The foundation of Flint's community policing policy is the idea that "public safety is everyone's responsibility." This policy encourages the Police Department to establish relationships with the neighborhoods they serve, partner with residents to identify potential issues, leverage community organizations and volunteers, and take preemptive action to prevent crime. This approach is aimed at producing a cooperative, proactive policing strategy that is tailored to meet the unique needs of each neighborhood.

The City of Flint was a community policing pioneer in the 1970s, with a network of organizations and crime watches effectively protecting the City. However, this approach was put aside in the 1980s when foot patrols were replaced by vehicular patrolling.

Today, both residents and Police Department representatives have expressed a strong desire for a return to community policing, but staff and financial shortfalls at the FPD have slowed down implementation.

A community policing approach should be re-implemented in Flint, but the FPD's resources cannot currently provide the staff, time, and budget required. There are a high number of community organizations and programs dedicated to addressing crime in Flint like Flint Lifeline and the Police Athletic League (PAL). These organizations could be key players in a community policing strategy, but are not fully leveraged. The following approaches can be taken toward implementing community policing within the limitations of City resources.

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Community policing must be fully supported and continually sustained by the City to be effective. Beyond funding challenges that must be addressed over time, the ideals of community policing must become a core element of the way the City and its departments function and interact with the public. Within the FPD, community policing should be embraced at all levels, from the Chief of Police to officers, detectives, administrative staff, and others. All other agencies and departments within the City should support the concept and collaborate with each other on its implementation.

Source: Flint & Genesee Chamber of Commerce

Leveraging Community Volunteers

The City of Flint benefits from an extremely engaged community. Volunteers and neighborhood organizations are a valuable asset, and should be utilized as a way to involve citizens in law enforcement and complement FPD efforts. An umbrella program called the Blue Badge Volunteer Corps was established by the FPD in 2009 to recruit and engage citizen volunteers in public safety. The program includes more than 40 community-based organizations and over 150 trained volunteers. However, the Blue Badge program experiences difficulties in recruitment and the effective use of resources.

The City should explore strategies to recruit, connect, retain, and utilize volunteers effectively and efficiently, such as a year-round recognition program for volunteer efforts, expanded use of social media, or a campaign to promote community service as a core part of what it means to be a citizen in Flint. In addition to individual citizen involvement, many community organizations provide crime prevention support.

In order to better serve the populations they are intended to serve, the City should take an active role in coordinating the region's non-profit organizations and foundations resources to improve communication between these organizations and their target populations. This notion is discussed in more detail at the end of this chapter.

Opportunities for Neighborhood Interaction

Abundant interaction points between the Police Department and the community are a key element of community policing. For the model to work correctly, there should be physical points of contact in every neighborhood. Traditionally, this has been accomplished through the utilization of foot patrols in assigned areas. However, there are other methods of creating these points of connection.

Flint employs the use of neighborhood service centers (formerly police mini-stations) to maintain a visible presence, provide limited services to their surrounding areas, and serve as an interface between residents and police. These centers are used for community activities and training programs, and also serve as accessible locations for citizens looking to report criminal activity or seek information. Currently these centers are staffed by volunteers.

This model should be maintained since, unless additional funding is identified, it is impractical for the City to provide full-time staff at all centers.

Blue Badge volunteers should be utilized to staff the neighborhood service centers. To further enhance citizen-police communications, police officers should be encouraged to regularly attend meetings hosted by neighborhood associations or community organizations. Ideally, the same officer would attend all meetings in a general geography so that meaningful relationships can be forged with that particular neighborhood. In order to avoid extended shifts and over-time pay, "flextime" could be utilized to offset when officers go to meetings, shortening other shifts in exchange.

Holistic Partnerships

An active and engaged non-profit and philanthropic community are important assets in achieving the desired public safety and health objectives and strategies.

The City should seek creative ways to make use of the great resources available to address Flint's crime issues. Law enforcement must work with social services, education, workforce development providers, as well as businesses to develop true community partnerships to prevent crime and reduce repeat offenses.

Wrap-around Neighborhood Centers

To provide needed community services and enhance sense of community, the City should promote the development of "Wrap-around Neighborhood Centers" throughout the community.

Located primarily within the Neighborhood Center and City Corridor place types that provide for the day-to-day retail and service needs of local residents, wrap-around centers should provide a variety of different services to the community from one central location.

Such a facility could be used as a health facility, an entertainment venue, a place of learning, social services office, or a recreation center. Wrap-around centers are an effective way of tackling crime prevention efforts at all levels, but also in coordinating and leveraging resources and filling gaps in neighborhood services.

Neighborhood Services

Wrap-around Neighborhoods Centers could serve as an anchor of well-being, filling gaps in services and ensuring that every neighborhood is equipped with tools to create a supportive environment. They can provide safe, supervised places for youth during after school and evening hours, a place for neighbors to meet and socialize, a place for senior adult programs, a place of accessible health and mental services, a safety facility, a much needed space for neighborhood and other group meetings, and space for various programs such as art, fitness, yoga, and after school programs.

Community Engagement

Additionally, Wrap-around Centers could serve as anchors for outreach and engagement. Moving forward, as the City evaluates the implementation of Master Plan recommendations at the neighborhood scale, wrap-around centers could provide the venue and physical anchor for ongoing outreach efforts to ensure that community concerns are properly heard and addressed.

Locating Wrap-Around Centers

The City should work with its partners to explore potential locations for Wrap-around Neighborhood Centers. Several of Flint's neighborhoods have experienced school closures which have strained local sense of community. The City should partner with the Flint Community Schools to evaluate the potential for the adaptive reuse of vacant school buildings as Wrap-around Neighborhood Centers. Already centrally located and community based, the school buildings could provide a low-cost option for future centers as well as transform underutilized spaces into valued community assets. For more on the adaptive school reuse, see *Chapter 8: Infrastructure and Community Facilities Plan.*

JOY TABERNACLE CHURCH

Located within Flint's Civic Park Neighborhood, Joy Tabernacle Church is a stabilizing community anchor that combats blight, promotes youth development, and collaborates on job training programs. Led by Pastor Robert McCathern, their efforts to "re-vision abandonment" through blight elimination techniques have begun to transform one of Flint's most blighted neighborhoods into one of stability and visual appeal.

A member of the Genesee County Land Bank's Clean and Green program, Joy Tabernacle maintains over 80 properties annually while employing neighborhood youth between the ages of 16 and 24. In collaboration with the Land Bank, they have also launched a pilot program that covers the windows of abandoned houses with vinyl images, giving the appearance of occupancy and attention. Their leadership and commitment to the safety and appearance of the Civic Park neighborhood serves as a great example of grassroots community activism.

Integrating Ex-Offenders

Repeat offense trends have increased in Flint, demonstrating the need for more effective re-entry methods for ex-offenders. Overall, 2,075 Flint residents are known "recent offenders," or have both a state felony conviction and are currently on parole or probation. This does not include federal felonies or individuals with felonies who are out of the criminal justice system.

Residents have voiced a need to focus on the challenges of prisoner re-entry in a thorough and comprehensive manner. In conjunction with current State prisoner re-entry efforts, the City should invest in programming and resources targeted at providing services to individuals with a criminal background who have completed their sentence, and are looking for a second chance. Flint's various re-entry partners, such as the State of Michigan Genesee/Shiawasee County Prisoner Re-entry office, Career Alliance, Michigan Works, Mott Workforce Development, New Paths, Catholic Charities, and others should collaborate to better serve ex-offenders attempting to integrate back into the community.

The City can work to raise awareness and encourage the expansion of prisoner re-entry programs that connect ex-offenders with a variety of employment opportunities, mentoring services, housing options, and other resources.

Flint Lifeline

Flint Lifeline Intervention Networking Together (formerly CeaseFire FLINT) is a program of "focused deterrence" developed in partnership with the City, the Flint Police Department, and Flint Area Congregations Together (FACT). Flint Lifeline also involves Michigan State Police, Michigan Department of Corrections, US Department of Justice, and local social service and workforce development providers. Participants in the program are criminal suspects with enough evidence compiled against them to justify an arrest warrant. If the suspect meets certain criteria, prosecutors and the police can decide to admit the suspect into Flint Lifeline, instead of moving forward with court proceedings. Once in Flint Lifeline, participants receive aid to help them change their lives, including opportunities for housing, employment, and job training.

Flint Lifeline represents a community strategy to addressing crime through positive intervention. It depends upon strong cooperation between law enforcement agencies, social service providers, government, faith leaders, and the community at large. The City should continue to monitor the outcomes of the program and expand it if it proves successful. The City should also explore similar programs and partnerships that can replace incarceration with intervention.

Youth Safety & At-Risk Youth

Safe Routes to School

Safe Routes to School (SRTS) is a federal program signed into law in 2005 that is aimed at improving the health and safety of children by enabling and encouraging them to walk and bike to school. Formerly a component of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), in 2012, the SRTS program was rolled into the Transportation Alternatives Program (TAP) under Moving Ahead for Progress in the 21st Century (MAP-21). This consolidation is occurring over a multi-year process, so the City should verify the status of current programs and the TAP program to ensure that all potential funding sources are explored.

Each year, states receive federal funds that can be distributed to local SRTS programs. The local programs can use this funding for infrastructure or non-infrastructure improvements that enhance the safety of pedestrian and bicycle safety for children traveling to and from school. The City should seek SRTS funding to implement recommendations detailed in *Chapter 6: Transportation and Mobility Plan*.

BENEFITS OF YOUTH PROGRAMS

A Bakersfield, CA school district began an after-school program for more than 1,300 students. Within the district boundaries, crimes against children dropped by 46% compared to only 8% in the rest of the city.

Michigan Youth Violence Prevention Center

The Flint community has tremendous concern for the City's youth, especially those at-risk of criminal and gang activity. Seeking to reduce violence and create a supportive environment for young citizens, the Michigan Youth Violence Prevention Center (MI-YVPC) in Flint, helps to implement youth violence prevention strategies by researching different approaches and creating relationships with community partners. Funded by the CDC, MI-YVPC's six programs address youth violence in several areas. The programs are designed to address either low- or high-risk youth, and are focused on either the individual, relationships, or the community. The information below summarizes their spectrum of approaches.

- *Individual* Youth Empowerment Solutions (YES) provides youth an outlet to make a difference through community improvement projects and Project Sync provides counseling to youth treated at the Hurley emergency department.
- *Relationship* Fathers & Sons strengthens the relationship between young boys and fathers to improve connectedness and reduce negative behaviors. The mentoring component of the program provides a mentor to at-risk youth at the Boys and Girls Club.
- *Community* In collaboration with the Genesee County Land Bank, Clean & Green helps to improve properties in the Flint area to create a better environment for youth. Community Mobilization works with local community organizations and residents to reduce violence.

Boys and Girls Club

The Boys and Girls Club is a place for kids ages 7-17 to be after school and throughout the summer. The idea behind the Boys and Girls Club is to create positive and proactive environments for school-aged kids and young adults to spend time constructively; when parents are not normally available to them due to work schedules. With two locations in the Greater Flint Area, and programs that focus on education, leadership, life skills, art, and fitness, the Boys and Girls Club of Greater Flint currently serves 80-120 individuals per day after school, and an average of 480-500 kids per day in the summer. The Club has a low-cost to its users and is a great asset to the City of Flint.

Source: Flint & Genesee Chamber of Commerce

Big Brothers Big Sisters
Big Brothers Big Sisters partners with many government and community entities, individual sponsors, and volunteers to bring positive relationships to children and young adults ages 6-18. Programs involve spending time with each other, meeting either at school or out in the community, and supporting the friendship with activities together or in groups that keep kids away from violence and trouble. Big Brothers Big Sisters has helped both "Littles" and "Bigs" in Flint stay connected through positive relationship building.

Gun Violence
With the US having the highest number of gun-related injuries among developed countries, gun violence is a relevant and difficult issue to deal with throughout the nation. There are many ways to begin preventing gun violence for the community as a whole, and for youth in particular.

These strategies will involve extensive cooperation with educational institutions throughout the City, as well as community groups, religious organizations, and other partners.

COST OF GUN VIOLENCE

In 2010 there were 105,177 injuries involving guns in the US.

Flint was *fifth*, in Michigan, for the number of recovered firearms in 2010 at 182, increasing from 89 in 2007.

In their book "Gun Violence: The Real Costs," Jens Ludwig and Philip Cook argue that gun violence costs roughly $100 billion annually in social costs.

Ludwig and Cook also claim that every crime-related gunshot wound imposes costs on society on the order of $1 million.

Steven Levitt's analysis of data on a national sample of urban areas suggests that, on average, every homicide reduces a city's population by 70 people.

COMMUNITY HEALTH

The health of residents is a critical issue in Flint. Genesee County ranked 78th out of 82 Michigan counties for overall health in a recent Robert Wood Johnson Foundation County Health Rankings report, including 77th in health behaviors, 67th in physical environment, and 75th in social/economic factors. CDC data identifies the County as being 4th in the state for physical inactivity, 6th for obesity, and 3rd for adult diagnosed diabetes. Genesee County mortality rates for eight of the ten leading causes of death in 2007 exceeded those of both the Michigan and US.

Community health is an integral element in providing the overall quality of life for Flint residents. Addressing community health cannot be done by the City alone, but must be achieved by working closely with the region's health care providers, public health organizations, and local non-profit organizations. This section of the plan presents recommendations to improve current health conditions to help ensure that all residents are provided with resources that enhance their quality of their life and their health.

Community Health Stakeholders

Much of the health data and policies for Flint residents are generated by four major institutions: the Genesee Health System, the Genesee County Health Department, the Greater Flint Health Coalition, and the Prevention Research Center of Michigan. These four institutions provide updated community health statistics as well as programs for residents to improve upon reported health standards. These institutions are essential to maintaining the community's public facilities, services, and organizations that make a community function, and are key contributors to the quality of life enjoyed by residents.

Genesee County Health Department
The Genesee County Health Department has the statutory responsibility for County residents, businesses, and schools. The Health Department aims to prevent disease, promote health, and protect the public from environmental hazards to health. The Department pays particular attention to eliminating racial, social, and economic inequalities and uses prevention and intervention strategies that target underlying causes.

Genesee Health System
Renamed under a new authority in 2012, GHS supports recovery, prevention, health, and wellness of the body, the mind, and the community by providing services and support to Genesee County residents who suffer from developmental disabilities, serious mental illness, serious emotional disturbances, and adults and children with substance use disorders. GHS is accredited nationally by CARF, the Commission on Accreditation of Rehabilitation Facilities.

Communities Against Diabetes

Funded through the Centers for Disease Control and Prevention with local support provided by the National Kidney Foundation of Michigan, a coalition made up of organizational partners and community members has formed "The Flint Better Health Together" (FBHT). This alliance promotes healthy living and positive choices to decrease the unequal impact of diabetes in the community, and their mission is reflected ensuring that, "Flint is a socially responsible community where the root causes of health inequity are addressed."

Prevention Research Center of Michigan (PRC/MI)

The Prevention Research Center of Michigan is one of 37 Prevention Research Centers funded by the Centers for Disease Control and Prevention. Established in 1998, the Prevention Research Center of Michigan (PRC/MI) is based at the University of Michigan School of Public Health in Ann Arbor. The Center conducts community-based prevention research to improve health and prevent disease especially focused on populations with a disproportionate share of poor health outcomes.

Speak to Your Health! 2011 Community Survey

The PRC/MI conducts a biennial survey. The Speak to Your Health! Community Survey examines a wide range of issues related to individual and community health in Genesee County. The survey conducts a needs assessment, planning and program evaluation, health data analysis in the County, and geographic mapping of information that enables identification of asset and needs areas.

Greater Flint Health System

- *Hurley Medical Center*, which includes the Hurley Children's Hospital and Mott's Children's Health Center, is a level 1 trauma center bringing innovative, leading-edge technology and medical services to Flint and Genesee County. Hurley Medical Center has specialties in neonatal, diabetes, kidney transplantation, trauma, and bariatric care.
- *McLaren Regional Medical Center* is recognized as one of the top integrated health networks in the nation. McLaren Flint is a tertiary teaching facility with 416 beds located in Flint. They are affiliated with the MSU College of Human Medicine for its medical residency programs.
- *Genesys Regional Medical Center* is a regionally integrated health care delivery system with a complete continuum of care. Over 140 family physicians in the Genesys network act as health advocates, offering resources to outpatient, ambulatory care, physical medicine treatment, and mental health services.
- *Flint Public Health & Wellness Campus*, run by Michigan State University, will be part of a $5.65 million project that involves demolishing Genesee Towers, renovating the former Flint Journal printing facility, and starting a new Flint Farmers' Market in Downtown. The new medical center will integrate medical training and public health to create a healthier Flint community.

Greater Flint Health Coalition

Most of the available health data specific to Genesee County is generated by The Greater Flint Health Coalition (GFHC), a non-profit healthcare coalition whose mission is to improve the health status of Genesee County residents and the quality and cost effectiveness of the local health care system. The Greater Flint Health Coalition consists of 26 partner organizations.

GFHC Health Impact Study

In 2012 the GFHC release their Healthy Impact Study. The Study outlines data such as unemployment, poverty, Medicaid, and other assistance program enrollment, and also identifies trends and future implications for the health of Genesee County residents.

Conclusions of Studies

Key health impacts and assessment priorities identified by the Genesee County REACH program and the Speak to Your Health! 2011 Community Survey GFHC Health Impact Study determined that many of the community's health related issues are due to demographic, social, and economic factors as well as the physical environment.

Mental Health

Flint must foster a positive and safe school climate by enhancing access for youth to mental health services and strengthening partnerships among schools, law enforcement, and public health organizations. The City should improve coordination efforts with Flint Community Schools to create a system of trust throughout the community as a whole. If this is achieved, other strategies and suggestions will have a better chance of being effective.

Another way to enable a safer community is to institute a public health campaign that encourages people in distress to seek help. Family members and friends need to know how to seek mental health assistance for others or for themselves. This process can aid in shifting the societal views toward helping the community become safer and healthier.

CHILD POVERTY

According to the US Census Bureau, 58% of Flint children were living in poverty in 2012. While this number is decreasing, it is still the second highest in Michigan following Detroit, and more than double the state average of 25%. This Plan contains strategies to fight child poverty and other youth issues, but community dedication over the long-term is needed to truly make a difference.

Source: Flint & Genesee Chamber of Commerce

REACH 2010

The REACH program was one of the first initiatives in the County, which focused on fostering mobilization, improving health care, and reducing racism for mothers. The program puts an emphasis on where racism may play a role in disparities in the community, since typically the infant death rate for African Americans is much higher than for white infants.

Part of the program's success was due in large part to the partnership between the Genesee County Health Department and local community-based non-profit organizations. The partnership fostered a deep understanding of racial dynamics and enabled the Department to tailor projects to fit the needs of the people they were intended to assist.

During the period of the REACH 2010 initiative, the African American infant mortality rate in Genesee County dropped from a high of 23.5 deaths per 1,000 live births to an all time low of 15.2. The rate for white infants dropped from a high of 13.1 to 8.9. The ratio of disparity decreased from a high of 3.6 African American infant deaths for every white infant death to 2.4.

CREATING HEALTHY ENVIRONMENTS

Environmental issues such as pollution, crime, property abandonment, lack of areas to exercise outdoors, and poor access to healthy foods disproportionately impact residents who are low-income, minority, or uninsured. The recommendations outlined in the other chapters of this Plan effectively promote a physical environment that fosters healthy living for Flint residents.

In addition, the City can promote overall health by focusing on other things that have more subtle influences on the physical environment.

Reducing Health Disparities

All demographic, social, and economic risk factors are higher among Flint residents compared to the national average, where higher rates of poverty and lack of health insurance are associated with poorer educational outcomes, income and employment levels, and crime and incarceration rates.

Data for minority, low-income, and uninsured populations indicate that these populations are experiencing even worse health outcomes when compared to the population as a whole. For example, the rate for chronic diseases such as cancer and diabetes, sexually transmitted infections, and hypertension are higher among African American populations in Michigan and Genesee County than other groups.

The REACH program is a model of one successful approach that the City should seek to replicate for other health issues in minority communities. Health officials should also consider impacts on communities of color and low-income communities, when making decisions about where to locate health resources. Investing in the cultural competence of social service organizations, public safety departments, health providers, and decision makers would improve their ability to serve culturally diverse populations.

Drugs & Alcohol

Per capita liquor store density in Genesee County is higher than 90% of other Michigan counties. While City of Flint residents have access to only nine grocery stores, there are 54 liquor stores within City limits. This is a significant problem for the City of Flint, both in reality and in image. Alcohol outlets can be directly and indirectly related to crime. Many cities across the country including Baltimore, Chicago, and Los Angeles, are revoking liquor licenses in high-crime neighborhoods as part of their overall crime prevention strategy. The City should reduce the number of liquor licenses to be more appropriate for Flint's population, prioritizing the elimination of problem establishments in high crime areas.

The City should also promote healthy habits among its citizens by adopting policies to reduce the excessive use of drugs and alcohol. This can be done by:

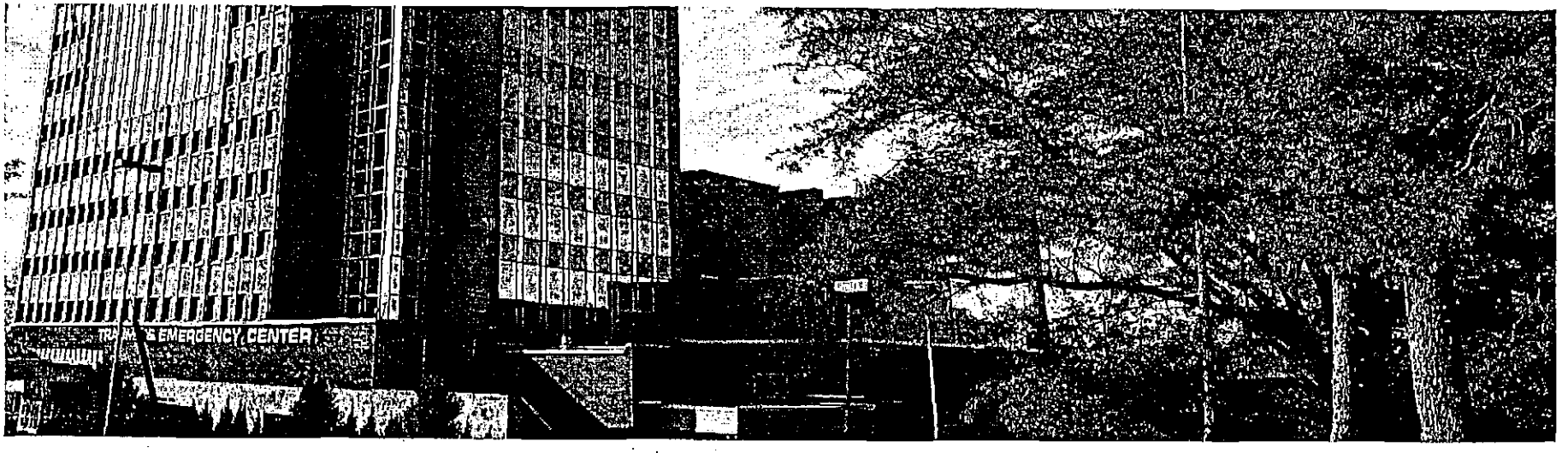
- Banning smoking in City-owned buildings, parks, and other properties
- Utilizing the Global Smoke Free Partnership strategies to design a 100% smoke free workplace with voluntary participations by institutions and major employers
- Working with healthcare providers to expand treatment options for those suffering from smoking, other substance dependence, and mental illness
- Enacting City ordinances restricting signage for alcohol and cigarettes

EMERGENCY PREPAREDNESS

Emergency preparedness, disaster planning, and hazard mitigation is crucial for a community to be secure and resilient. Adequate planning before a disaster occurs means that a city has the operational capabilities to mount an effective response in the event of emergencies, including natural disasters, man-made hazards, and terrorism. Emergency preparedness planning for the City of Flint is overlapped by a number of organizations, including the local chapter of the Red Cross, the City, Genesee County, and the State of Michigan.

To improve Flint's emergency preparedness, the City should:

- Coordinate the City's emergency planning efforts with the County;
- Ensure the City's emergency plan is up to date and that it addresses continuity of operations; and,
- Encourage citizens to understand and prepare for emergency situations



HEALTHCARE ACCESS

The value of uncompensated care provided by the Genesys Health System and McLaren Regional Medical Center effectively doubled between 2006 and 2009. Over the same period, the community's primary safety-net provider, Hurley Medical Center, which has consistently reported the City's highest level of uncompensated care, experienced a 25% increase.

These trends pose a number of future implications for healthcare and resident health in Genesee County. Growing numbers of medically uninsured residents affects the long-term financial stability of hospitals and physicians, strains the capacity of community-based safety-net providers, spurs physician out-migration, and hinders future recruitment efforts.

The first step to improving the healthcare system in Flint is increasing collaboration between the City's hospitals, the Michigan Department of Corrections, mental health organizations, and housing services. The City should *partner with the Greater Flint* Health Coalition to stabilize the health care system and facilitate greater access to health care resources. The cooperative effort will bring together expertise and resources to ensure a continuum of care.

Accessible Medical Facilities

Locating pharmacies, treatment facilities, and clinics in high-poverty neighborhoods is important to providing healthcare to persons with limited access to transportation or limited mobility. The City and its partners should establish strategically located community centers to provide entry points for health and human services. Locating pharmacies and clinics in the Land Use Plan's Neighborhood Center place type, which is intended to provide daily goods and services to surrounding neighborhoods, will help give residents in high-risk communities quick and easy access to healthcare. The City should also encourage pharmacies, treatment facilities, and urgent care clinics to locate in high-risk neighborhoods.

Residents that are not within walking distance of medical facilities and do not have access to personal vehicles have to rely on public transit to access healthcare. The City should collaborate with the Mass Transportation Authority to ensure public transit routes *reliably and conveniently connect* these neighborhoods to major health care centers.

Preventative Health Care

Health issues such as nutrition, physical activity, sexually transmitted infections (STI), and pregnancy can be tackled with a more preventative approach through awareness campaigns and public education. Many resources exist for these health issues, but can go widely unknown by the populations they are designed to serve. The City should work with health organizations like the Genesee County Health Department and the Greater Flint Health Coalition to expand or create collaborative partnerships with institutions throughout Flint, such as schools, faith-based organizations, and community groups, to promote awareness of both health risk factors and resources available to the public.

Outreach to the public can be as minor as educational talks to youth groups or as extensive as broad marketing campaigns, but all levels of health outreach have the potential to positively impact the citizens of Flint. The City should collaborate with existing *community-based health improvement* campaigns to maximize exposure to healthy lifestyles. This could include working with Resource Genesee, the University of Michigan and the Prevention Research Center of Michigan's HOPE project, and other health partners to expand the existing clearing house for all public health information.

Awareness & Enrollment in Health Care Services

Health issues in Flint are compounded by the fact that many residents who are eligible for lower cost, or subsidized health care programs like Women, Infants, and Children (WIC), the Affordable Care Act (ACA) Exchange, and the Genesee Health Plan are not signing up for these services. For instance, in Genesee County, participation rate among those eligible in WIC is only 60%. The problem is that many residents do not sign up because they do not understand how, or they do not know they are eligible.

The City should collaborate with existing community-based health improvement campaigns to maximize exposure of health care and insurance options available to Flint residents.

All levels of health outreach have the potential to increase enrollment rates and increase health care coverage city-wide.

To promote the Affordable Care Act Exchange for example, state health agencies are opening brick-and-mortar stores in malls and urban areas to target those most in need of health insurance, showing informational videos during professional sporting events, printing ads on prescription drug bags, and many other techniques unique to their region. On a more local level, health organizations like the Genesee County Health Department and the Greater Flint *Health Coalition, could partner* with Flint's religious institutions and community based groups to host enrollment fairs to assist residents in signing up for health programs.

CITY OF FLINT

Access to Healthcare

Locating pharmacies, treatment facilities, and clinics in high-poverty neighborhoods is important to providing healthcare to persons with limited access to transportation or limited mobility. The City should establish strategically located community centers to provide entry points for health and human services. The City should also encourage pharmacies, treatment facilities, and urgent care clinics to locate in high-risk neighborhoods.

Residents that are not within walking distance of medical facilities and do not have access to personal vehicles have to rely on public transit to access healthcare. The City should collaborate with the Mass Transportation Authority to ensure public transit route reliably and conveniently connect these neighborhoods to major health care centers.

Areas designated as residential place types in the Land Use and Development section of this Master Plan should be given priority when services and facilities are planned.

Access to Healthcare Legend

- *Place Types with a Residential Component:*
  - *Green Neighborhood*
  - *Traditional Neighborhood*
  - *Mixed Residential*
  - *Civic/Cultural Campus*
  - *University Avenue Corridor*
  - *Downtown*
- *Residential Place Types with Poor Transit Access*
- *MTA Bus Routes*
- *Pharmacy*

Healthcare Facilities Inventory

Clinics

1. *Genesee County Free Medical Clinic*
2. *Genesee County Health Department*
3. *Genesys West Flint Health Center*
4. *Hamilton Community Health Network - North Pointe Clinic*
5. *UM-Flint Urban Health and Wellness*
6. *Hamilton Community Health Network - Main Clinic*
7. *Genesee Community Health Center*

Hospitals

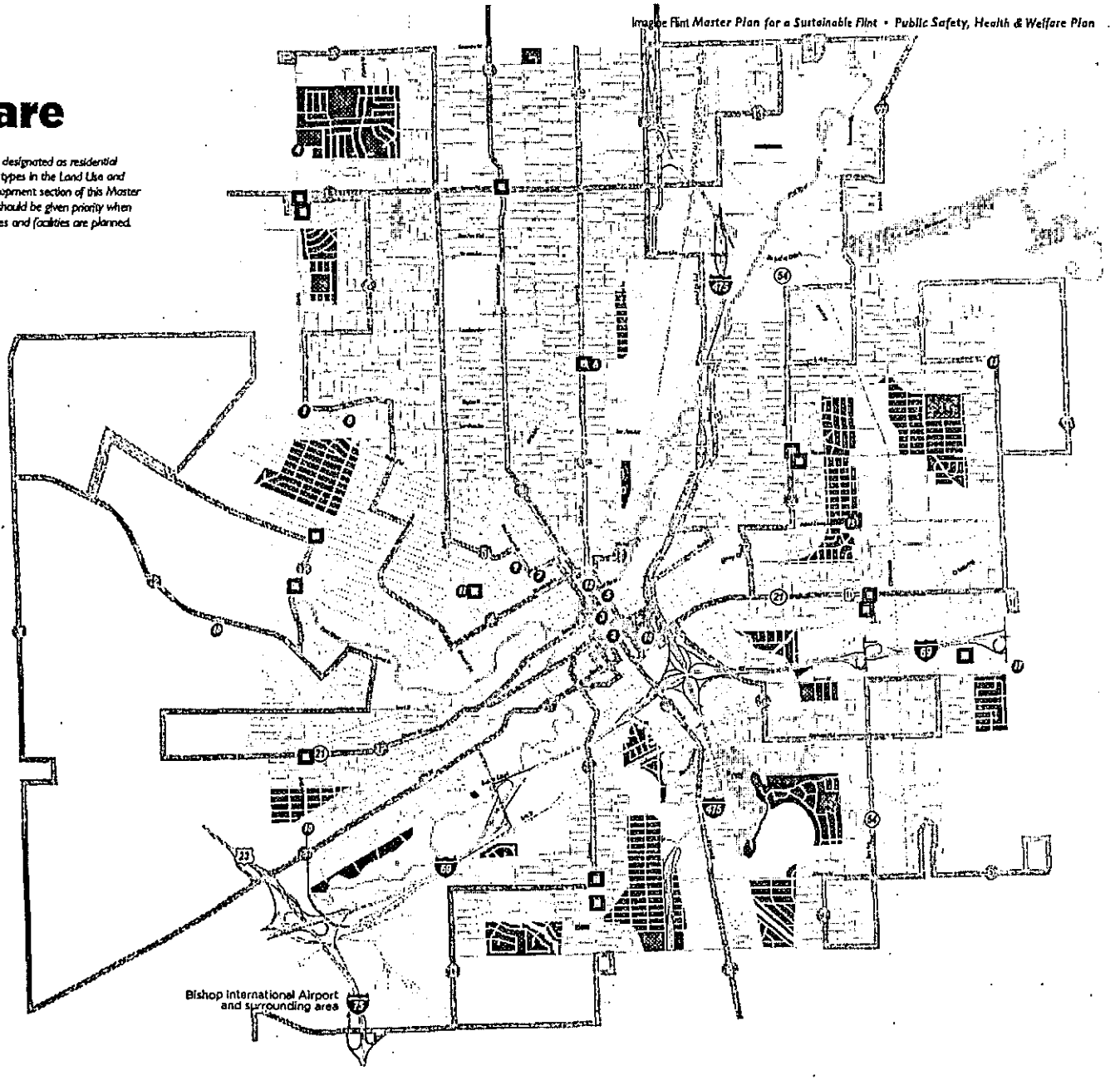
8. *McLaren Regional Medical Center*
9. *Hurley Medical Center and Hurley Children's Hospital*

Urgent Care Facilities

10. *Emergency Medical Center*
11. *Flushing Road Urgent Care*
12. *Genesys Downtown Flint Health Center*

Miscellaneous Facilities

13. *Heartland Health Care Center-Briarwood*
14. *Wellness AIDS Service*
15. *Michigan Health Specialists*
16. *Planned Parenthood - Flint Township*
17. *Planned Parenthood - Burton*



NUTRITION & ACCESS TO PRODUCE

A lack of access to fresh, nutritious food is a barrier to healthy lifestyle choices and contributes to Genesee County's 36% obesity rate. Urban agriculture and community gardening are immediate ways to introduce fresh produce to the community, while also bringing vacant land back into active use. New food retailing outlets can help revitalize these communities, contribute to economic development, and improve access to healthy foods. Additionally, providing a more well-rounded diet in the City's schools will promote healthier eating habits and lifestyles for Flint's youth that lead to many benefits later in life.

Right to Farm Act

The 1981 Right to Farm Act is administered by the Michigan Department of Agriculture and Rural Development to protect farmers who conform to the Generally Accepted Agricultural and Management Practices (GAAMPs), or who were established before the surrounding land use changed to incompatible uses. The GAAMPs have been revised a number of times throughout the years. They apply to practices ranging from management and utilization to wastewater management and odor management. Issues with the Act came to light in the last few years due to the increasing popularity of urban agriculture and similar practices.

A revision to the Right to Farm Act's regulations allows cities with more than 100,000 people to develop their own ordinances for agriculture, so long as those cities exempt any farms that have started operating prior to new city rules. This revision made in 2011 allows the City of Flint to exempt themselves from the GAAMPs, and hold their own agriculture ordinances.

Urban Food Production

Urban agriculture and urban gardening are becoming popular ways to reuse urban land, provide fresh, locally-grown produce, educate youth about health and food production, and employ local residents. The distinction between urban agriculture and urban gardening, although not black and white, is based on the scale and intensity of the operation. Either category may choose to market and sell their products.

Urban Agriculture

Urban agriculture, the larger-scale practice of urban food production, involves cultivating, processing, and distributing food, and is generally practiced for an income, although not always. Overall yields are smaller, but yields per unit area are often higher than traditional rural agriculture, as urban agriculture requires space-saving measures and concentrated plots. They focus on higher value crops and low-impact growing techniques, avoiding some of the historical problems of integrating agriculture and urban life. Most forms of urban agriculture use organic methods of production, so they typically rely on some amount of imported soil.

Urban agricultural land ranges in size from a few contiguous residential yards to larger-scale operations. One of the largest documented urban agricultural operations in the United States is six acres. Facilities sometimes integrated into urban agricultural land operations include storage structures, potting sheds, greenhouses, and kitchens. Heavy equipment is not used due to the nature of the location, so equipment tends to be limited to hand tools. Typically, urban agriculture requires amendments to traditional zoning in order to accommodate its operations and manage its impacts. Urban agriculture can be implemented in many ways, including:

- One or more contiguous residential lots owned by a homeowner or leasing agent, where the space is often leased in exchange for produce or a percent of the food sales.
- Urban spaces, such as parking lots and rooftops, that are owned by a private land owner or business and often require raised beds due to lack of soil.
- Parks and public green spaces, or portions thereof, owned by local government and run by a local organization and utilized for gardening.
- Institutional land, including hospitals or universities, where an under-utilized portion of the site is used for gardening and/or research.
- Vacant lots or under-utilized sites that are often temporary and require raised beds due to a lack of soil quality.
- Agriculturally zoned land within the City limits.

In keeping with the goals of the Land Use Plan, intensive, large-scale urban agriculture would be allowed only in the Green Innovation place type. Less intensive, small-scale urban agriculture would be allowed under Green Innovation, but also the more residential Green Neighborhood place type. On-site sales would require commercial zoning for any operation.

Urban Gardening

Urban gardening is a smaller-scale operation on a single parcel of land that is maintained by an individual or a group. Urban gardens are aimed at providing fresh produce and social benefits to a neighborhood, such as increased activity, a sense of community, and a connection to the environment. They are not typically focused on generating income, but some urban gardens may involve the sale or distribution of produce. Under the new Land Use Plan, urban gardens will be allowed in any residential place type.

Garage Sales

Currently, the sale of food products on-site is not allowed in residential areas. However, a Flint resident may obtain a permit to conduct a yard sale. Minnesota allows the sale of urban agricultural products on-site as a special event. The City should allow for the sale of agricultural products on-site via a similar process as permitting yard sales.

BENEFITS OF PROVIDING ACCESS TO LOCAL PRODUCE

New York City: Green Carts, Healthy Bodegas, Health Bucks, and FRESH

In New York City, the Departments of Health, Planning, Housing, Economic Development, and the Mayor's Office all played a role in developing and implementing several innovative programs including: Green Carts, to help produce vendors locate in underserved neighborhoods with high rates of obesity and diabetes; Healthy Bodegas, to improve healthy offerings in corner stores; Health Bucks, to promote produce purchasing at farmers' markets; and FRESH, to provide zoning and financial incentives to promote grocery store development, upgrading, and expansion in underserved areas.

Pennsylvania Fresh Food Financing Initiative

The Pennsylvania Fresh Food Financing Initiative has helped develop supermarkets and other fresh food outlets in 78 underserved urban and rural areas, increasing access to healthy food for nearly 500,000 residents and creating or retaining 4,860 jobs.

Ongoing Support for Fresh & Healthy Foods

The popularity of urban agriculture and urban gardening is clearly evident in Flint, which has over 200 active agriculture operations or community gardens. In many cases, vacant and unused lots are converted into active gardens. While there are many groups working in Flint to ensure local access to fresh and healthy food, there are a few that are more prominent:

Flint Farmers' Market

The Flint Farmers' Market provides an exchange for local produce in Flint. The market currently has 30 vendors in one building and 50 more vendors outside. The indoor market operates on Tuesdays, Thursdays, and Saturdays year round, while the outdoor market operates from May through October. The market provides educational programs throughout the year, and it partners with other community organizations to provide food to low-income families through the Double Up Food Bucks program. In addition to produce, the Farmers' Market hosts live, local music on most market days as well as several events throughout the summer.

The market's manager, Uptown Reinvestment Corporation (URC), has announced plans to expand their market at a new location in the former Flint Journal printing facility in Downtown Flint in 2014. This facility is directly across the street from the central MTA terminal, making it easily accessible by transit for low-income individuals. In the past several years, Downtown Flint has experienced a revitalization with many renovated buildings, new businesses, and increased housing choices. The new facility will be double the building footprint of the current market, providing a 200-person meeting room and a commercial kitchen that will become an incubator and test kitchen for entrepreneurs and vendors.

'edible flint'

The mission of 'edible flint' is to support Flint residents in growing and accessing healthy food in order to re-connect with the land and each other. While 'edible flint' supports food gardening and healthy food access through training, education, networking, and providing garden services, it does not manage any gardens directly. Key activities include operating a co-operative to sell food, organizing an annual garden tour, leading a training course for new growers, and providing tilling, soil testing, and compost delivery for new gardeners (as funds are available).

Flint River Farm

Flint River Farm is one of the largest urban farms in the City of Flint and sits on nearly two acres of land across 16 lots near Downtown. While this farm is large for urban standards, it is a small, organic operation by industrial agriculture standards. The farm is run by two local farmers and is largely funded through a $90,000 one-year Ruth Mott Foundation grant, but is also community-supported. This operation allows local community members to subscribe to a once a week box of produce for a 16-week season for a flat, pre-established and contracted rate. The River Farm also has volunteer days, and educational classes and workshops for community members to attend.

Hurley Community Garden

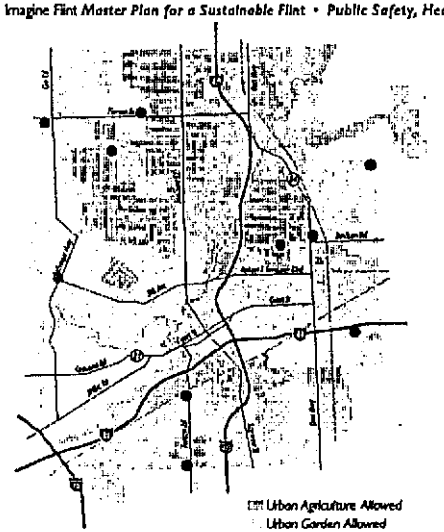
The Hurley Community Garden is located just near the Hurley Medical Center and provides beautiful landscape for the patients, visitors, and workers at Hurley Medical Center as well as the surrounding neighborhood. Additionally, the Community Garden aims to bring the community together to maintain the area, while fighting local hunger through donations to the Food Bank of Eastern Michigan and to the needy people within the immediate community. With rows of beautiful flowers, plants, and nearly 50 different vegetables and ample sidewalks between plots, anyone of its visitors can enjoy the produce and calming space that it creates.

Implementing Urban Food Production

There are challenges in determining where urban food production should be, how large it can be, who can participate, and how it should function. Providing a legal framework is challenging, given a lack of clarity about urban agriculture activities in the City's existing Code of Ordinances.

The City, in partnership with the Ruth Mott Foundation, Genesee County Land Bank, and Michigan State University Extension, reviewed existing legal barriers to urban agriculture and explored strategies for fostering it going forward.

A recent article in the *Journal of Agriculture, Food Systems, and Community Development* titled "Creating a legal framework for urban agriculture: Lessons from Flint, Michigan" provided information on this issue. Promoting urban agriculture within Flint will require amending existing policies and must be addressed when the City rewrites the zoning code.



Urban Agriculture Allowed
Urban Garden Allowed
Existing Grocery Stores

Source: Flint & Genesee Chamber of Commerce

Grocery Stores in Flint

Flint residents spend more than $32 million on food and beverages outside the community, as the City's nine grocery stores meet only some of their needs. Additionally, a large portion of grocery sales within Flint are made at other businesses such as small independent shops, convenience stores, and gas stations. As a recent study found that only 21% of convenience stores sampled in the City offer fresh produce. As such, these uses often do not represent a reasonable quality option for fresh, healthy food.

The City should:

- Work with community groups, residents, and other government agencies to identify areas that lack access to healthy food and to understand local economic conditions and regional food systems.
- Work with investors, developers, and major grocery stores to facilitate the siting of new stores in affected neighborhoods.
- Identify, market, and assemble parcels that are appropriate for grocery store development.
- Compile a strong, succinct marketing package to developers that includes relevant market data, site information, and available incentives.

Once a grocery store is established in a community, additional food access actions must be undertaken to maximize market reach.

- Longer term transportation and land use planning should promote the co-location of food retail, transit access, and affordable housing.
- The City should evaluate existing transportation routes and improve the coordination of bus routes, bus stops, and schedules or add van pools or shuttles to maximize transit access to grocery stores and farmers' markets.
- The City should partner with retailers to launch programs such as mobile markets, grocery shuttles, and grocery van delivery to improve access to healthy food.

School Programming

The school environment is a major influence on children's food choices and eating habits. Schools can ensure that available food and beverage options are healthy to help young people eat food that meets the dietary recommendations outlined by the Surgeon General. The City should work with Flint Community Schools to educate children, parents, and educators about the value of nourishing food and its positive effects on overall health and development.

HEALTHIERUS SCHOOL CHALLENGE

The HealthierUS School Challenge (HUSSC) establishes rigorous standards for schools' food quality, participation in meal programs, physical activity opportunities, and nutrition education, and is a good resource for seeking information related to healthy food implementation in schools. Participation in this and similar programs by Flint Community Schools is a good way to promote nutrition and celebrate significant milestones and achievements.

The City should also work with the School District to find practical solutions for enhancing current lunch programs. This includes reviewing existing beverage/snack vending machine contracts in the City's schools.

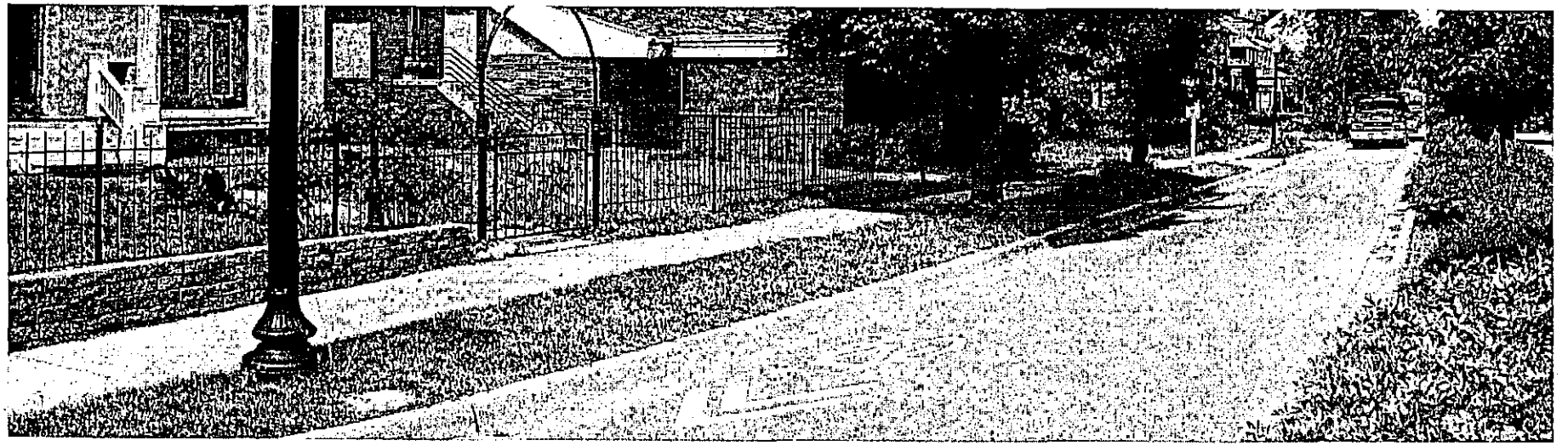
The expanding urban agriculture movement presents a good opportunity for Flint's schools to utilize the resources on hand. Schools should partner with community garden and urban agriculture groups to integrate food education into their curriculum.

PHYSICAL ACTIVITY & EXERCISE

According to a 2012 Greater Flint Health Coalition report, approximately 31% of Flint residents get physical activity less than once per week. Regular physical activity like walking, biking, and other active recreation has immense benefits for health. The City can play a proactive role in reversing poor health trends by encouraging physical activity through changes in policies, programs, and the built environment.

Walkability & Bikeability

When combined in the right urban form, components of the built environment can contribute directly to physical health. The physical layout and design of buildings, streets, and sidewalks and the siting of open space, public facilities, and other uses directly determine the walkability and bikeability of a community. The Surgeon General advises that 30 minutes of walking five days a week, which will significantly reduce the risks to adults for health condition like obesity, respiratory problems, heart disease, and other chronic diseases, while also contributing to healthy bones, muscles, and joints. In addition to their physical health and safety benefits, walkable communities generally enhance residents' overall quality of life and contribute to their neighborhood's unique identity.



HEALTH & WALKABILITY

- On a daily basis, each additional hour spent driving is associated with a 6% increase in the likelihood of obesity, while each additional kilometer walked is associated with a 5% reduction in this likelihood.
- Forty-three percent of people with safe places to walk within 10 minutes of home met recommended activity levels; just 27% of those without them met the recommendation.
- Residents are 65% more likely to walk in a neighborhood with sidewalks.
- People in walkable neighborhoods do about 35-45 more minutes of moderate physical activity per week, and are substantially less likely to be overweight or obese than similar people living in low-walkable neighborhoods.
- Easy access to transit can also contribute to healthy physical activity. Nearly one third of transit users meet the Surgeon General's recommendations for minimum daily exercise through their daily travels.

In a walkable and bikeable community, it is easier to accumulate the recommended 30 minutes of activity since daily tasks, such as commuting to school or work and running errands, can be performed by walking and biking rather than driving. Individuals have to make these personal choices about active modes of transportation, but the infrastructure investments from local government can influence those choices. In many cases, people who may want to walk or bike may not be able to due to inadequate pedestrian infrastructure, land use and zoning patterns, traffic conditions, or road designs.

Specific recommendations to improve walkability and bikeability throughout the City including ones related to sidewalks, trails and paths, complete streets, ADA compliance, and more, are provided in *Chapter 6: Transportation and Mobility Plan*. Pursuing responsible land use and zoning patterns and encouraging new types of development are also effective tools to create walkable environments. *Chapter 4: Land Use Plan* describes places in Flint where compact, walkable neighborhoods could flourish.

Recreational Programming

Varied recreational opportunities make physical activity interesting, enjoyable, and encourage life-long fitness habits. Just 30-60 minutes of regular physical activity can result in significant mental and physical health benefits. The benefits of staying active include reduced obesity, a diminished risk of disease, an enhanced immune system, strong bones, and increased life expectancy. Regular physical activity can also reduce the risk of depression, increase self-esteem, reduce mental impairment, and improve sleep.

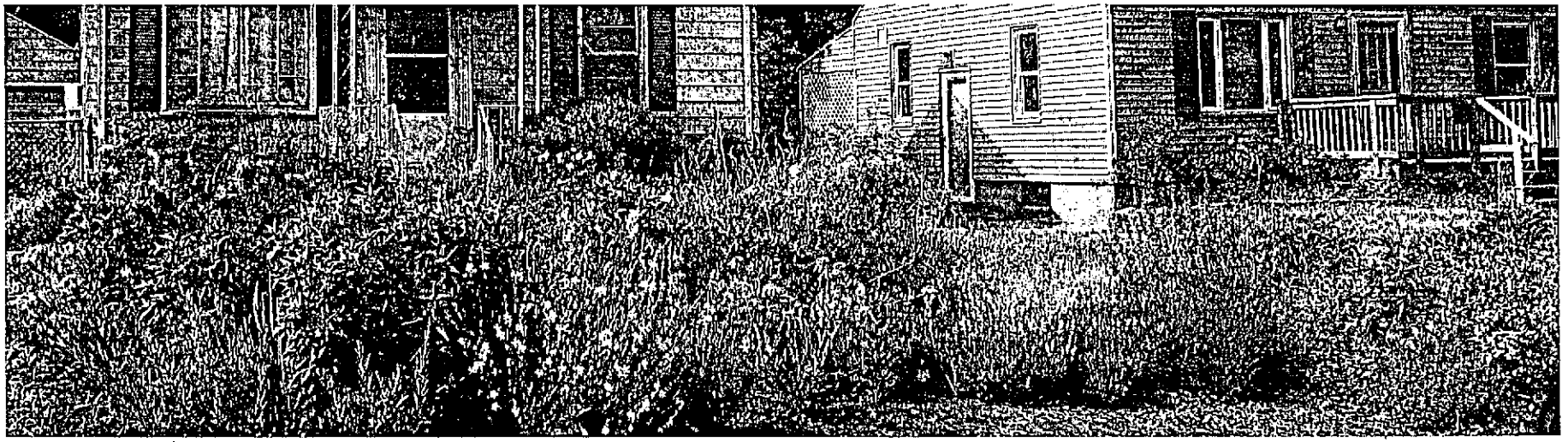
The City should make physical activity fun, safe, and accessible by making opportunities more readily available and actively promoting the link between parks and recreation resources and improved mental, physical, and societal health. Detailed recommendations for recreational programming can be found in *Chapter 7: Environmental Features, Open Space, and Parks Plan*.

THE BENEFITS OF A HEALTHY WORKPLACE

A workout program initiated by the multinational company Johnson & Johnson, improves health in its employees by incentivizing healthy living. Their process begins with an annual, online health-risk assessment, where employees self-report everything from diet and exercise habits to cholesterol levels. Compliance in the program is near-universal because if employees don't participate they pay a penalty of $500 more toward their health insurance premium.

Based on the assessment, employees work with health care professionals to make lifestyle changes. J & J assist their employees in making better choices by offering healthy options in their cafeterias and vending machines, Wii Fit stations and gym in their facilities, and an energy performance training program.

Studies of the outcomes have shown that the program achieved $565 in annual health care savings per US-based employee from 2002 to 2009. More importantly, J & J employees were less likely to be at high-risk for high blood pressure, obesity, and tobacco use.



COMMUNITY ORGANIZATIONS & FOUNDATIONS

Community organizations and foundations play a significant role in providing services in Flint. Serving missions as wide-ranging as healthcare and maintaining vacant lots, community organizations and foundations provide services that often times are not provided by the private, for-profit or government sectors. In 2010, there were an estimated 119 active foundations in the City of Flint and Genesee County with total revenue of $122.5 million. Collectively they provided an estimated $112.0 million in charitable contributions to the Genesee County community in 2010.

In addition to non-profit community organizations and foundations, in 2012 Genesee County had a total of 236 social organizations and 311 religious organizations. While the total net impact of these organizations is hard to quantify financially, they are undoubtedly responsible for valued social, health, and general welfare services.

All of these groups are important to the long-term success of Flint residents and the larger community, and the City should proactively seek opportunities to partner with them. Within this broad set of service providers, there are some organizations that manage large-scale social services:

- *Charles Stewart Mott Foundation:* The Charles Stewart Mott Foundation is a private foundation that is focused both locally and internationally and provide grant funding through four program areas: Civil Society, Environment, Flint Area, and Pathways Out of Poverty.
- *Ruth Mott Foundation:* The Ruth Mott Foundation strives to "advocate, stimulate, and support community vitality." The foundation is providing funding for arts and culture, beautification, and health promotion.
- *Metro Community Development:* With a mission to expand and enhance quality housing and community development initiatives in Flint and Genesee County, Metro Community Development (MCD) organization provides programs, housing development, and lending services for individuals, families, and businesses.
- *Community Foundation of Greater Flint:* The Community Foundation of Greater Flint (CFGF) is a non-profit organization that provides tools and resources to help individual, families, businesses, and other non-profit organizations achieve their charitable and financial goals. The CFGF spends $4 million annually on grants and program sponsorship in Flint.
- *Other Local Service Providers:* The City should work to coordinate services provided by a number of local organizations, including the Boys and Girls Club, YWCA, YMCA, Big Brothers, Salem Housing, Flint NIP, Court Street Village Housing, United Way, and others. These organizations, in conjunction with those previously described, represent a broad spectrum of potential social services.

Coordinated Community Services

Flint is blessed with an active population made up of individuals who are invested in the betterment of the community. The City should continue to support the efforts of all who wish to volunteer in a constructive and collaborative way. However, with so many organizations providing a vast array of services, it is likely that there is overlap, redundancy, and inefficiency when looked at holistically.

The City should advocate for the coordination of community services from the consumer's perspective. The City should work with community services partners to determine the most equitable and efficient way to implement this, whether it is the formation of a City staff position, a non-affiliated non-profit umbrella organization, or an informal consortium of representatives from recognized community service providers. Regardless, the outcomes of this effort should be:

- Service provisions that are more closely coordinated among partners to ensure that resources are maximized and services are of the highest possible quality.
- Central clearinghouse of information that allows the consumer to easily query available services based on the type of service, area of the City, preferred affiliations, or other factors.
- Coordinated fund raising and networking that maximize the exposure of all service providers.
- Forum for service providers to share lessons learned regarding financing, regulations, outreach, marketing, and other aspects of operations and management.

Comprehensive Marketing & Outreach

With so many community groups offering so many different services, communicating the services provided to the people that need them can be challenging. Creating a network will significantly help market services to the Flint and Genesee County population. The network would facilitate a regional multi-media marketing campaign to draw people from outside Flint. A campaign should especially market programming to Flint's youth, a population that Flint residents see as underserviced. Additionally, local staff or a volunteer located at City Hall, could act as a "one-stop shop" concierge for what programs are available.

A website combining the various organizations services and programming could describe all of the cultural offerings in Flint as well. It could also host an online questionnaire, gathering information about local interests, demographics, and marketing and outreach approaches. This information could be used to tailor outreach techniques to best inform citizens of cultural opportunities in Flint.

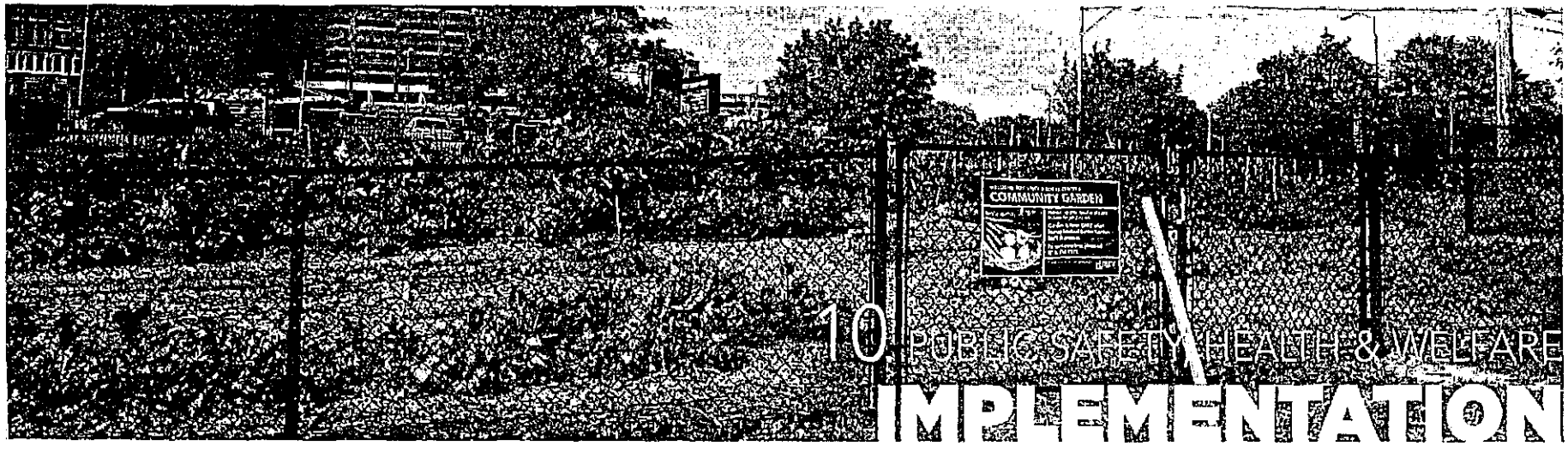
The City and its community organizations should partner with the Flint and Genesee Chamber of Commerce, which already markets many of the region's main attractions. Joint initiatives could include:

- Development of a coordinated website describing all cultural offerings;
- A regional multi-media marketing campaign to draw people from outside Flint;
- Use of local staff or volunteer as a "one-stop shop" concierge for what programs are available;
- Implement a consolidated survey; or,
- A joint marketing campaign to youth.

Expanded Funding Options

Funding is a significant challenge confronting Flint's community service providers. The City should partner with Genesee County and local organizations to procure financing for on-going and desired programming. Some of these sources include:

- Grants through the National Endowment for the Arts (NEA) to fund artistic excellence, creativity, and innovation in the Flint community.
- Three programs administered by the Michigan Council for Arts and Cultural Affairs (MCACA) for community facilities improvements.
- Explore new donor programs, like Power2Give.org to expand financial support.



10 PUBLIC SAFETY, HEALTH & WELFARE IMPLEMENTATION

This section presents the strategies needed to implement the goals and objectives of the Public Safety, Health and Welfare Plan. Taken together, the objectives and strategies included in this section provide specific direction and serve as a guide for the evaluation of development proposals and land use alternatives.

To provide the City with a reliable policy guide for decision-making, the objectives and strategies are based significantly on community input received through the master planning process. In addition to broad community input, these objectives and strategies are based on input from the 15 member Public Safety, Health and Welfare Advisory Group, Steering Committee, City officials, City staff, and observations and assessment from the Imagine Flint Project Team.

Implementation Matrix

The following Implementation Matrix groups strategies by topic within each objective and identifies anticipated time frame, relative cost, and the entities, including City of Flint departments and partner organizations, potentially responsible for the implementation. The matrix also identifies key metrics needed to track implementation progress.

Time Frame

A general time frame is assigned to each strategy, considering the cost of various types of improvements and their ability to set other actions in motion. Generally, low-cost strategies with easy implementation are given the short-term time frame, though some other actions are given this designation based on their high level of priority in meeting community objectives or ensuring the safety of residents.

Each strategy in the Implementation Matrix is indicated with one of the following:

- *Short:* low-cost, ease of implementation, directly addressing top priorities, or critical to the advancement of other strategies, and to be implemented within the next 1-5 years
- *Medium:* important actions that have some level of significant cost, and can be implemented within the next 5-10 years
- *Long:* actions that often require significant amounts of funding that must be planned for over time, or require other strategies to be completed prior to their implementation

Public Cost Estimate

Public cost estimate is represented by a scale ranging from $ to $$$. The costs in this column refer only to public costs. Below is a description of the cost scale:

- $: Actions that require primarily internal staff time requiring mostly regulatory changes, policy updates, or strategic partnerships with limited outside funding required
- $$: Actions that require outside consulting services assistance or relatively minor investment in infrastructure or project development
- $$$: Actions that require intensive planning, engineering or design, and significant investment in infrastructure or project development

Responsible Entities & Partner Organizations

City government alone is not capable of implementing the Master Plan. This is a community vision which relies upon Flint's greatest assets, its people and community stakeholders to help implement desired aspirations.

With regard to citing those entities responsible for implementation, it should be noted that it is anticipated, from a policy standpoint, that the Mayor and City Council will be involved in the majority of these actions.

Where a City Department should be involved, that department has been listed. Where general administrative leadership is needed, the City of Flint has been listed. Strategies, such as recommended technical studies and analyses that would likely benefit from outside expertise, have also been highlighted.

Unforeseen Partnership Opportunities

Every effort was made to identify a comprehensive list of potential partner organizations for inclusion in the implementation matrix. As a community of over 100,000 with a rich history of volunteerism and over 100 foundations active in Genesee County, there may be instances where a deserving organization that is well-matched to one of the Plan objectives or strategies has been excluded from a list of potential partners for a given topic.

Similarly, there may come a time when a partner organization identified in the implementation table merged with another organization or otherwise ceases to exist. As with the rest of the Master Plan, the implementation table is a flexible document that should be regularly updated and revised to reflect the evolving needs and assets of the Flint community.

Progress Indicators

Key progress indicators have been provided for each strategy grouping. Progress indicators identify quantifiable metrics for which data should be available on a regular basis and indicate desired trends for each metric. These indicators represent measurable achievements that move the City toward realization of Master Plan objectives. These progress indicators will enable the City to monitor its effectiveness at implementing Plan recommendations.

STRATEGY		TIME FRAME	PUBLIC COST ESTIMATE	DEPARTMENT / ORGANIZATION	PROGRESS INDICATOR
Codes, Ordinances & Policies	Implement a streamlined, proactive code enforcement strategy in partnership with the Flint Police Department.	Medium	$	• Neighborhood Organizations • Neighborhood Safety Officers • Flint Police Department • City of Flint Planning Development Department • City of Flint Law Department • Michigan State Police • US Department of Justice • City of Flint Planning & Development Department • City of Flint Facilities Maintenance • City of Flint Transportation Division • Flint Community Schools	• Decrease in code violations • Decrease in blighted properties city-wide • Decrease in number of non-compliant businesses • Decreased number of liquor stores per capita • Decreased number of structures that represent arson and crime hot-spots • Decrease in malfunctioning lights city-wide
	Develop a "Blight Court" to prosecute blight and code enforcement violations.	Medium	$$		
	Strengthen existing City ordinances and advocate strengthening State laws regarding salvaging scrap material from homes.	Short	$		
	Amend the zoning code to reflect the best practices in Crime Prevention through Environmental Design (CPTED).	Short	$		
Safety & Infrastructure	Work with the State to revoke the business and/or liquor licenses of establishments not complying with the law.	Medium	$		
	Continue to evaluate the existing street lighting system to ensure it meets current needs and that all lights are fully functioning.	Short	$		
	Develop "safe routes" to schools by implementing the recommendations of the Transportation and Mobility Plan.	Long	$$		
	Take spatial analysis of violent criminal activity and arson into account when prioritizing demolitions.	Short	$		
Neighborhood Initiatives	Strengthen neighborhood watch capabilities with accepted protocols, standards of performance, and incorporation of youth into watch activities.	Short	$	• Community and faith-based groups • Flint Police Department • Flint Fire Department • City of Flint Planning & Development Department • Michigan State Police • Flint Community Schools • Volunteers • Neighborhood Groups • Block Clubs	• Increased number of active neighborhood watch and block club groups • Increased number of Blue Badge volunteers • Increased number of fire education events • Decrease in neighborhood arsons
	Promote the cooperation and technological integration of watch groups.	Short	$		
	Expand opportunities for community fire prevention and safety training.	Short	$		
	Embrace best practices in community policing.	Short	$		
	Expand the Police Department's "Blue Badge" volunteer program.	Medium	$		
	Increase the number of block clubs by offering training toolkits and mini-grants.	Medium	$$		
Police/ Community Collaboration	Increase law enforcement presence at school, after-school, and community organization activities.	Medium	$$	• Flint Police Department • Flint Fire Department • Genesee County Sheriff • Michigan State Police • US Department of Justice • Flint Community Schools • After school programs • Resource Genesee	• Increase in number of staffed service stations • Increase staff levels at special events • Increase in neighborhoods with public safety action plans • Decrease in neighborhood based crime
	Hold community conversations between police officials and residents regularly throughout the year.	Short	$		
	Develop neighborhood public safety action plans in partnership with law enforcement, community groups, faith-based organizations, and local businesses.	Medium	$		
	Expand the role of neighborhood service centers (formerly police mini-stations), including the staffing of assigned community policing personnel to each location and the incorporation of service centers into other programs.	Long	$$		
	Establish a Joint Citizen and Police Committee to instill citizen confidence in local law enforcement.	Short	$		
Efficiency & Capacity Building	Increase Flint Police and Fire Departments staffing levels.	Long	$$	• Flint Police Department • Genesee County Park Rangers • Area Colleges & Universities	• Increase level of Police Department Staffing • Decrease in Police response times
	Explore creation of an auxiliary or reserve force to assist full-time officers.	Short	$$		

PUBLIC SAFETY, HEALTH & WELFARE IMPLEMENTATION MATRIX

STRATEGY		TIME FRAME	PUBLIC COST ESTIMATE	DEPARTMENT / ORGANIZATION	PROGRESS INDICATOR
Innovation & Technology	Participate in regionalization and shared services, such as 9-1-1 consolidation and unification of the Flint area's two district courts.	Medium	$$	• Flint Police Department • Flint Fire Department • Genesee County Sheriff • Michigan State Police • Michigan Department of Corrections • US Department of Justice • 9-1-1 • Area Colleges & Universities • Genesee County Park Rangers	• Increased participation in IT training sessions for law enforcement • Increase amount of law enforcement data collected
	Implement a modern computerized crime statistics system to drive strategy, adapt staffing levels, and promote officer accountability.	Medium	$$		
	Increase opportunities for officer training in information technology.	Short	$		
	Centralize data and reporting in a user-friendly website where residents can obtain up-to-date crime statistics, crime maps, and communications from the Flint Police Department.	Medium	$		
	Work with the Flint Police Department, Michigan State Police, Genesee County Sheriff's Office, and other law enforcement partners to develop uniform, shared data protocols.	Short	$		
	Build upon efforts of the Criminal Justice System Advisory Council to provide continuous assistance to the Police Department on state-of-the-art operations and technology.	Short	$		
Building & Establishing Partnerships	Encourage residents to report low-priority crimes either online or at neighborhood service centers in order to keep more officers on the street.	Short	$	• Flint Police Department • Flint Fire Department • 9-1-1 • Area Colleges and Universities	• Decrease in improper 9-1-1 calls • Increase in the percentage of low-priority incident reports filed on-line or at service stations
	Increase coordination and communication between EMTs and law enforcement when responding to 9-1-1 calls.	Short	$		
	Reduce 9-1-1 misuse by educating the public about proper emergency protocols.	Short	$		
Police Presence & Effectiveness	Strengthen participation in and resources for multi-jurisdictional task forces.	Medium	$	• Flint Police Department • City of Flint Planning Development Department • Genesee County Sheriff • Genesee County Land Bank • Michigan State Police • US Department of Justice	• Increased number of beat patrols • Increased frequency of parole and probation violator sweeps • Decrease in number of violent crimes • Decrease in outstanding warrants
	Expand the street presence of federal law enforcement agencies.	Medium	$$		
	Deepen patrol partnerships with the Michigan State Police and the Genesee County Sheriff's to more effectively prevent crime.	Short	$		
	Develop a regional investigative bureau to utilize best practices in case preparation and court participation.	Long	$$		
	Increase the frequency of parole and probation violator sweeps.	Medium	$		
	Develop tough, equitable, data-driven, and consistent gun crime prosecution policies with the United States Attorney General, the Michigan Attorney General, and the County Prosecutor.	Short	$		
	Ensure City lockup remains open.	Short	$$		
Program Integration & Strengthening	Re-establish pre-trial and probation services in the District Court serving Flint.	Medium	$	• Genesee County Courts • Flint Housing Commission • Flint Police Department • US Department of Justice • Resource Genesee • Flint Lifeline (CeaseFire FLINT)	• Decrease in public housing agencies without public safety plans • Increase in number of guns taken off the streets • Increase in percentage of participants in ex-offender programs • Decrease in gang-related crime • Decrease in the annual number of violent crimes
	Create comprehensive public safety plans for public housing agencies.	Short	$		
	Implement an ongoing gun buyback program to reduce the number of illegal guns.	Medium	$$		
	Raise the awareness and capacity of prisoner re-entry programs, which would connect ex-offenders with a variety of employment opportunities, mentoring services, housing options, and other resources.	Short	$		
	Develop a gang violence prevention strategy that aims to educate youth about the risks of gang participation.	Short	$		
	Support existing and develop new research-driven programs of "focused deterrence," such as the Flint Lifelines program.	Medium	$		
Arson Awareness & Prevention	Create and maintain a comprehensive data base to record potential arson trends around the City.	Short	$	• Flint Area Reinvestment Office • Flint Fire Department • Flint Community Schools • Community Centers	• Increased participation in person awareness and prevention programs • Decrease arsons
	Pursue grant funding from the United States Fire Administration (USFA) to fund Fire Department activities.	Short	$		
	Participate in Arson Awareness Week to provide all residents with strategies to combat arson in their neighborhoods.	Short	$		
	Encourage the Fire Department to participate in USFA arson prevention programs to decrease the number of annual arsons.	Short	$		
	Work with the Fire Department to implement in-school fire prevention programs to educate children about the danger of fires.	Short	$		

STRATEGY		TIME FRAME	PUBLIC COST ESTIMATE	DEPARTMENT / ORGANIZATION	PROGRESS INDICATOR
Outreach & Awareness	Work with Resource Genesee and other health partners to expand the existing clearing house for all public health information, with special emphasis on reaching homeless populations.	Short	$	• Health & Fitness advocacy programs and organizations • Flint Area Congregations Together • Hospitals and Providers • City of Flint Planning & Development Department • Healthcare providers • Greater Flint Health Coalition • MTA • Community-based organizations • Flint Community Schools	• Increase in "hits" on health related websites • Increase in the number of eligible Flint residents enrolled in Medicaid and WIC • Increase in the percentage of residents with health insurance • Increase number and frequency of bus routes that provide access to healthcare facilities • Increased number of people using Flint health care facilities for preventative services • Decrease of child poverty rate • Increase in number of schools offering healthy food options • Decrease in the amount of known buildings or sites containing lead
	Participate in collaborative partnerships with faith based institutions and community groups to promote awareness of or provide key health services such as Medicaid enrollment or immunization.	Short	$		
	Develop a broad marketing and outreach campaign to ensure all community members see and hear about all available healthcare resources.	Medium	$$		
	Establish strategically located community centers to provide entry points for health and human services.	Medium	$$		
Access & Availability	Encourage pharmacies, treatment facilities, and urgent care clinics to locate in underserved neighborhoods.	Short	$		
	Support policies, practices, and funding opportunities that expand healthcare services and increase accessibility of facilities to residents.	Short	$		
	Work with the MTA to evaluate and modify public transit schedules for convenience and reliability in traveling to healthcare locations.	Short	$		
Quality & Care	Work with relevant stakeholders to enact structural changes in healthcare delivery reimbursement models.	Medium	$		
	Increase collaboration between hospitals, Michigan Department of Corrections, mental health organizations, and housing services to ensure a continuum of care.	Short	$		
	Ensure that reduction of child poverty remains a key metric and central consideration for all new and existing social services.	Short	$		
	Reduce the amount of lead in buildings and soil by education, remediation, and/or mitigation.	Long	$$		
	Work with schools and community centers to promote healthy food offerings.	Medium	$		
Food Production	Revise the City's zoning ordinance to align with the Land Use Plan, facilitating local food production, distribution, and retail sales in appropriate areas.	Short	$	• City of Flint Planning & Development Department • City of Flint Utility Division • Genesee County Land Bank • Flint Community Schools • Urban agriculture organizations	• Increased acreage of land dedicated to food production • Increased number of school garden programs • Increase in the percentage of produce in grocery store provided by local growers • Increased number of municipal composting sites throughout the City
	Streamline and/or ease the acquisition process for parcels intended for urban agriculture, community gardens, food production, distribution, and local food businesses.	Short	$		
	Adopt an urban agriculture policy that supports local growing, provides recommendations to improve access to local food, and ensures compatibility with adjoining uses.	Short	$		
	Promote the development of community gardens and other agricultural uses consistent with the Land Use Plan's place types, based on the availability of land banked parcels in these areas.	Short	$		
	Evaluate opportunities for municipal composting.	Medium	$		
	Support local food planning efforts by linking local growers with merchants, markets, convenience stores, restaurants, and grocery stores.	Short	$		
	Encourage the establishment of school gardens.	Medium	$		
Access to Food	Support efforts of the State, County, and non-profit organizations to encourage fresh food retailers to accept public food assistance programs.	Short	$	• City of Flint Planning & Development Department • Social service providers • Area Farmers Markets • Local businesses • Urban agriculture organizations	• Increased number of fresh food retailers accepting public food assistance programs • Increase in the percentage of produce in restaurants from local growers
	Promote neighborhood composting and post-demolition clean-fill enforcement within appropriate place types consistent with the Land Use Plan.	Short	$		
	Create strategies and provide incentives for restaurants and stores throughout the City to utilize locally grown and harvested produce.	Short	$		
	Create strategies and provide incentives to foster healthy convenience stores in neighborhood centers throughout the City.	Short	$		
	Strengthen satellites of the Flint Farmers Market in underserved neighborhoods.	Medium	$		
Community Engagement	Maintain an inventory of local food production sources, including community gardens, urban agriculture, and other activities.	Short	$	• City of Flint Planning & Development Department • Flint Community Schools • Health & Fitness advocacy programs and organizations • Urban agriculture organizations	• Increased number of food production sites in the City • Increased number of schools participating in the Farm-to-School Program
	Increase public awareness of the individual benefits of fresh, healthy, and local food.	Short	$		
	Facilitate a community engagement process to create a Food System Plan for the City of Flint.	Medium	$		
	Partner with schools to establish a Farm to School program to connect the City's schools and local growers to serve healthy meals in school cafeterias.	Medium	$		
	Establish a Food Policy Council	Short	$		

STRATEGY		TIME FRAME	PUBLIC COST ESTIMATE	DEPARTMENT / ORGANIZATION	PROGRESS INDICATOR
Personal Mobility	Revise the City's zoning ordinance to incentivize the development of walkable mixed use neighborhoods.	Short	$	• City of Flint Planning & Development Department • Flint Transportation Division • Health & Fitness advocacy programs and organizations	• Increased amount of new bicycle infrastructure and facilities • Increase in ADA-compliant intersections • Decrease in the percentage of Flint's population considered at risk of obesity, hypertension, etc. • Increase of Genesee County health rankings as compared to other Michigan counties
	Support bicycling through bike lanes, trails, storage, signage, active transportation campaigns, and other recommendations from the Transportation and Mobility Plan.	Medium	$$		
	Enhance walkability by ensuring Americans with Disabilities Act (ADA) compliance for all sidewalks and crosswalks, repairing and maintaining sidewalks, instituting clear street signage, increasing crosswalks in priority and high-traffic corridors, and other recommendations from the Transportation and Mobility Plan.	Medium	$$		
Active Health & Welfare	Leverage unique natural assets such as the Flint River and associated trails to increase biking, jogging, walking, kayaking, and other healthy activities.	Short	$	• Flint River Watershed Coalition/Corridor Alliance • City of Flint Planning & Development Department • Healthcare providers • Flint Parks and Recreation Department • Genesee County Parks • Business Community • Greater Flint Health Coalition	• Increased percent of residents who participate in active exercise programs • Increased number of employers sponsoring wellness programs and strategies
	Maximize recreational opportunities for citizens through public pools, parks, and gymnasiums.	Medium	$$		
	Collaborate with existing community-based health improvement campaign to maximize exposure to exercise and healthy lifestyles.	Short	$		
	Implement comprehensive workplace wellness strategies, starting with major employers.	Short	$		
	Ban smoking in City-owned buildings, parks, and other properties, and encourage voluntary participation from other institutions and major employers.	Short	$		
Early Intervention	Increase capacity for mentoring services for at-risk children in coordination with local non-profit organizations and churches.	Medium	$$	• Flint Police Department • City of Flint Planning & Development Department • Flint Community Schools • Flint Area Congregations Together • Urban agriculture organizations • Priority Children • Conflict Resolution Center • Community-based and faith-based organizations	• Decrease in child poverty rate • Increased number of business "safe havens" • Increased participation in youth mentoring and conflict resolution programs • Decrease in the number of violent crimes
	Expand mediation and conflict resolution services to ensure disputes end non-violently.	Short	$$		
	Ensure that reduction of child poverty remains a key metric and central consideration for all new and existing social services.	Short	$		
	Develop, in partnership with law enforcement, health, education, and social service stakeholders, a comprehensive strategy to prevent at-risk youth from criminal activity.	Short	$		
	Work with the business community to identify and market businesses that are safe places to go in a crisis or get access to help.	Short	$		
Education & Employment	Encourage area employers to offer summer employment opportunities, internships, and apprenticeships to students.	Short	$	• Universities & colleges • Healthcare providers • Social service providers • Greater Flint Health Coalition • Business community • Flint & Genesee Chamber of Commerce and TeenQuest • Genesee Intermediate School District	• Increase in youth summer employment • Increased participation in youth development programs • Increase in grant funding for early childhood programs
	Bolster linkages between City youth and the area's four colleges to promote aspirations for higher education.	Short	$		
	Expand successful youth development programs which prepare disconnected youth for societal re-engagement.	Medium	$$		
	Pursue funding opportunities from a range of sources, including Federal, State, and local grants, for expanded prenatal services and early childhood education.	Short	$		
Health & Wellness	Work with schools and community centers to promote healthy food offerings.	Short	$	• City of Flint Planning & Development Department • City of Flint Facilities Maintenance • Flint Community Schools • Health & Fitness advocacy programs and organizations • Flint Parks and Recreation Department • Urban agriculture organizations • Green and Healthy Homes Initiative	• Increased funding for lead remediation • Increased number of schools with healthy food options • Decrease in the number of liquor stores per capita
	Work with coordinated school health teams, school districts, parent-teacher organizations, student groups, and community partners to expand opportunities for youth physical activity both during and outside of school hours.	Short	$		
	Promote awareness of the risk factors for sexually transmitted infections (STI) and teen pregnancy through increased partnerships with schools, churches, and other community organizations.	Short	$		
	Reduce the amount of lead in buildings and soil by education, remediation, and/or mitigation.	Long	$$$		
	Bring the number of liquor licenses into line with the City's population, as defined by State law.	Short	$$		
	Enact City ordinances restricting signage for adult uses, alcohol, and cigarettes.	Short	$		

IMAGINE FLINT

LAND USE WORKSHOP

PLACEMAKING TOOLKIT

JUNE 2013 | DOUGLAS VOIGT ASSOCIATES | CITY OF FLINT PLANNING STAFF

WHAT IS PLACEMAKING?

In 1960, Flint's population almost reached 200,000, requiring the development of areas beyond the original 1920s Comprehensive Plan footprint. As the population rapidly declined, many once vibrant areas of the City were abandoned and slowly began to deteriorate, ultimately resulting in widespread blight. As the City has secured funding over the last several years for demolition, thousands of vacant lots have been left behind. These vacancies also present the City with a huge opportunity to re-invent our land use pattern for the 21st Century.

Through 'Placemaking', residents can redefine their neighborhoods and create a unique sense of place with distinctive characteristics, whether these areas are now dense with multi-family housing or less populated with single family houses on large plots of land. This sense of place should reflect the area's function within the community as well as the character of local residences and businesses. The placemaking concept underscores the fact that all places are important to the collective functioning and livelihood of the City.

What is the Placemaking Toolkit?

The Placemaking Toolkit is a series of place types that will be used to identify desired future land use, development pattern, and character for all areas of the City. Each place type is defined using a concise, descriptive narrative alongside a visual definition of desired character and function. These place types will form the basis for the Land Use Plan, a primary component of the Master Plan, and will inform the development of long term strategies to guide future development and reinvestment throughout Flint.

Several of the place types are based on desired land use and development patterns that already exist within Flint. As such, a key function of the toolkit will be to strengthen existing neighborhoods, commercial districts and corridors, and industrial/employment uses.

Damage Assessment and Emergency Status Report

MI-CIMS Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/06/2016 08:00:00
Operational Period End:	01/08/2016 17:00:00
Situation Report No.	2
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/07/2016 08:00:00 Thu
SEOC Hours of Operation End:	01/07/2016 17:00:00

Executive Summary

By early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer.

On October 1, 2015 the Genesee County Health Department declared a Public Health Emergency due to the elevated blood lead levels in citizens. In response to this the City of Flint declared a local State of Emergency on December 15, 2015 and activated their Emergency Operations Center.

To mitigate the effects of the new source of water on the infrastructure in the City of Flint, the city switched back to DWSD water on October 16, 2015. Funding to reconnect to DWSD was provided from the City of Flint, the Charles Stewart Mott Foundation, and the State of Michigan. Water is now treated with a supplemental phosphate addition to rebuild the protective layer in the distribution system and reduce the leaching of lead into the water supply.

For the mitigation of negative health effects, over 24,000 water filters and replacement cartridges have been distributed to residents in the City of Flint. Approximately 13,000 water filters, water pitchers and replacement cartridges were distributed by the Michigan Department of Health and Human Services (MDHHS) in the timeframe of October 1 to December 31, 2015 alone.

MDHHS has increased surveillance of blood lead levels in children and is addressing water issues in environmental investigations to identify lead sources in the environment of affected children and provide health education and information to residents, health care providers, and daycare/educational institutions.

Local nonprofit organizations have provided potable water to Flint residents. MSP/EMHSD GIS staff is supporting county and local GIS staff by consolidating data from local sources into comprehensive databases and providing mapping services to support incident analysis and forecasting. Data and maps regarding the location of water pipes, affected schools, filter distribution locations, water monitoring results, and predictive blood lead levels for affected areas will be made available with demographics.
Before December 16, 2015, $9.35 million was provided by the State of Michigan and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While the source water has been switched back to DWSD, water in the City of Flint is still not safe to drink, unless specifically filtered.

On January 5, 2016, Governor Snyder declared a State of Emergency for the City of Flint and Genesee County. Genesee County requested the Governor's declaration on January 4, 2016, following the declaration of a State of Emergency in the county in response to the presence of lead in the public water supply and the detection of elevated blood lead levels exceeding governmental standards.

MSP/EMHSD GIS Section Update

Accomplished Today:
- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:
- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Incident Response/Recovery Priorities/Objectives

1. Activate the State Recovery Task Force
2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
3. Obtain and maintain situational awareness and common operating picture of all activities.
4. Establish SEOC operational period and hours of operations.

5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
6. Develop a comprehensive GIS strategy.
7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
9. Provide technical assistance to the local Damage Assessment process.
10. Establish a Joint Information Center (JIC) and develop a public information strategy.
11. Monitor MI CIMS for resource requests and address as appropriate.
12. Establish and disseminate cost center information for the incident.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations
Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

State Declarations

Jurisdiction(s): Date/Time:

Federal Declarations

Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

From the National Weather Service in Detroit/Pontiac, MI

Early This Evening: Partly cloudy. Temperatures around 38. Light southeast winds.

Tonight: Partly cloudy. Lows 28 to 32. Southeast winds 5 to 15 mph.

Friday: Partly cloudy until around noon, then mostly cloudy with a chance of light rain until 1 pm. Cloudy with light rain after 1pm. Highs 35 to 39. Southeast winds 5 to 15 mph. Chance of rain 70 percent.

Upcoming Forecast

7-Day Forecast - Flint, MI - http://goo.gl/3qkSIa

Other

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was operational at 1 p.m. on Jan. 6 and operational from 8 a.m. to 5 p.m. on Jan. 7. State agencies at the JIC included the Departments of Licensing and Regulatory Affairs, Health and Human Services, Agriculture and Rural Development, Environmental Quality, and Michigan State Police.

During the 8 a.m. to 5 p.m. operational period, Gov. Rick Snyder held a press availability with Flint Mayor Karen Weaver. In addition, a round-table press briefing occurred at 1 p.m. at the 4000 Collins Road facility.

Objectives included:

- Oversaw and managed the state of Michigan public information duties due to emergency declaration.
- Held a 4 p.m. conference call with Genesee County PIO Sheriff Robert Pickell and city of Flint PIO Lead Sean Kammer.

Information Gathering
- Created media monitoring reports about the disaster as needed.
- Crafted talking points about the ongoing disaster, including a better description of the emergency declaration process.
- Crafted social media posts about state efforts underway during the disaster recovery process.
- Created graphics for social media efforts.

Information Dissemination
- Answered phones and manage media inquiries in regards to the Flint Water situation.
- Worked to establish a GovDelivery account; post link of website to sign up.
- Finalized details, media invite list and host a media roundtable.

External Affairs
- Worked on planing a conference call between command staff and affected state legislators and congressional Jan. 8, 2015.

Administrative
- Worked on filling staffing for the next operational period.

Logistics
- Worked on fixing email accounts.
- Worked to established a location with Genesee County and the city of Flint for a Unified Joint Information Center by the end of the week.
- Established a conference call line for the media roundtable.

Agriculture and Rural Development (MDARD)

Two areas MDARD is monitoring:
1). Water usage in food processing, food retail, and food service (restaurants). Guidance document has been available since October; MDARD surveyed food processors in October and did not find issues.
2). Water consumption by pets / animals. There has been some evidence of lead toxicity in dogs, and there has been guidance about pets & water included in the Q & A.
Jan 7th 2016 4pm update:
MDARD and Genesee Local Health Dept. agreed to move guidance on water to a regulatory requirement. New language (after JIC approval) will be going out to retail food establishments and restaurants with follow up inspections and sampling. Planning will continue on logistics for sampling.
Animals - call into the Genesee County Animal Control Shelter not yet returned; will try again tomorrow.

American Red Cross (ARC)

The MSP/EMHSD planners asked the American Red Cross to brainstorm and come up with possible ways in which MI-VOAD, the Red Cross and other NGOs might be able to assist in the response and recovery phases of the Flint Water Contamination. We are working on this and calling upon Red Cross colleagues to contribute to it. We've briefed Red Cross Regional and Divisional management on this incident. The Red Cross will provide situational awareness regarding the services related to the water contamination that individual NGOs are providing to Flint residents.

Civil Rights (MDCR)

Monitor and support agencies with issues surrounding outreach and engagement of marginalized populations within the City of Flint impacted by the current water crisis.

Corrections (MDOC)

Approximately 75 staff members are working in the affected area. Potable water has been provided to the offices in the affected area since the beginning of this situation and will continue to be provided. This water is available for people working there and those that have been required to go the office. We will continue to monitor this situation for any developing issues.

Environmental Quality (MDEQ)

The Michigan Department of Environmental Quality (DEQ) staff continue to conduct testing in the Flint Schools.

Human Services (MDHS)

Summary for both Health & Human Services
Participated in 9:30 State Agency briefing,
Attended Recovery Task Force / Recovery Branch meeting.
Coordinating between CHECC and JIC.
Local MDHHS staff active in local EOC.
Participated in MDHHS 12:30 Flint Water Lead Project call
Gathering information on water filter acquisition, distribution, installation, life span and replacement.
Providing update to Executives
CHECC remains at Level 1 Activation - Normal Operations

Licensing and Regulatory Affairs (LARA)

LARA upgraded to a mandatory department for this incident

Attached is a Point of Contact (POC) List

Attached is a Work Report indicating what work LARA has done today in City of Flint

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids participating in morning SEOC briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac.

Natural Resources (MDNR)

MDNR is fully participating in all SEOC activities. Situational awareness is being maintained and the department stands ready to assist as needed.

Services to the Aging (OSA)

Valley Area Agency on Aging - Region 5 (VAAA), in partnership with other local community agencies such as the Genesee County Health Department and MDHHS, has helped organize local meetings and distribute water and water filters. VAAA is an access point for receiving calls from homebound seniors who are not able to pick up water filters or need assistance installing water filters. VAAA reports they continue to receive calls from seniors who need assistance.

VAAA has distributed 2 bottles of water with each home delivered meal to each HDM client within the City of Flint. Water. VAAA also provided water to homebound seniors who needed water to prepare food as they had limited support to pick up bottled water. Congregate meal participants also have access to water and filters as needed. Once water filters were installed, VAAA discontinued including water with home delivered meals.

VAAA also contacted the Grandparents Raising Grandchildren program to ensure that they were aware of educational efforts and confirm the program had received water filters to distribute to program participants.

State Police (MSP)

Insp. Bolger is monitoring the incident via MICIMS and participating in State Agency Briefings.

Supreme Court

January 6, 2015:
08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

Provided update to management on morning briefing.
DTMB tasked with finding co-location site for the Joint Information Center within the Flint State Office Building. DTMB conference room is available to be used for the JIC with a media meeting room also available. DTMB Network and Telecommunications Division working on installation of additional telephone and data lines.

Incident Related Images

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/06/2016 08:00:00
Operational Period End:	01/08/2016 17:00:00
Situation Report No.	3
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/8/2016 08:00:00 Fri
SEOC Hours of Operation End:	01/8/2016 17:00:00

Executive Summary

By early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer.

On October 1, 2015 the Genesee County Health Department declared a Public Health Emergency due to the elevated blood lead levels in citizens. In response to this the City of Flint declared a local State of Emergency on December 15, 2015 and activated their Emergency Operations Center.

To mitigate the effects of the new source of water on the infrastructure in the City of Flint, the city switched back to DWSD water on October 16, 2015. Funding to reconnect to DWSD was provided from the City of Flint, the Charles Stewart Mott Foundation, and the State of Michigan. Water is now treated with a supplemental phosphate addition to rebuild the protective layer in the distribution system and reduce the leaching of lead into the water supply.

For the mitigation of negative health effects, over 24,000 water filters and replacement cartridges have been distributed to residents in the City of Flint. Approximately 13,000 water filters, water pitchers and replacement cartridges were distributed by the Michigan Department of Health and Human Services (MDHHS) in the timeframe of October 1 to December 31, 2015 alone.

MDHHS has increased surveillance of blood lead levels in children and is addressing water issues in environmental investigations to identify lead sources in the environment of affected children and provide health education and information to residents, health care providers, and daycare/educational institutions.

Local nonprofit organizations have provided potable water to Flint residents. MSP/EMHSD GIS staff is supporting county and local GIS staff by consolidating data from local sources into comprehensive databases and providing mapping services to support incident analysis and forecasting. Data and maps regarding the location of water pipes, affected schools, filter distribution locations, water monitoring results, and predictive blood lead levels for affected areas will be made available with demographics.
Before December 16, 2015, $9.35 million was provided by the State of Michigan and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While the source water has been switched back to DWSD, water in the City of Flint is still not safe to drink, unless specifically filtered.

On January 5, 2016, Governor Snyder declared a State of Emergency for the City of Flint and Genesee County. Genesee County requested the Governor's declaration on January 5, 2016, following the declaration of a State of Emergency in the county in response to the presence of lead in the public water supply and the detection of elevated blood lead levels exceeding governmental standards.

Since the declaration by the Governor on January 5th, the State Emergency Operations Center (SEOC) has been fully activated and working with local and state agencies to ensure a coordinated response to the incident. Since the activation, the SEOC has activated command staff, state agency EMC's, and implemented the Recovery Branch under the Operations Section.

SEOC Update:
Accomplished today (January 8):
- Recovery Branch is working to develop a enhanced method for outreach to all individuals.
- DHHS is working to develop a method for distribution of water.
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Held first legislative call today.
- JIC continued to develop messaging and has implemented a co-located JIC in the City of Flint.
- SEOC staff provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed 3 EMHSD/SEOC liaisons to assist the local EOC.
- Worked on developing incident objectives for the next operational period.
- FEMA Liaison Officers are on site at the SEOC and are assisting and providing technical expertise as needed.

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Provide resources.
- Public Information Control.

MSP/EMHSD GIS Section Updates
Accomplished Today (January 8):
- Produced Water Point of Distribution Map (POD).
- Produced Filter Point of Distribution Map (POD).
- Met with Genesee County Emergency Manager to discuss POD locations, and hours of operation. He will also be sending us data on new facilities serving as POD's with hours of operations.
- Attempted to geocode list of properties that have received a water filtration system. Geocoding encountered a problem due to original database format. We continue to clean up the database.
- Attempted to get data on the zip codes; local contact has not yet responded.
- Met with GIS from Flint to discuss data and methods.
- U of M contacted us to set up a meeting on how best to proceed with digitizing water lines
- Received account from City of Flint for their ArcGIS online.

Tasks for Tomorrow (January 9):
- Finalize updated list on water filter distributions map.
- Update Water and Filter POD's with updated information from Genesee County Emergency Manager.
- Establish time to meet with U of M.
- Finalize water filter distributions map.
- Finalize plan for data distribution methods.

Volunteer and Donations Management:
- SEOC staff, Local EOC, and local organizations had a call with General Motors about possible donations.

Local EOC Update:
The following actions have been coordinated and supported through the Genesee County EOC since activation:

Genesee County Sheriff's Office:
- Distribute filter and water to affected population (172 attempted contacts with 27 personnel on 01/07/2016).
- Provide security at EOC and incident facilities.
- Sheriff Pickell is serving as the PIO for Genesee County.
- Operate EOC and manage incident through Emergency Management & Homeland Security Office.

Genesee County Health Department:
- Developing messaging (health education) for affected population.
- Provide nutritional counseling.
- Elevated blood level case management.
- Provide IT support for filter distribution database and GIS mapping.
- Developing Lead Poison Prevention Plan.

Genesee County Equalization Department:
- Provide addresses, demographic, socioeconomic data for incident planning and forecasting.
- Provide GIS mapping services.
- Preliminary assessed damages on public and private infrastructure impacts in coordination with City of Flint.

Genesee County Community Action Resource Department (GCARD):
- Warehousing/staging of filters for distribution to affected population.
- Distribution of filters to affected population from two locations in the City of Flint.

City of Flint Fire Department:
- 5 Fire stations will serve as PODs for water and filter equipment on Saturday, 01/08/2016, 0900AM to 1600PM.

Flint Community Schools:
- Nothing reported at this time.

Michigan Department of Health and Human Services:
- Filter distribution at one location in the City of Flint.

United Way of Genesee County:
- Receive and manage donations (cash and goods).
- Public information through 211.
- Facilitating coordination and control among local agencies.

Foodbank of Eastern Michigan:
- Warehousing/staging of water for distribution to affected populations.
- Identify and operate PODs for water (8 sites identified by 12:00 noon, 01/08/2016).
- Water inventory by end of day, 01/07/2015: Food bank has 376 cases of water.

Hurley Medical Center:
- Nothing reported at this time.

The county EOC has issued five resource requests to the SEOC (all in progress) by 12:00 noon on 01/08/2016.

Incident Response/Recovery Priorities/Objectives

TBD

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015

City of Flint, Declaration of State of Emergency, 12/15/2015

Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations
Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

State Declarations
Jurisdiction(s): Date/Time:

Federal Declarations
Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

Upcoming Forecast
Forecast Update for Flint, MI area: Saturday 1/9 through Thursday 1/14:

* Saturday (Jan 9): rain with mild temperatures
* Sunday (Jan 10): snow, cold, wind and hazardous travel
* Monday (Jan 11) through Thursday (Jan 14): very cold with a few snow showers

Rain will occur on and off through Saturday evening. Saturday will see high temperatures around 45 degrees. Temperatures will fall quickly overnight Saturday night, with temperatures in the mid 20s by noon Sunday and in the teens by Sunday evening. Strong winds Sunday will result in wind chill values near zero and time to frostbite from exposure of 30 minutes or less.

Snow is expected to develop around or just before sunrise Sunday. Around 2 to 4 inches of snow will be possible in the Flint area Sunday with the heaviest snow expected Sunday late morning/early afternoon.

Snow and cold will result in icy roads and hazardous travel conditions Sunday. Wet roads may ice up in the middle of the night Saturday night before snow begins on Sunday. A few power outages due to snow and wind may be possible Sunday.

Monday (1/11) through Thursday (1/14): On and off snow showers. Very cold air will be in place. Daytime high temperatures will only climb to around 20 degrees with overnight low temperatures around 10 or colder. Wind chill values Monday (1/11) through Thursday (1/14) will be in the teens and single digits above zero with time to frostbite from exposure of 15 to 30 minutes.

Other
7-Day Forecast - Flint, MI : http://goo.gl/3qkSIa

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions
Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status
No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested
All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Agency Summaries

Joint Information Center / Public Information Officer

Jan 7, 2016

The Joint Information Center (JIC) was operational at 1 p.m. on Jan. 6 and operational from 8 a.m. to 5 p.m. on Jan. 7. State agencies at the JIC included the Departments of Licensing and Regulatory Affairs, Health and Human Services, Agriculture and Rural Development, Environmental Quality, and Michigan State Police.

During the 8 a.m. to 5 p.m. operational period, Gov. Rick Snyder held a press availability with Flint Mayor Karen Weaver. In addition, a round-table press briefing occurred at 1 p.m. at the 4000 Collins Road facility.

Objectives included:

- Oversaw and managed the state of Michigan public information duties due to emergency declaration.
- Held a 4 p.m. conference call with Genesee County PIO Sheriff Robert Pickell and city of Flint PIO Lead Sean Kammer.

Information Gathering
- Created media monitoring reports about the disaster as needed.
- Crafted talking points about the ongoing disaster, including a better description of the emergency declaration process.
- Crafted social media posts about state efforts underway during the disaster recovery process.
- Created graphics for social media efforts.

Information Dissemination
- Answered phones and manage media inquiries in regards to the Flint Water situation.
- Worked to establish a GovDelivery account; post link of website to sign up.
- Finalized details, media invite list and host a media roundtable.

External Affairs
- Worked on planing a conference call between command staff and affected state legislators and congressional Jan. 8, 2015.

Administrative
- Worked on filling staffing for the next operational period.

Logistics
- Worked on fixing email accounts.
- Worked to established a location with Genesee County and the city of Flint for a Unified Joint Information Center by the end of the week.
- Established a conference call line for the media roundtable.

Agriculture and Rural Development (MDARD)

Two areas MDARD is monitoring:
1). Water usage in food processing, food retail, and food service (restaurants). Guidance document has been available since October; MDARD surveyed food processors in October and did not find issues.
2). Water consumption by pets / animals. There has been some evidence of lead toxicity in dogs, and there has been guidance about pets & water included in the Q & A.
Jan 7th 2016 4pm update:
MDARD and Genesee Local Health Dept. agreed to move guidance on water to a regulatory requirement. New language (after JIC approval) will be going out to retail food establishments and restaurants with follow up inspections and sampling. Planning will continue on logistics for sampling.
Jan 8th 2016 4pm update:
Animals - Shelter Director Paul Wallace has obtained some documents to help ascertain what entities (that are not tracked via licensing and registration) that would be housing animals: 1) All the City of Flint street (physical) addresses that are on City of Flint water, 2) All the "Out-County" (physical) addresses that are on City of Flint water. The Shelter Director is also pulling the possible animal holding/gathering facilities in reference to that listing which will provide the rest of the contacts. MDARD will be getting copies of all of these lists soon. Other shelters are not on City of Flint water.

American Red Cross (ARC)

The American Red Cross will be standing up a 'limited' Disaster Relief Operation by the end of today. This will enable us to provide a more comprehensive response to community needs in Flint as they are made known. We will now be more readily able to bring in resources from outside the Flint area.

Civil Rights (MDCR)

Monitor and support agencies with issues surrounding outreach and engagement of marginalized populations within the City of Flint impacted by the current water crisis.

Community Health (MDCH)

MDHHS is collaborating with the MDHHS PIO in the JIC to provide health related information for the document that will be delivered to all homes in Flint.

Collaborated with LARA to obtain a contact list of all health professionals in Genesee County for distribution of Guidelines for Lead Testing in Children.

Per Genesee County Health Department, all inquiries about lead testing are being referred to 211 or their individual healthcare provider.

Dr. Eden Wells, Chief Medical Executive, participated in the Congressional Briefing.

Corrections (MDOC)

Administration for the MDOC has been notified and is updated on current situation. There are approximately 75 staff members working in the affected area. Potable water has been provided to the offices in the affected area since the beginning of this situation and will continue to be provided. This water is available for people working there and those that have been required to go the office. We will continue to monitor this situation for any developing issues.

Environmental Quality (MDEQ)

The DEQ laboratory is prepared to accept and process 400 water samples pre day, 7 days a week. DEQ Incident Management Team staff are supporting the local Emergency Operations Center with personnel in Incident Command positions.

Human Services (MDHS)

Participated in 9:30 State Agency briefing.
Updated resource requests.
Local MDHHS staff active in local EOC.
Sent MCSC to Genesee Co to coordinate various volunteer efforts.
Helping with donation management efforts at the local level.
Gathering information on water filter acquisition, distribution, installation, life span and replacement.
CHECC remains at Level 1 Activation - Normal Operations

Licensing and Regulatory Affairs (LARA)

Communicating with DEQ regarding additional water testing in Flint schools.

Gathering information from the Plumbing Division regarding plumbing authority within the city of Flint.

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids participating in morning SEOC briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac.

Natural Resources (MDNR)

MDNR is fully participating in all SEOC activities. Situational awareness is being maintained and the department stands ready to assist as needed.
Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging - Region 5 (VAAA), in partnership with other local community agencies such as the Genesee County Health Department and MDHHS, has helped organize local meetings and distribute water and water filters. VAAA is an access point for receiving calls from homebound seniors who are not able to pick up water filters or need assistance installing water filters. VAAA reports they continue to receive calls from seniors who need assistance.

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Insp. Bolger is monitoring the incident via MICIMS and participating in State Agency Briefings.

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

Provided update to management on morning briefing.
Co-located JIC has been setup for the public information officers, along with a media meeting room. Facilities supervisor assisted with unloading and equipment setup.
Received list of agency public information officers to have access to the Flint Office Building added to their ID cards.
Resource request received for a truck and driver needed to pick-up pallets of water and cartridges within the city and deliver them to five city fire stations on Saturday.
Resource request received to locate warehouse space within the city to act as a distribution and intake site for donated water, cartridges and filters. DTMB Real Estate Division contacting resources within the city for available locations.

Incident Related Images

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/11/2016 08:00:00
Operational Period End:	01/12/2016 17:00:00
Situation Report No.	4
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/09/2016 08:00:00 Sat
SEOC Hours of Operation End:	01/09/2016 17:00:00

Executive Summary

By early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer.

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SEOC Update:
Accomplished today (January 9):

- Logistics
  - o Worked with Red Cross to recruit volunteers at churches (obtained 2 per site).
  - o Obtained church addresses and passed them on to the county, DTMB, DHHS and GIS.
  - o Address cards have been developed and distributed to Flint Fire Department for tracking. Information from the address card is continuously being entered by MDHHS employee. Updates will be sent to SEOC Human Services POC throughout the day.
  - o Logistics is working with DTMB to get the door-to-door flyers printed. Once these are done, will work on getting those to Flint and distributed to teams.
  - o Printed cards for churches were provided to the DTMB drivers to deliver with the materials to each church on Sunday.
  - o Assigned various requests: supply truck to follow teams, trucks to transport teams and materials, security officer for EOC and for each team, long and short term storage options, plan for individuals not able to drive to return test kits, determine locations in Flint that already have large surplus of water on hand and have them deliver to food bank for distribution, identify method for getting address cards back from churches to EOC, and individuals at storage sites to serve as warehouse managers.
  - o Need to update POD boards from the local EOC, any resources should be requested from the SEOC.
  - o Set up direct bill at hotel in local area.
  - o Make sure information is being entered into MI CIMS.
  - o Reiterate to continue to request resources in MI CIMS.

- JIC
  - o Developed a door hanger with state agency PIO's and DHHS SME's for canvassing.
  - o Developed a single page sheet similar to the website for distribution.

o Released a press release today at 1pm establishing location of water resource sites.
o Tentative media briefing tomorrow at 2pm at Flint fire station.
o Trevor Hawks is working with the JIC on the door hanger.

• Recovery Branch
o Currently working on the overall plan for the door-to-door operations.
o Training has been confirmed for Monday to train teams deploying for the door-to-door operations scheduled to start Tuesday.
o Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
o Recovery Team hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m.
o Logistics are being worked out for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
o Will begin working with the local EOC first thing tomorrow to determine the areas of Flint to focus our efforts and work out the remaining details.

• Planning Section
o Objectives have been updated and SitRep will be distributed today.
o Facilitated three SEOC agency and local EOC briefs.
o Worked with FEMA LNOs on planning cycle and draft objectives.
o Completed Sit Rep and draft IAP and summary bullets for command.
o Completed draft ICS forms for branch chiefs to use to track tasks.

• Operations Section
o A third FEMA LNO arrived today to provide technical assistance.
o A 10:45 conference call was held with the Genesee County EOC, specifically state personnel, to discuss processes for the upcoming days.
o At this time, all 5 fire stations have received water, water filters, replacement cartridges and water testing kits with American Red Cross at each location to assist with delivery of resources and collection of addresses receiving them (data collection cards delivered by F/Lt. Gabe Covey).
o The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. Working on outreach for 1 additional church.
o A 3:30 briefing was conducted in the SEOC to provide status updates.
o As we advised you at 3:50, the County EOC has no support from the City of Flint. For smooth operations and the ability to serve the residents of Flint, a liaison is necessary in the EOC. This is also important to keep the Flint Mayor is appraised of activities being conducted in the city.

• Finance Section
o Continuing to track personnel resources located in the SEOC and local EOC for use in spend plan development;
o Located hotel in the Flint area for staff on travel status to stay and have bill send directly to SEOC.
❑ Holiday Inn – Flint
5353 Gateway Centre Drive
Flint, MI
810-232-5300
❑ Contact Finance Group Chief or appropriate State EM to set up initial stay and billing information.
o Monitoring resource request board for costs incurred by state agencies for inclusion in spend plan.

The SEOC continues to provide:
• Situational awareness.
• Common operating picture/objectives.
• Coordination with city/county.
• Potential coordination with federal agencies.
• Incident prioritization.
• Coordination of life/health safety measures.
• Provide resources.
• Public Information Control.

MSP/EMHSD GIS Section Updates

Accomplished Today (January 9):
• Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites (Fire Departments), Filter Distribution Sites, Water Distribution Sites.
• Produced Filter Distribution Map.
• Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
• MI CIMS password resets.
• Worked on map of franchise customers outside of Flint.
• Produced maps for MDARD on food establishments and Local Health Departments.
• Produced map of Church Filter Distribution map for DTMB.

Tasks for Tomorrow (January 10):
• Update Distribution Map with new information.
• Update Filter Distribution map by Household.
• Complete Franchise Customers outside of Flint by zip code.
• Discuss a time to meet with U of M.
• Finalize plan for data distribution methods.

DTMB:
• Reached out to local EOC to find out what space is available for large media briefings.
• DTMB has truck and driver scheduled to pick up water kits on Monday at noon from the State Lab.
• Scheduled two drivers to assist in the delivery of water filters to churches on Sunday morning.
• Reached out to DTMB Real Estate for additional information on the warehouse facility.

DHHS-CH

- 2-1-1 Director successfully contacted. Has been put in contact with MDHHS PIO to discuss/resolve caller wait times and messaging.
- Spoke to Genesee County Emergency Preparedness Coordinator for situational awareness. Reiterated the importance of messaging at this time, from the calls that the LHD has received from the public regarding ongoing water and filter distribution.
- Had conversation with donation management coordinator for local EOC. They will be in route to local EOC, estimated arrival 3:00PM. They will check in with local logistics.

DEQ
- IMT will be arrived at EOC today.
- DEQ Laboratory personnel will coordinate with LARA on the Freeman Elementary faucet replacement plan.
- The lab will have 1000 narrow mouth bottles ready for pick up by Noon on Monday (1/11). Coordinating with DTMB and Recovery on pickup, delivery and staging area.
- LARA will need to coordinate the school testing and Freeman Installation/Testing with DEQ Steve Busch 517-643-2314, buschs@michigan.gov and George Krisztian.
- Briefing provided to Chief Hagler days operations.

Local EOC Update:

- Identified resources needed/available to distribute to churches tomorrow, working with logistics at local level. Find GCCARD resource status level- Ops cleared up that the resources have been picked up by DTMB truck for tomorrow; SEOC logistics need locations where to take them. District Coordinator and DTMB will coordinate with driver for church drop locations and times.
- 9 churches have been identified at this time; currently the SEOC is still planning to have 10 locations. The last church will be identified by the SEOC.
- Red Cross volunteers will be utilized for church distribution as needed.
- Sheriff teams are established and working to canvas neighborhoods. The local EOC is working to establish a neighborhood priority for to ensure the recovery teams are not over lapping what the Sheriff teams have completed. POC from Sheriff is currently at the EOC. They will be updating activity log, updating data for GIS to develop a community grid and color coating the maps.
- EOC is working to ensure the consistency of forms the current teams are using and what teams will be using on Tuesday.
- EOC is initiating the process for volunteers and donations management, the local level is requesting further direction from the state on this process.
- SEOC DHHS Human Services staff had a conference call with local donations management and volunteer management POCs; they will be meeting Tuesday will local resources to develop understanding of what community groups are currently doing.
- United Way with support to help in the donations management process. Request by state staff in local EOC to have both individuals (donations and volunteer management staff) in the local EOC until sites are set up.
- Continue to ensure the local level is coordinating with the SEMC. Any information request coming from the SEOC to local level is per Capt./Executive Office.
- Identified a back log on updating who has received a kit in database. Per DHHS, local health department has been updating information when received.
- Donations Management to draft idea of plan (currently onsite), hopefully to have a plan today.
- DC working with ARC on the church drop off plans tomorrow. Working to have Red Cross in place prior to drop off.
- Have a request for water drop off at the churches as well. Do have access to water at Flint schools if the schedule drop off does not arrive.
- Working on the logistics plan in at the local level.
- Reception at the fire stations has been great, working on finalizing a logistics plan to do resupply if resources are depleted midday.

Request/Task Assignment Definitions
- Assigned: Currently waiting for review by Logistics Group Chief and designation to appropriate agency.
- Cancelled: Item or task is no longer requested.
- Complete: Resource or task assignment has been fulfilled.
- In Progress: Being reviewed by appropriate agency.
- Mobilized: Resource is currently being delivered to local area.
- Need Additional Information: Agency is working with requestor to obtain further information on task or resource.
- On-Scene: Resource is currently on site for use/distribution.

Resource Requests
- Assigned: No current outstanding assessments
- In progress: 12
o Additional water filter resources (7 requests total)
❑ 30,000 additional filters
❑ 20,000 bottles of water
o Long term storage
o Truck transport
o Environmental Testing and Consulting (ETC) Lead Investigator
o Data Collection Cards
o MDARD sampling kits- 500 requested
- Cancelled: None
- Complete: 4
o JIC Set Up
o 1,000 Water Filters/Cartridges
o Water supply at Fire Department
o Water Filters for Churches
- On-Scene: 4
o Genesee County Section Chief
o Genesee County IMT Coordinator
o Genesee County Planning Section Chief
o Genesee County Logistic Section Chief
- Need Additional Information: 1
o Water testing kit staging for 3,000 kits

Task Assignments
- Assigned: 2
o Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.

o Activate JIC plans
• Cancelled- 2
o Activate the State Recovery Task Force (2 requests)
• Complete- 10
o Volunteer Management Team
o GIS Support Staff
o Research West Virginia Emergency Recycling
o Genesee County Healthcare Provider Contact Information
o JIC Email Accounts
o Provide technical assistance to the local Damage Assessment process
o Establish SEOC operational period and hours of operations.
o Safety Officer
o Activate donations Management Team
o Coordinate response and recovery activities with MIVOAD and identify potential mission areas
• In Progress- 15
o Monitor MI CIMS (2 assignments)
o Establish and maintain coordination between city, county, state, federal and subject matter experts
o Obtain and maintain situational awareness and common operating picture of all activities (2 assignments)
o Technical assistance for local damage assessment
o Volunteer assignment to assist at churches
o Development of four Recovery Teams
o Identify a collocated facility for JIC
o Coordinate response and recovery activities with MIVOAD and identify potential mission areas
o Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
o Develop a comprehensive GIS strategy
o Establish and disseminate cost center information for the incident
o Two additional positions for JIC
• Mobilized – 1
o Establish and maintain coordination between city, county, state, federal and subject matter experts

Incident Response/Recovery Priorities/Objectives

1. Activate the State Recovery Task Force
2. Ensure coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate subject matter experts.
3. Obtain and maintain situational awareness and common operating picture of all activities.
4. Establish operational period and hours of operations.
5. Investigate and identify available programs for assistance with direct or related impacts.
6. Develop a comprehensive GIS strategy.
7. Identify critical resources for acquisition and allocation.
8. Coordinate response and recovery activities and identify mission areas with MIVOAD.
9. Facilitate and coordinate technical assistance among state agencies and to local agencies.
10. Provide technical assistance and facilitate the local Damage Assessment process.
11. Establish a Joint Information Center and develop a public information strategy.
12. Monitor MI CIMS for resource requests and address as appropriate.
13. Establish and disseminate cost center information for the incident.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations
Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

State Declarations

Jurisdiction(s): Date/Time:

Federal Declarations

Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

Hazardous weather outlook: http://goo.gl/gfqwBg

Upcoming Forecast

Forecast Update for Flint, MI Area
• Winter Returns with snow, winds and very cold air Sunday through the work week.
• Time to frostbite from exposed skin will be 15 to 30 minutes for the entire week starting Sunday.
• Bottled water stored outside or not in temperature controlled locations will freeze due to temperatures well below freezing Sunday through the week.

Sunday (Jan 10):
Snow, cold, wind, and hazardous travel expected from early morning through the afternoon. The area could see 2-4 inches of snow. If the rain lingers late into Sunday morning, snow accumulation will be less.

Monday (Jan 11) and Tuesday (Jan 12):
Very cold and potentially icy roads due to snow and blowing snow. Hazardous road conditions are expected Monday and Tuesday which will

cause a hazardous commute.

Wednesday (Jan 12) through Saturday (Jan 16):
Very cold with a few snow showers. Times to frostbite from exposed skin will be less than 30 minutes.

Other
7-Day Forecast - Flint, MI : http://goo.gl/3qkSIa

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions
Rivers in the affected area are below flood stage.
National Terrorism Advisory System (NTAS) Status
No information available.
Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested
All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences - Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was operational from 8 a.m. to 5 p.m. on Jan. 9. State agencies at the JIC included the Governor's Office, Departments of Licensing and Regulatory Affairs, Health and Human Services, Environmental Quality, and Michigan State Police.

Tasks accomplished during the operational period included:
- Issued JIC News Release No. 2 about the water distribution sites at select Fire Stations in the city of Flint.
- Managed inquiries on the JIC hotline about the ongoing situation, covering topics ranging from FEMA in the State Emergency Operations Center to where people or companies can submit donations.
- Began coordinating a media event for Sunday, Jan. 10, at one of the Flint Fire Station water distribution sites, including local officials.
- Drafted a media advisory for the Sunday, Jan. 10, media event, possibly at Fire Station No. 1.
- Created social media posts about the water distribution sites and the Flint water website.
- Continued development of a door hanger for the community outreach efforts beginning next week.
- Continued developing a public service announcement.
- Updated the www.michigan.gov/flintwater website.
- Staffed for the next operational period.
- Conducted a media monitoring report.

Agriculture and Rural Development (MDARD)

Two areas MDARD is monitoring:
1). Water usage in food processing, food retail, and food service (restaurants). Guidance document has been available since October; MDARD surveyed food processors in October and did not find issues.
2). Water consumption by pets / animals. There has been some evidence of lead toxicity in dogs, and there has been guidance about pets & water included in the Q & A.
Jan 7th 2016 4pm update:
MDARD and Genesee Local Health Dept. agreed to move guidance on water to a regulatory requirement. New language (after JIC

approval) will be going out to retail food establishments and restaurants with follow up inspections and sampling. Planning will continue on logistics for sampling.
Jan 8th 2016 4pm update:
Animals - Shelter Director Paul Wallace has obtained some documents to help ascertain what entities (that are not tracked via licensing and registration) that would be housing animals: 1) All the City of Flint street (physical) addresses that are on City of Flint water, 2) All the "Out-County" (physical) addresses that are on City of Flint water. The Shelter Director is also pulling the possible animal holding/gathering facilities in reference to that listing which will provide the rest of the contacts. MDARD will be getting copies of all of these lists soon. Other shelters are not on City of Flint water.
Jan 9th 2016 4pm update:
MDARD has received maps created by the SEOC GIS that locate the food service establishments.
MDARD is identifying activities to date and providing coordination in development of strategy for a plan for public nutrition, education and availability together with MDHHS, MDE, and the Genesee Health Department. MDARD together with MDHHS identified a brief nutrition message to be included on the door-to-door hangtag being developed by the JIC.

American Red Cross (ARC)

Yesterday (Friday, 1-8-16) volunteers from the American Red Cross did accompany and support the sheriff's distribution team as requested. We also initiated a formal Disaster Relief Operation (DRO 608-16) before the end of the day yesterday. The DRO headquarters is established at the Red Cross offices in Flint at 1401 S. Grand Traverse and is activated.

Today (Saturday, 1-10-16) our volunteers are staffing distribution sites established at 5 Flint fire stations where supplies of water, filters, and water testing kits are available for residents to pick up. We were not requested to support the sheriff's distribution team today. Our DRO headquarters is working today to arrange to have volunteers at each of (up to) 10 churches where filters are to be distributed tomorrow. This will be in addition to continuing to staff the distribution points at the 5 fire stations.

AuxComm

Advised Red Cross, who were concerned about the number of available volunteers, that ARES in Genesee County may be able to help.

Civil Rights (MDCR)

Monitor and support agencies with issues surrounding outreach and engagement of marginalized populations within the City of Flint impacted by the current water crisis.

Community Health (MDCH)

CHECC remains at Activation Level 1 - Normal Operations, with 24hr Duty Officer

Request from GCHD for lead investigators working on environmental health investigations has been forwarded to State Epidemiologist/Administrator and Environmental Health Division Director.

Spoke to Genesee County Emergency Preparedness Coordinator for situational awareness.

Tom Page, 2-1-1 Director, was successfully contacted. he was put into contact with MDHHS PIO to discuss/resolve caller wait times, prompting, and messaging.

Corrections (MDOC)

Administration for the MDOC has been notified and is updated on current situation. There are approximately 75 staff members working in the affected area. Potable water has been provided to the offices in the affected area since the beginning of this situation and will continue to be provided. This water is available for people working there and those that have been required to go the office. We will continue to monitor this situation for any developing issues.

Education (MDE)

MDE is monitoring the situation and coordinating as necessary with other state agencies.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) Laboratory (lab) provided 1000 water test kits for stock at points of distribution . 500 kits have been prepared for Department of Agriculture and Rural Development inspectors for pickup Monday morning. 1000 additional kits will be prepared for pickup Monday for supply for the teams scheduled to begin on Tuesday. Additional supplies continue to be ordered to provide for testing kits. DEQ lab staff are scheduled to provide training to the teams in Flint on Monday afternoon.

DEQ staff are coordinating with Licensing and Regulatory Affairs (LARA) for the implementation of the Freeman Elementary faucet replacement plan.

F/Lt. Wolf continues to fully support the State Emergency Operations Center as the DEQ representative coordinating department resources and capabilities and other duties as assigned by the State Director. DEQ staff are supporting local activities where needed.

Human Services (MDHS)

Participated in AM & PM State Agency briefings,
Completed 5 and updated the remaining resource requests.
Local MDHHS staff remain active in local EOC as human service lead.
MCSC serving as local volunteer coordinator.
MCSC serving as local donation management coordinator.
Confirmed avenue for people to volunteer.
Confirmed avenue for people to donate.
Confirmed filter allocation is still at adequate level for estimated resource requests.

Worked with Recovery on Door to Door plan. Confirmed MDHHS will have at least 10 volunteers next T- F for door to door work. CHECC remains at Level 1 Activation - Normal Operations

Licensing and Regulatory Affairs (LARA)

LARA's proposal for a pilot faucet replacement program for Freeman Elementary School was approved.

Working on putting together a list of what the next steps are with tasks to be completed.

Coordinating with DEQ to complete additional testing at Flint schools.

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids will participate in morning SEOC briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac.

Natural Resources (MDNR)

MDNR is fully participating in all SEOC activities. Situational awareness is being maintained and the department stands ready to assist as needed.
Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging - Region 5 (VAAA), in partnership with other local community agencies such as the Genesee County Health Department and MDHHS, has helped organize local meetings and distribute water and water filters. VAAA is an access point for receiving calls from homebound seniors who are not able to pick up water filters or need assistance installing water filters. VAAA reports they continue to receive calls from seniors who need assistance.

VAAA has distributed 2 bottles of water with each home delivered meal to each HDM client within the City of Flint. Water. VAAA also provided water to homebound seniors who needed water to prepare food as they had limited support to pick up bottled water. Congregate meal participants also have access to water and filters as needed. Once water filters were installed, VAAA discontinued including water with home delivered meals.

VAAA also contacted the Grandparents Raising Grandchildren program to ensure that they were aware of educational efforts and confirm the program had received water filters to distribute to program participants.

State Police (MSP)

Resource Request Received to establish a Safety Officer at the Genesee County EOC. Lt. Amy Dehner has been assigned by 3rd District Command and has reported to Local EOC.

Request for troopers to attend training event that will be provide information on filters, replacement filters, water test kits, and operations on Monday, 1 p.m., at the DHHS Office at 4809 Clio Road, Flint 48501. One squad of on-duty troopers are requested to be in attendance in a community service role. Duration of this assignment will be for approximately 1 hour. This request is being coordinated by Lt. Dehner at Local EOC. Troopers have been identified and contacted directly by Lt. Dehner and provided with information for this request.

Request for four troopers in uniform and patrol vehicle to work with volunteers in a community service role in the affected area beginning Tuesday, Jan 12, 2016. This operation will be ongoing and the end date has not been determined. Hours of operation will be 8:30am - 5pm daily. Meeting place will be GCCARD at 2727 Lippincott Boulevard, Flint 48507. This request is being coordinated by Lt. Dehner at Local EOC

MSP Public Affairs has activated MSP PIO F/Lt. Dave Kaiser as the MSP PIO at the Local EOC.

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

Provided update to management on morning briefing.

PIO requested that the co-located JIC at the state office building phones be moved to the larger meeting room and they will use the smaller room to meet with media when needed. DTMB Telecom will make the switch Monday morning. PIO also requested a large space in the city to conduct large scale media briefings. Contacted UM Flint Campus's facilities director for possible options.

Facility found (3,000 Sq. Ft.) that could be used as a distribution point for water, filters and cartridges if needed. MSP to provide guidance next week if space will be needed.

DTMB Mail and Delivery Services driver picked up pallets of water, filters, cartridges and testing kits and made deliveries to fire stations on Saturday. Two drivers will report back to Flint on Sunday to deliver the remaining filters to churches for distribution. DTMB to provide a driver and truck to pick-up an additional 1,000 water test kits in Lansing and deliver to Flint on Monday.

Incident Related Images

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/11/2016 08:00:00
Operational Period End:	01/13/2016 08:00:00
Situation Report No.	5
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/10/2016 08:00:00 Sun
SEOC Hours of Operation End:	01/10/2016 17:00:00

Executive Summary

By early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer.

On October 1, 2015 the Genesee County Health Department declared a Public Health Emergency due to the elevated blood lead levels in citizens. In response to this the City of Flint declared a local State of Emergency on December 15, 2015 and activated their Emergency Operations Center.

To mitigate the effects of the new source of water on the infrastructure in the City of Flint, the city switched back to DWSD water on October 16, 2015. Funding to reconnect to DWSD was provided from the City of Flint, the Charles Stewart Mott Foundation, and the State of Michigan. Water is now treated with a supplemental phosphate addition to rebuild the protective layer in the distribution system and reduce the leaching of lead into the water supply.

For the mitigation of potential health effects, over 24,000 water filters and replacement cartridges have been distributed to residents in the City of Flint. Approximately 13,000 water filters, water pitchers and replacement cartridges were distributed by the Michigan Department of Health and Human Services (MDHHS) in the timeframe of October 1 to December 31, 2015 alone.

MDHHS has increased surveillance of blood lead levels in children and is addressing water issues in environmental investigations to identify lead sources in the environment of affected children and provide health education and information to residents, health care providers, and daycare/educational institutions.

Local nonprofit organizations have provided potable water to Flint residents. MSP/EMHSD GIS staff is supporting county and local GIS staff by consolidating data from local sources into comprehensive databases and providing mapping services to support incident analysis and forecasting. Data and maps regarding the location of water pipes, affected schools, filter distribution locations, water monitoring results, and predictive blood lead levels for affected areas will be made available with demographics.
Before December 16, 2015, $9.35 million was provided by the State of Michigan and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While the source water has been switched back to DWSD, water in the City of Flint is still not safe to drink, unless specifically filtered.

On January 5, 2016, Governor Snyder declared a State of Emergency for the City of Flint and Genesee County. Genesee County requested the Governor's declaration on January 5, 2016, following the declaration of a State of Emergency in the county in response to the presence of lead in the public water supply and the detection of elevated blood lead levels exceeding governmental standards.

Since the declaration by the Governor on January 5th, the State Emergency Operations Center (SEOC) has been fully activated and working with local and state agencies to ensure a coordinated response to the incident. Since the activation, the SEOC has activated command staff, state agency EMC's, and implemented the Recovery Branch under the Operations Section.

SEOC Update:
Accomplished today (January 10):

- Logistics
  - o Worked on figuring out a long-term storage option. Because GCCard is large enough, centrally located and comes staffed, we are going to use this for a while until a logical long-term storage option can be found. GCCard has 75,000 sq. ft. and has warehouse managers to assist with tracking resources coming in and out.
  - o Requested an inventory of what has been distributed so far. Determined that the local health department wouldn't staff anyone during the weekend, so the only numbers we could obtain have not been updated since 1/8/16.
  - o Assigned someone at the local EOC to find anyone to enter the address cards collected from all the distribution sites. In order to determine what areas are in greater need, these address cards are essential for the GIS tracking and reporting.
  - o Determine water quantities in Flint.
  - o Worked with recovery on needs for door-to-door operation.
  - o Completed 204's for 3 objectives.
- Assigned requests:
  - o Extra volunteers for the added fire department hours. (MDHHS – Thelen)
  - o There was an extra church that was added. A request went through to ensure they received supplies and volunteers. (Local EOC)
  - o Flyers were created, printed and distributed to the 9 churches. (JIC, DTMB and Local EOC)
  - o Gate Operations for the broken SEOC Gates. (MSP)
  - o More cards for churches & FD's. (Logistics)
  - o Locate replacement filters in the Flint area. (Local EOC)
  - o Deliver 6 pallets of donated water to GCard. (ARC)
  - o Develop re-stock plan for distribution sites. (local EOC)

o Box trucks to assist with the door-to-door operation.
o Purchasing more replacement filters.
o Door hangers.
o Extra staffing for Brianna needed and assigned to begin Monday morning.

• JIC
o Flyer for churches approved.
o Door hanger's ready for teams tomorrow – may need to be picked up.
o Media availability went very well, great coverage.
o Sheriff still operating the strike team and coordinating with local EOC.
o Requested PSA on the radio. Media has been approved and working with MAB.
o Received good press on PODs.
o Working on developing signage for PODs.
o 211 advised about influx of calls – let JIC know if issues arise.
o Social media messaging continuing.
o Finalizing JIC Battle Rhythm.
o News release likely going out tomorrow regarding canvassing in neighborhoods.
o Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
o Google PR offered any available assistance, mapping-warehousing-transportation.
o JIC moving tomorrow to Flint, likely need hotels, media room requirements to DTMB.
o Materials being transferred into bi-lingual (Spanish) using Civil Rights resources.
o Planning media avail tomorrow.

• Recovery Branch
o Expanded operational hours for canvassing.
o Working with the EOC to find most impacted areas for canvassing.
o Working with F/Lt. Mike Johnson for developing a strategy for teams in the field Tuesday.
o Training tomorrow will provide training on filters, strategy, safety, and water testing kits.
o Getting additional staffing tomorrow.

• Planning Section
o Objectives have been updated and SitRep will be distributed today.
o Facilitated three SEOC agency and local EOC briefs.
o Worked with FEMA LNOs on planning cycle and draft objectives.
o Completed Sit Rep and draft IAP and summary bullets for command.
o Completed draft ICS forms for branch chiefs to use to track tasks.

• Operations Section
o Ensured the delivery of water and filters to the 9 churches in the Flint area.
o Discussed strategies for community outreach (door to door).
o Worked on facility safety at Collins Road (gate issues/lighting).
o Manage Task assignments for the SEOC (Press avail/door hangers/rules for water pickup).
o Requested a second DC to assist in Region 3 (Lt. Russo), start time TBD.
o Requested product information required to design signs for the fire stations to make it visibly apparent to the public. Awaiting feedback from fire stations (through Lt. Roach).
o Developed Branch Directors within the SEOC to reduce span of control (specifically Human Services Branch Richard Thelen) and Health and Environmental Branch (Jennifer Lixey-Terrill).
o Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location.
❑ GCCard is large enough, centrally located and comes staffed. We will use this sight temporarily until a logical long-term storage option can be found. GCCard has 75,000 sq. ft. with warehouse managers to assist with tracking resources coming in and out.
o Distributed to date (1/8/16). Logistics has asked GIS to provide us daily updates of how much was distributed each day.
❑ 12,386 filters
❑ 1,985 replacement filters
❑ 354 Pitchers
❑ 2500 Lead Testing Kits
o Local EOC was asked to identify someone to enter the information collected on address cards from all the distribution sites as essential for the GIS tracking and reporting.
o Fire stations were initially established for 9am-4pm operations; this has been extended to 9am-9pm operation. Volunteers were located to accommodate these operations. This will continue as long as the need is realized.
o Logistics is in process of locating additional replacement filters.
o Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to ensure distribution sites maintain an appropriate level of inventory.

• Finance Section
o Continuing to track personnel resources located in the SEOC and local EOC for use in spend plan development;
o Located hotel in the Flint area for staff on travel status to stay and have bill send directly to SEOC.
❑ Holiday Inn – Flint
5353 Gateway Centre Drive
Flint, MI
810-232-5300
❑ Contact Finance Group Chief or appropriate State EM to set up initial stay and billing information.
o Monitoring resource request board for costs incurred by state agencies for inclusion in spend plan.

The SEOC continues to provide:
• Situational awareness.
• Common operating picture/objectives.
• Coordination with city/county.
• Potential coordination with federal agencies.
• Incident prioritization.
• Coordination of life/health safety measures.
• Provide resources.
• Public Information Control.

MSP/EMHSD GIS Section Updates
Accomplished Today (January 10):
- Submitted report on total number of filters, pitchers, and replacement cartridges to Logistics.
- Printed map of wards for the City of Flint with Points of Distribution overlaid.
- LARA maps of Health Facilities and Active Facilities in progress.
- Geocoding water filter distribution addresses.
- Devise a method for measuring water filter distributions throughout the city. We will sum filter distribution by city block and produce distribution maps by block.
- DDACS Crime map overlay onto distribution map.

DTMB:
- Jeanette Doll at SEOC. Spoke to driver who is in Flint at first delivery church.
- Obtaining 3 quotes for printing of flyers for the churches this morning.
- Sent flyer to printer, provided Michelle with pickup information. Should be ready within the hour.
- DEQ requesting assistance with water bottle contract as vendor is running out of bottles and money ran out on contract. DTMB procurement director will work with DEQ on solution.
- Flyer ready for pickup shared information with logistics and Michelle.
- Spoke with DTMB Telecom director who confirmed that phones in co-located JIC will be ready in the larger room for Monday morning.
- Spoke with DTMB Mail Services on truck availability. Four trucks with drivers are available beginning Monday morning if needed.
- Coordinated contact with U of M Flint for use of media rooms.
- 4 cube trucks and drivers are available Tuesday.

DHHS-CH
- Appointed as Health Branch Director in the SEOC. Branch consists of MDEQ, MDARD, and MDHHS (health side only).
- Confirmed with the JIC and the LEOC in Genesee County that updates to 2-1-1 on water resource sites being listed on the pre-recorded 2-1-1 message will be provided to 2-1-1 daily by the JIC.
- Confirmed with Tom Page, Executive Director of 211, that the 211 pre-recorded messages for Monday, January 11, 2016, will include a listing of the water resource sites by zip code in Genesee County.

DEQ
- DTMB contacted to advise of POTENTIAL vendor / contract issues. Contingencies are currently being developed.
- Requested water kits be palletized and pre-staged on loading dock for pick up tomorrow to lab director.
- Update on water test tubes.
- MDARD- 500 1/11/16
- Sent out- 1000 1/8/16
- On hand- 500 1/11/16
- Lab to order 3,000 on 1/11/16. Lab ordered 1,000 on 1/8/16.
- Location secured for shipment of additional test bottles as the GCCARD. Info relayed to Lab Director.

Local EOC Update:

- Working to coordinate resources at the local level to maintain distribution of supplies at all PODs.
- Seeing supplies rapidly disappear from PODs today. Working to make sure POD managers are notifying us when they start running low.
- Working to establish a warehouse for local resource storage.
- Deploying additional District Coordinator tomorrow (Lt. Mark Russo).
- Working to establish minimum trigger points for resources at PODs.

Request/Task Assignment Definitions
- Assigned: Currently waiting for review by Logistics Group Chief and designation to appropriate agency.
- Cancelled: Item or task is no longer requested.
- Complete: Resource or task assignment has been fulfilled.
- In Progress: Being reviewed by appropriate agency.
- Mobilized: Resource is currently being delivered to local area.
- Need Additional Information: Agency is working with requestor to obtain further information on task or resource.
- On-Scene: Resource is currently on site for use/distribution.

Resource Requests

- Assigned: 1
  - Box trucks for water resource teams.

- In progress: 13
  - Additional water filter resources (7 requests total).
    - 30,000 additional filters.
    - 20,000 bottles of water.
  - Long term storage.
  - Truck transport.
  - Environmental Testing and Consulting (ETC) Lead Investigator.
  - Data Collection Cards.
  - MDARD sampling kits- 500 requested.

- Cancelled: None

- Complete: 5
  - JIC Set Up.
  - 1,000 Water Filters/Cartridges.
  - Water supply at Fire Department.
  - Water Filters for Churches.

- On-Scene: 4
  - Genesee County Section Chief.

o Genesee County IMT Coordinator.
o Genesee County Planning Section Chief.
o Genesee County Logistic Section Chief.

• Need Additional Information: 0

Task Assignments

• Assigned: 5
o Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
o Activate JIC plans.
o Create GovDelivery topic for public information.
o Establish method for routine communication of resource inventories and distribution amounts.

• Cancelled: 2
o Activate the State Recovery Task Force (2 requests).

• Complete: 16
o Volunteer Management Team.
o GIS Support Staff.
o Research West Virginia Emergency Recycling.
o Genesee County Healthcare Provider Contact Information.
o JIC Email Accounts.
o Provide technical assistance to the local Damage Assessment process.
o Establish SEOC operational period and hours of operations.
o Safety Officer.
o Activate donations Management Team.
o Coordinate response and recovery activities with MIVOAD and identify potential mission areas.

• In Progress: 26
o Monitor MI CIMS (2 assignments).
o Establish and maintain coordination between city, county, state, federal and subject matter experts.
o Obtain and maintain situational awareness and common operating picture of all activities (2 assignments).
o Technical assistance for local damage assessment.
o Volunteer assignment to assist at churches.
o Development of four Recovery Teams.
o Identify a collocated facility for JIC.
o Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
o Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
o Develop a comprehensive GIS strategy.
o Establish and disseminate cost center information for the incident.
o Two additional positions for JIC.

• Mobilized: 1
Establish and maintain coordination between city, county, state, federal and subject matter experts.

Incident Response/Recovery Priorities/Objectives

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
3. Improve and maintain public information strategy.
4. Develop a long term public health and services plan.
5. Ensure adequate staffing to support operational requirements.
6. Identify possible assistance programs.
7. Develop an approved GIS strategy.
8. Maintain coordination between partner agencies and organizations.
9. Enhance situational awareness and common operating picture of all activities.
10. Develop a comprehensive Recovery Plan.

Emergency Declarations

Local Declarations
Jurisdiction(s): Date/Time:
Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations
Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

State Declarations
Jurisdiction(s): Date/Time:

Federal Declarations
Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

Upcoming Forecast

-Forecast Update for Flint, MI Area: January 10, 2016
- Break from significant snow Sunday afternoon through Monday late afternoon.
- Snow returns Monday night and continues through Tuesday with very hazardous travel expected.
- Very cold temperatures expected through the entire week. The cold could limit ability to remove ice from road surfaces.
- Time to frostbite from exposed skin will be 15 to 30 minutes all week
- Bottled water stored outside or not in temperature controlled locations will freeze due to temperatures well below freezing through the week.

-Sunday (Jan 10):
- Heaviest snow coming to an end around 12pm. Around 1 inch of additional accumulation possible before snow ends. Some periodic light snow after 12pm, no significant additional accumulation expected. Hazardous travel likely with icy roads and blowing snow.

-Sunday afternoon (Jan 10) through Monday evening (Jan 12):
- On and off light snow with no significant accumulation expected. Icy roads likely for Monday morning and Monday evening commutes.

-Monday evening (Jan 11) through Tuesday (Jan 12)
- Snow and blowing snow will create hazardous driving conditions, very low visibility, and icy road surfaces. Could see 2-4 inches of accumulation in the Flint area. This snow event will impact all of the Lower Peninsula, so transportation to and from the Flint area will be very hazardous Monday night through Tuesday.

-Wednesday (Jan 12) through Saturday (Jan 16):
- Very cold with a few snow showers. High temperatures around 20-25 degrees, low temperatures around 10-15 degrees.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSla

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences - Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was operational from 8 a.m. to 5 p.m. on Jan. 10. State agencies at the JIC included the Governor's Office, Health and Human Services, and Michigan State Police.

Tasks accomplished during the operational period included:
- Finished coordinating and held a media event for Sunday, Jan. 10 at Flint Fire Station No. 1.
- Sent a media advisory for the Sunday, Jan. 10, media event at Fire Station No. 1.
- Drafted and sent JIC News Release No. 3 about deploying water resource teams in the city of Flint.
- Created social media posts about the water distribution sites and the Flint water website.
- Continued development of a door hanger for the community outreach efforts beginning next week.

- Continued developing a public service announcement.
- Updated the www.michigan.gov/flintwater website.
- Staffed for the next operational period.
- Conducted a media monitoring report.

Agriculture and Rural Development (MDARD)

Jan 10th - 1/10/16 - Briefed Director Clover Adams after a.m. call. MDARD goals over the next few days: 1) Food - identification and prioritization of food service and food retail businesses and coordination with Genesee Co. Health Department on notification and inspection related to water usage; 2) Animals - continue outreach and education to animal facilities, in coordination with Genesee Co. Animal Control; 3) Review history and look at opportunities for assistance/guidance related to nutrition, including possible support through donations management.

American Red Cross (ARC)

Today the American Red Cross provided volunteers to staff 14 distribution sites (5 fire stations, 9 churches). The church sites distributed water and water filters while the fire station sites additionally distributed filter cartridge replacements and water testing kits.
To facilitate distribution the ARC delivered water filters and bottled water to the church distribution sites. Throughout the day we have maintained representation at both the Genesee County EOC and Michigan's SEOC.

Early in the day we noted that there had been no instructions with the water testing kits delivered to Fire Station #6. Our plan to fix this by making photo-copies from instruction sheets delivered to another station were delayed due to some logistical issues which have been resolved. Copies are now in progress for both station #6 and station #8 (station #8 ran out of instructions today).

ARC headquarters has made plans and assignments to assure that we continue to staff the distribution sites at the 5 fire stations from 9 am. to 9 pm. each day through next Sunday (1-17-16). We are committed to deliver 6 pallets of bottled water, supplied by our Grand Rapids office, to G-CARD tomorrow (Monday, 1-11-16).

Civil Rights (MDCR)

Monitor and support agencies with issues surrounding outreach and engagement of marginalized populations within the City of Flint impacted by the current water crisis. Provide background on LEP/Bi-lingual and bi-cultural needs and resource obligations as well as resource and referral list qualification.

Community Health (MDCH)

Spoke to MDHHS PIO regarding the issue of water sampling test kit instructions not being provided with the test kits given out on 1/09/16 at one resource site location. DEQ confirmed with American Red Cross that local volunteers are making photocopies of the instructions to ensure adequate supply going forward.

Spoke to LEOC logistics regarding potential state facility resources available via MOUs between the private sector and MDHHS. The status of this resource request is on hold.

MDHHS EMC for ESF#8 was appointed as Health Branch Director in the SEOC. Branch consists of MDEQ, MDARD, and MDHHS (health side only).

Spoke with the JIC and MDHHS leadership to determine the need for a 24/7 phone line for questions regarding health and Flint water. It was determined by MDHHS, the JIC, and LHD that the message would instead be to call 2-1-1 or contact their primary care provider, rather than setting up a separate toll free number.

Confirmed with the JIC and the LEOC in Genesee County that updates to 2-1-1 on water resource sites that are listed on the pre-recorded 2-1-1 message will be provided to 2-1-1 daily by the JIC.

Confirmed with Tom Page, Executive Director of 211, that the 211 pre-recorded message for Monday, January 11, 2016, will include a listing of the water resource sites by zip code in Genesee County.

Held a conference call with CHECC leadership and MDHHS ESF#6 EMC to discuss the CHECC level of activation.

Corrections (MDOC)

January 8, 2015:

Administration for the MDOC has been notified and is updated on current situation. There are approximately 75 staff members working in the affected area. Potable water has been provided to the offices in the affected area since the beginning of this situation and will continue to be provided. This water is available for people working there and those that have been required to go the office. We will continue to monitor this situation for any developing issues.

Education (MDE)

MDE is monitoring the situation and coordinating as necessary with other state agencies.

Kyle Guerrant, Deputy Superintendent, was on-site at the SEOC; January 10, 0915-1425.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) Laboratory (lab) provided 1000 water test kits for stock at Flint points of distribution. 500 kits have been prepared for MDARD inspectors for pickup Monday morning. 1000 additional kits will be prepared for pickup Monday for supply for the teams scheduled to begin on Tuesday. 3000 kits are being ordered Monday morning to supplement stock. DEQ lab staff are scheduled to provide training to the teams in Flint on Monday afternoon. Contracts are being identified and examined to possibly expand vendor capabilities for providing additional resources.

DEQ staff are coordinating with Licensing and Regulatory Affairs (LARA) for the implementation of the Freeman Elementary faucet

replacement plan.

DEQ and DNR staff are supporting state and local activities where needed.

Human Services (MDHS)

Participated in AM & PM State Agency briefings,
Updated resource requests.
Volunteer Coordinator at local level coordinated with ARC on FD staffing for extended hours of 9:00 - 21:00
Confirmed filter allocation is still at adequate level for estimated resource requests.
Worked with Recovery on Door to Door plan. Confirmed MDHHS will have volunteers next T- F for door to door work.
Late last night ordered 30,000 additional filters and replacement cartridges. ETAs coming
Ordered 93 pallets of water from South Carolina. ETAs coming
Appointed Human Services Branch Director, Branch includes MDHHS including Aging & Adult Services, MDE, MDCR,& ARC
Brought in Human Services EMC backup.
CHECC remains at Level 1 Activation - Normal Operations

Licensing and Regulatory Affairs (LARA)

LARA's proposal for a pilot faucet replacement program for Freeman Elementary School was approved.

Working on putting together a list of what the next steps are with tasks to be completed.

Coordinating with DEQ to complete additional testing at Flint schools.

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids will staff SEOC Monday, Jan 11. Otherwise, will participate in SEOC briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac.

Natural Resources (MDNR)

MDNR is fully participating in all SEOC activities. Situational awareness is being maintained and the department stands ready to assist as needed.
Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging - Region 5 (VAAA), in partnership with other local community agencies such as the Genesee County Health Department and MDHHS, has helped organize local meetings and distribute water and water filters. VAAA is an access point for receiving calls from homebound seniors who are not able to pick up water filters or need assistance installing water filters. VAAA reports they continue to receive calls from seniors who need assistance.

VAAA has distributed 2 bottles of water with each home delivered meal to each HDM client within the City of Flint. Water. VAAA also provided water to homebound seniors who needed water to prepare food as they had limited support to pick up bottled water. Congregate meal participants also have access to water and filters as needed. Once water filters were installed, VAAA discontinued including water with home delivered meals.

VAAA also contacted the Grandparents Raising Grandchildren program to ensure that they were aware of educational efforts and confirm the program had received water filters to distribute to program participants.

State Police (MSP)

A resource request was received to staff a Capitol Security Officer at the Collins Rd. facility from 0730 hrs until 1800 hrs on 1/10/16 only. An officer arrived at 1025 hrs and the facility will be staffed until 1800 hrs. This request was fulfilled.

A resource request was made to determine if the door to door operational hours should be expanded. Based on information received from Lt. Dehner it was determined the hours would remain 8:30 AM - 5 PM. Additionally, the Troopers assisting on this detail are to be used for security only.

A resource request was received to provide a security/safety briefing to the Water Resource Teams during the training scheduled at 1 p.m. on Monday, Jan 11 at DHHS Office. Specific items to include would be team safety, weather concerns, and any items determined important by MSP. Daily deployment briefings will be needed at 0830 at the GCCARD facility for all teams to include safety, security, and daily work assignments. The Recovery Branch Director will provide the daily work assignment to Lt. Dehner by 0800 hrs. Lt. Dehner will be responsible to assign one of the field personnel assisting the door to door operations to brief the group at the GCARD facility each morning. This resource request was assigned to the MSP REP.

The ICS 208 Safety Message/Plan was reviewed and driving information was added.

A safety briefing was provided to EOC and SEOC personnel during the briefing meetings.

Technology, Management and Budget (MDTMB)

Worked with University of Michigan Flint PIO for an area on the campus to conduct press briefings. Chancellor contacted and onboard with the state using their facilities as needed. Provided contact information to the JIC.

DTMB Real Estate Division located a warehouse facility within the city with 100,000 square feet that may be used.

DTMB Mail and Delivery Services drivers delivered water filters to drop off sites within the city. Drivers remained in the city and assisted with transporting of water throughout the day. DTMB has a driver and truck scheduled on Monday to pick-up additional

1,000 water test kits in Lansing and deliver to Flint. Mail and Delivery Services has four trucks/drivers available on

DTMB Telecom assisted in moving joint information center in the Flint Office Building telephones to larger room.

Printed 2,000 water informational flyers on Sunday morning to provide to churches. Purchased filters and replacement cartridges to ensure availability until large order arrives.

Incident Related Images

Flint - Points of Distribution

RETAIN THIS IMAGE
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RETAIN THIS IMAGE
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Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/11/2016 08:00:00
Operational Period End:	01/13/2016 08:00:00
Situation Report No.	6
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/11/2016 08:00:00
SEOC Hours of Operation End:	01/11/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 10):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Provide resources.
- Public Information Control.

- Logistics
o Worked on maintaining supplies and track resources at each of the local PODs.
o Worked to establish a Red Cross warehousing/logistics team to assist GCCARD.

- JIC
o Media event at the Genesee County Office Building.
o Governor and Capt. Kelenske spoke.
o Video for distribution will be filmed today
o MDHHS is working on radio PSA information
o Working on getting Comcast and Dish Network to provide channel for looped information and POC for Google.

- Recovery Branch
o Working with MSP to develop areas for canvassing and trained staff.
o Working with JIC to make sure PIO is connected with the team they will shadow.

- Planning Section
o Worked with the local EOC to get accurate inventory information.
o Supported logistics by reaching out to local and regional businesses to establish a steady water supply.
o Worked with GIS branch to refine strategy

- Operations Section
o SEOC has expanded hours of operation to be from 8am-8pm.
o Fire stations up and running today and providing resources to the citizens.
o Tomorrow will be a planning day for the SEOC for the next operational period.
o Tasked planning section with assisting logistics with water resource investigation and procurement.
o The State Deputy Director and FEMA LNO contacted governmental agencies for possible water procurement.
o Internal resources for bulk water delivery have been identified.
o Some water donations have been attained to supplement supply and will begin distribution periodically over the next two weeks.
o An ongoing purchase of bottled water that been established through Home Depot to deliver 6,000 cases of water per day. The first delivery will occur tomorrow.

- Finance Section
o Established direct billing accounts with three food establishments that can deliver lunch to staff in the Local EOC and JIC.
o Continuing to track SEOC staff and provide guidance on procurement and tracking SEOC costs. Task in progress as it is long term and continuing.

- GIS Branch Updates
o Updated distribution sites map.
o Submitted a request to ESRI (GIS Vendor) to supplement our technology and provide professional services in support of the incident.
o Updated Flint DDACTS (crime analysis) hotspots.
o Setup ArcGIS in conjunction with Flint GIS staff.
o Configured mobile app for field data collection during MSP neighborhood visits.
o Began mapping lead service lines (anticipate having draft of lead service lines Friday).
o Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

DTMB:
- Cards were printed for churches and fire stations by 11:30am. Two additional trucks for distribution will be in the City all week. Trucks are available to deliver resources until 9 pm.
- Two trucks are being deployed to assist with supply distributions in the neighborhood.
- Contacted Home Depot; starting Tuesday they will deliver 4 truckloads of water to GCCARD for the next 5 days.

DHHS-CH
• The Community Health Emergency Coordination Center (CHECC) has officially elevated its level of activation to "Level 2 - Partial Activation." Currently the CHECC is staffed with BETP leadership and Section Chiefs only. SMEs will be brought in as necessary.
• Coordinating with MDE and MDARD on nutritional planning communications.
• Coordinating with the CHECC to determine status of Environmental Testing and Consulting Lead Investigator(s) request.

DEQ
• DTMB will pick up a shipment from the lab at 3pm today. The lab will have as much as they can have ready on the loading lock at 3pm.
• Simplified sampling form that has gone to DTMB to print and will be there tomorrow.
• There were 1,382 bottles picked up today, Monday afternoon. There are approximately 3,200 bottles remaining in Lansing. These will all be ready to ship tomorrow afternoon.

Local EOC Update:
• Local EOC operational hours are from 8am-9pm.
• Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
• Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
• Working to establish a warehouse for local resource storage.
• Additional DC Mark Russo
• Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
• Discussed potential long-term water sources between local EOC and SEOC.
• Established planning cycle/meeting scheduled for 1/12/16.
• *Developed Sit Rep #1.*
• Met with Natasha Henderson to request deployment of City representative at local EOC.

Incident Response/Recovery Priorities/Objectives

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
3. Improve and maintain public information strategy.
4. Develop a long term public health and services plan.
5. Ensure adequate staffing to support operational requirements.
6. Identify possible assistance programs.
7. Develop an approved GIS strategy.
8. Maintain coordination between partner agencies and organizations.
9. Enhance situational awareness and common operating picture of all activities.
10. Develop a comprehensive Recovery Plan.

Emergency Declarations

Local Declarations
Jurisdiction(s): Date/Time:
Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations
Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

State Declarations
Jurisdiction(s): Date/Time:

Federal Declarations
Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

Upcoming Forecast
Forecast Update for Flint, MI Area: Posted 945am January 11, 2016

• Snow and wind will return after 5pm Monday (Jan 11) and will continue through Tuesday (Jan 12) with very hazardous travel expected.
• Very cold through the entire week. The cold could limit ability to remove ice from road surfaces
• Frostbite time for exposed skin will be 15 to 30 minutes all week.
• Bottled water *stored outside or not in temperature controlled locations will freeze due to temperatures well below freezing through the week*

-Until around 5pm Monday (Jan 11):
• Periodic light snow with limited accumulation expected today. Icy roads are expected for Monday evening commute.

-Monday 5pm (Jan 11) through Tuesday Night (Jan 12)
• Snow and blowing snow will create hazardous driving conditions, very low visibility, and icy road surfaces. Could see 2-4 inches of accumulation in the Flint area. This snow/blowing snow will impact all of the Lower Peninsula, so transportation to and from the Flint area will be very hazardous Monday night through Tuesday.
• Snow will blow back on to treated roads. Rapid Changes in visibility and road conditions are likely. This type of weather is typical when Michigan has some road closures and larger multi-car accidents.

-Wednesday (Jan 13) through Saturday (Jan 16):
• Very cold with a few snow showers. High Temperatures around 20-25 degrees, Low temperatures around 10-15 degrees.

Other
7-Day Forecast - Flint, MI : http://goo.gl/3qkSIa

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions
Rivers in the affected area are below flood stage.
National Terrorism Advisory System (NTAS) Status
No information available.
Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested
All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was operational for the first time in Flint from 8 a.m. to 5 p.m. on Jan. 11. State agencies at the JIC included the Governor's Office, Health and Human Services, Michigan Department of Agriculture and Rural Development, and Department of Technology and Management and Budget, and Michigan State Police.

Tasks accomplished during the operational period included:
• Coordinated with the Governor's Office for a 2:30 p.m. press conference in the city of Flint. This action item included multi-agency collaboration and the development of talking points under a very tight timeframe.
• Created a script for a Comcast video PSA.
• Finalizing radio PSA with the Michigan Association of Broadcasters.
• Secured a field PIO and state videographer and photographer for embedding during water resource team operations.
• Drafted a media advisory announcing the water resource teams, including a media opportunity.
• Looking into Comcast/Dish Network dedicated video.
• Continued to monitor media and social media.
• Issued and drafted social media posts about the ongoing situation.
• Worked with DTMB and facilities to ensure a functioning Flint JIC.

Agriculture and Rural Development (MDARD)

Jan 11th - 1/11/16 - MDARD Activities: Have updated the guidance document to be a regulatory document for water in retail food and restaurants/food service; document is going through the approval process including the JIC. MDARD is making plans for distribution and then follow up. On animals - we expect to get a list of kennels, clinics, rescue organizations, etc., by the end of the day for additional outreach. Any materials will be coordinated through the JIC. MDARD provided information on water companies in the State as potential contacts for supplies of water.

MDARD goals over the next few days: 1) Food - identification and prioritization of food service and food retail businesses and coordination with Genesee Co. Health Department on notification and inspection related to water usage; 2) Animals - continue outreach and education to animal facilities, in coordination with Genesee Co. Animal Control; 3) Review history and look at opportunities for assistance/guidance related to nutrition, including possible support through donations management.

American Red Cross (ARC)

Today the American Red Cross provided volunteers to 5 fire stations to distribute water, filter, replacement cartridges, and water test kits. Inventory reports from these distribution sites are now being made hourly. Throughout the day we have maintained representation at both the Genesee County EOC and Michigan's SEOC.

Early in the day we noted that DEQ was hoping to find volunteers to assemble water test kits prior to distribution. The Red cross indicates it is ready to secure such volunteers once we have a formal request.

We have also been notified that a request for a warehousing team will be coming to the ARC. Our Flint headquarters has been made aware of this pending request and expects to be able to activate a team once we have the details.

We will be staffing the 5 fire station distribution sites again tomorrow from 9am to 9pm.
Our headquarters will also be participating in two meetings convening an expanded group of community partners on Tuesday.

Civil Rights (MDCR)

Continued to provide support and assistance to assigned Human Services branch assignment and other SEOC activities. Briefed MDCR Community Relations Division staff; sourced non-Christian places of worship.

Community Health (MDCH)

Coordinating with MDE and MDARD on nutritional planning communications.

Coordinating with the CHECC to determine status of ETC lead investigator(s) request.

Requested that the Human Services EMC have visibility of CHECC Activity Logs.

Task assignment for IMATS support has been re-assigned to the CHECC.

Requested that the CHECC research the availability of volunteer support for the door-to-door operations.

Spoke to the Local Health Department Emergency Preparedness Coordinator regarding the data entry of distributed filters. She is currently collecting all of the information cards from various locations and working with American Red Cross volunteers to get that data entered into the database as quickly as possible.

CHECC will be looking into the nutritional planning for MDHHS.

Held a conference call with CHECC leadership staff to discuss activities. Reassigned the request for information from the Bureau of Epidemiology to the CHECC to facilitate.

The Community Health Emergency Coordination Center (CHECC) has officially elevated it's level of activation to "Level 2 - Partial Activation." Currently the CHECC is staffed with BETP leadership and Section Chiefs only. SMEs will be brought in as necessary.

Corrections (MDOC)

The MDOC continues to monitor the situation and our staff as well as our clients in the community. Water will remain available at the office for both staff and clients to use whil at the Parole and Probation offices in the area. EM staff from the MDOC will contiue to monitor MiCIMS and attend briefings. We remain available to assist in addressing this situation.

Education (MDE)

MDE is distributing nutrition guidelines for "Help Fight Lead Poisoning with a Healthy Diet" handout. Additional MDE staff trained for SEOC. (1/11)

MDE is monitoring the situation and coordinating as necessary with other state agencies.

Kyle Guerrant, Deputy Superintendent, was on-site at the SEOC; January 10, 0915-1425.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities:
- Delivery of 1500 water test kits to MCCARD
- 10,000 water test bottles ordered
- Sampling form developed in collaboration with the City. 20,000 printed.
- SEOC Staffed
- DEQ personnel supporting local needs

Human Services (MDHS)

Participated in AM & PM State Agency briefings,
Updated resource requests.
Training was completed for the Door to Door Distribution plan at our Clio Road office.
Received a reach out from Meijer and Walmart on how they can help. Held conference call with Meijer, they will be delivering water today to GCCARD. Walmart information sent to logistics.
We have received a schedule for water deliveries.
CHECC was upgraded to Level 2 Activation

Licensing and Regulatory Affairs (LARA)

LARA Excutive Staff met and was updated on the situation in Flint. This will be a weekly meeting.

Spoke with the Flint Superintendent of Schools, Mr. Tawwab regarding the faucet pilot program. He has approved us to move forward with this program.

Joe Madziar, LARA's Plumbing Division Chief, will be going to Freeman Elementary to develop a material list.

We are working with Tony Sitko, building manager for Flint, to coordinate a schedule for the Plumbing Division to be able to get into the school to complete the work.

I am communicating with the DEQ to schedule re-testing for Freeman Elementary pilot project.

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids will participate in SEOC briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac.

Natural Resources (MDNR)

MDNR is fully participating in all SEOC activities. Situational awareness is being maintained and the department stands ready to assist as needed.
Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging - Region 5 (VAAA), in partnership with other local community agencies such as the Genesee County Health Department and MDHHS, has helped organize local meetings and distribute water and water filters. VAAA is an access point for receiving calls from homebound seniors who are not able to pick up water filters or need assistance installing water filters. VAAA reports they continue to receive calls from seniors who need assistance.

VAAA has distributed 2 bottles of water with each home delivered meal to each HDM client within the City of Flint. Water. VAAA also provided water to homebound seniors who needed water to prepare food as they had limited support to pick up bottled water. Congregate meal participants also have access to water and filters as needed. Once water filters were installed, VAAA discontinued including water with home delivered meals.

VAAA also contacted the Grandparents Raising Grandchildren program to ensure that they were aware of educational efforts and confirm the program had received water filters to distribute to program participants.

State Police (MSP)

Request received to determine who is leading the deployment efforts for this project (location for distribution, etc.). Lt. Dehner will provide coordination of distribution from the local EOC.

GIS maps with dots where distribution or pick-up has already been made and been provided to Lt. Dehner in both email and printed form.

Resource request has been submitted for 8 iPads that are loaded with GIS information, so that those working on distribution can just enter it on-scene, rather than keeping paper logs.

We are trying to determine if someone has walk routes previously identified to reduce backtracking and provide a good way to make sure we hit all locations. US Postal Service delivery routes will not work for this purpose as some homes do not get home delivery and use a PO Box instead. Inquiry has been made to Flint Water Department for their meter reading routes to determine if this will meet this need.

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

DTMB Mail Services provided two drivers to assist with supply deliveries in the city for the week. Two additional drivers will be onsite Tuesday to assist with door-to-door supply needs. Additional drivers are available if needed.

DTMB Print and Graphic Services provided expedited service on water-testing English and Spanish cards, information cards for churches and fire departments, water sampling billing return sheet and bathing information.

Provided access to the facility and parking structure for the PIOs working out of the Flint State Office Building. DTMB providing additional security personnel at the building.

Procurement office assisted in a conference call with vendor on acquiring additional water testing kits as well as other contracts as needed to fulfill resource requests.

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/13/2016 08:00:00
Operational Period End:	01/15/2016 08:00:00
Situation Report No.	7
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/12/2016 08:00:00 Tue
SEOC Hours of Operation End:	01/12/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 12):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Provide resources.
- Public Information Control.

- Logistics
o Worked on maintaining supplies and track resources at each of the local PODs.
o Worked to establish a Red Cross warehousing team to assist at two new warehouse locations.
o 50,000 sq. ft. warehouse facility established and will begin accepting resources Wednesday January 13, 2016.
o Working with DTMB to locate vehicles needed for Water Resource Canvassing on Thursday, January 14, 2016.

- JIC
o Media was imbedded with a canvassing team today.
o Media coverage on the canvassing was very positive.
o Approved a MDARD fact sheet for distribution.
o The Governor's office has pushed out a video PSA lead by Capt. Chris Kelenske.

- Recovery Branch
o Working with MSP SEMC to expand door to door teams this week. Expanded canvassing scheduled for Thursday January 14, 2016.
o Canvassing today was successful and put 4 teams of 6 in the field.
o Totals resources distributed in canvassing operation for 1/12/16:
❑ 217 Door hangars.
❑ 117 Water (cases).
❑ 112 Faucet filters.
❑ 3 Pitchers.
❑ 48 Water test kits.

- Planning Section
o Developed real time tracking system for local resources.
o Working with GIS to include local POD numbers in live GIS distribution map.
o Completed IAP for the next operational period and the Situation Report for daily activities.

- Operations Section
o Fire stations up and running today and providing resources to the citizens.
o Water resources have been scheduled to fill the designated warehouses.
o Filter resources have been procured and will be delivered over the week to fill the warehouse.
o Second warehouse 100,000 sq. ft. has been procured.
o American Red Cross warehouse management team on site at GCCARD.
o Daily Numbers:
❑ Filters.
- 2,000 delivered.
- 64,700 ordered.
❑ Replacement Cartridges.
- 10,400 delivered.
- 184,300 ordered.
❑ Water (cases).
- 7,824 delivered.
- 19,152 ordered.
❑ Test Kits.
- 6,601 kits delivered.
- 1,000 ordered.
- Finance Section.
o Continuing to monitor SEOC staffing and costs incurred on a daily basis.
o Develop projection of anticipated costs for response and short-term recovery.

• GIS Branch Updates.
o Today we began migrating content to ArcGIS Online to streamline resource management operations.
o Deployed ArcGIS Online Collector App to field teams and tracked resources and site visits. Building a similar tracker for PODs to track the status of resources distributed.
o We continued to work on updating old mapping products to include newer infrastructure. Lead analysis is ongoing and is at 10% of the city lines.
o We have coordinated with local partners to develop a draft map of lead service lines to prioritize resources deployment. Finalized map will be developed by U of M Flint in mid-February.

DTMB:
• Procured additional filters/cartridges to maintain field supply and build supply in warehouse.
• DTMB real estate is finalizing lease of 100,000 sq. ft. warehouse for supplies.
• Incoming supplies by end of week.
o 39,500 faucet filters.
o 41,600 replacement filters.

DHHS-CH
• The Community Health Emergency Coordination Center (CHECC) has officially elevated its level of activation to "Level 2 - Partial Activation." Currently the CHECC is staffed with BETP leadership and Section Chiefs only. SMEs will be brought in as necessary.
• Coordinating with MDE and MDARD on nutritional planning communications.
• Coordinating with the CHECC to determine status of Environmental Testing and Consulting Lead Investigator(s) request.
DEQ
• 10,000 additional water testing kits have been ordered.
• Arranged for DEQ staff to deploy to GCCARD to supervise water kit assembly.
• Arranged for DEQ staff to deploy as a field observer to assist in tracking water kit supplies and samples.

Local EOC Update:
• Requested Red Cross warehouse teams for both warehouses.
• Working to establish a warehouse for local resource storage.
• Worked with SEOC to better track resource distribution and levels.
• Secured assistance for inventory management at GCCARD warehouse.
• 2-1-1 is rerouting calls for homebound seniors to Sheriff's office, resulting in approximately 100 home deliveries.
• Red Cross warehouse team on site at GCCARD today.

Incident Response/Recovery Priorities/Objectives

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
3. Improve and maintain public information strategy.
4. Develop a long term public health and services plan.
5. Ensure adequate staffing to support operational requirements.
6. Identify possible assistance programs.
7. Develop an approved GIS strategy.
8. Maintain coordination between partner agencies and organizations.
9. Enhance situational awareness and common operating picture of all activities.
10. Develop a comprehensive Recovery Plan.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

Upcoming Forecast

Forecast Update for Flint, MI Area: Posted 1030 am January 12, 2016

• Snow and blowing snow to continue off and on into Wednesday night (January 13). Hazardous travel expected at times.
• Very cold through Wednesday night (January 13). The cold could limit ability to remove ice from road surfaces.
• Time to frostbite from exposed skin will be 15 to 30 minutes through Wednesday (January 13)
• Bottled water stored outside or not in temperature controlled locations will freeze due to temperatures well below freezing through the week

Through Tuesday Night (Jan 12)
• Snow and blowing snow will create hazardous driving conditions in very low visibility and icy road surfaces. Up to an additional 2 inches of accumulation possible in the Flint area. Could see long periods without snow, or a long period of continuous snow.
• Snow will blow back on to treated roads. Rapid changes in visibility and road conditions are likely. This type of weather is typical of the weather that occurs when Michigan has some road closures and larger multi-car accidents.

Wednesday through Wednesday night (January 13)
• On and off snow showers. Less snow expected than Tuesday. Could see an additional inch of accumulation. Gusty winds continue through

Wednesday evening. Very cold air will remain in the area.

Thursday (January 14) through Saturday (January 16):
• Slight warming of temperatures to near 30 degrees during the day. Temperatures in the teens still expected at night. Off and on snow showers to continue into the weekend. Best chance for additional accumulating snow looks to be Friday afternoon (January 15) through Saturday night (January 16).

Other
7-Day Forecast - Flint, MI ; http://goo.gl/3qkSIa

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions
Rivers in the affected area are below flood stage.
National Terrorism Advisory System (NTAS) Status
No information available.
Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested
All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative
Evacuation	0	0
Sheltering	0	0

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences - Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was operational in Flint from 8 a.m. to 5 p.m. on Jan. 12. State agencies at the JIC included the Governor's Office, Health and Human Services, Michigan Department of Agriculture and Rural Development, and Department of Technology and Management and Budget, Natural Resources, and Michigan State Police.

Tasks accomplished during the operational period included:
• Held an 8:15 a.m. media event where media members had an opportunity to get footage and photos of the water resource teams as they go door-to-door to distribute free bottled water, water filters, water filter replacement cartridges and water testing kits to residents throughout Flint. A photographer/videographer was embedded with the team.
• Collaborated on a Governor's news release about a Public Service Announcement featuring Capt. Chris Kelenske from the Michigan State Police. The PSA provided information about the resources currently available for free to all Flint residents, including water filters, replacement filters, bottled water, water testing kits, and blood testing.
• Issued Web and social media content about the water resource teams.
• Reached out to local and nonprofit PIOs to become active participants in the JIC.
• Finalized MDARD letter and fact sheets to food establishments.
• Sent water filtration video to Comcast. Working to get a Dish Network contact.
• Arranged for an interview with the New York Times, including directors from DEQ and MDHHS.
• Began preparing a news release to include numbers, including teams, sites, local and American Red Cross.
• Monitored traditional and social media.
• Received 17 calls from the news media on the JIC media hotline.
• Expanded JIC staffing and roles.
• Confirmed digital billboard to encourage residents to call 211 for water resources and information.

Agriculture and Rural Development (MDARD)

Jan 12th - 1/12/16 - MDARD Activities: Food Safety: The updated guidance document for water in retail food and restaurants/food service is done and awaiting final ok in the JIC/SEOC; could go out in US Mail as early as Wed. MDARD Food staff will start scheduling water sampling and inspections for next week. MDARD has requested a map overlaying food facilities with the known areas most impacted to help prioritize follow up.
Animal health update: notifications to potentially impacted facilities are nearly complete. After further coordination with Genesee County Animal Control, the three animal shelters in the Flint area are not on City water. The Michigan Veterinary Medical Association notified all veterinarians in the region last week; MDARD will be individually following up with the two clinics. There are no kennels or pet grooming facilities in the City. Genesee Animal Control will be contacting pet stores and the known households that serve as animal rescue operations and does not need MDARD assistance.
MDARD is also looking at opportunities for assistance/guidance related to nutrition, including possible support through donations management.

American Red Cross (ARC)

Again today the American Red Cross provided volunteers to operate the distribution sites at the 5 fire stations. We added staff to this effort to be better able to manage inventory at those sites. We also brought in a warehousing team to manage inventory at the G-CARD site. Additionally ARC put together a team to work on assembling water test kits at the G-CARD site before the kits go out to the distribution sites. A logistics planner has now been deployed from the ARC national headquarters to assist the SEOC logistics Group Chief.
Tomorrow we expect to continue staffing the 5 fire station distribution sites, and will be standing up a volunteer reception center to process event-based volunteers. Assembly of the water testing kits will continue as needed.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC activities.

Community Health (MDCH)

Provided lead health impact information requested to planning section for presidential letter.

Tasked CHECC with coordinating with Sue Kangas and Farrah Hanley to track financial expenditures.

CHECC is working to ensure that contact lists are current in the MI-Volunteer Registry, should volunteers from the registry be needed. Tracking responses from MI-Volunteer Registry query.

Received confirmation from MDHHS Environmental Health regarding NSF certification requirement for filtering lead from water.

CHECC is coordinating with HHS to obtain EMPower data regarding medically dependent individuals in Flint.

Requested that the CHECC contact Lowes regarding the ability to purchase Brita faucet filters.

Confirmed that +100,000 sq. ft. is available in Lansing through MDHHS MOU with private sector partner. On standby if these resources are necessary.

"Enhanced Lead Testing Guidelines Recommended for Children in Flint, MI," developed by Dr. Wells, was sent to healthcare providers via Medscape - WebMD at 0700 today.

Community Health Emergency Coordination Center (CHECC) is activated at a Level 2 - Partial Activation, consisting of BETP leadership staff and CHECC Section Chiefs.

Corrections (MDOC)

The MDOC continues to monitor the situation and our staff as well as our clients in the community. Water will remain available at the office for both staff and clients to use whil at the Parole and Probation offices in the area. EM staff from the MDOC will contiue to monitor MiCIMS and attend briefings. We remain available to assist in addressing this situation.

Education (MDE)

MDE is distributing nutrition guidelines for "Help Fight Lead Poisoning with a Healthy Diet" handout. Additional MDE staff trained for SEOC. (1/11)

MDE is monitoring the situation and coordinating as necessary with other state agencies.

Kyle Guerrant, Deputy Superintendent, was on-site at the SEOC; January 10, 0915-1425.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities:
- Delivery of 6101 water test kits to GCCARD
- Verification of NSF/ANSI 53 certified filters for future ordering
- Arranged for DEQ staff deployment to supervise volunteers assembling water kits at GCCARD
- Arranged for DEQ staff deployment as a field observer to assist in tracking water kit supplies and samples
- Established additional vendors for supply of water test bottles

Human Services (MDHS)

Participated in AM & PM State Agency briefings.

Updated resource requests.
Confirmed delivery to GCCARD versus Home Depot to complete the delivery of 2000 filters, 18,400 replacement cartridges.
Arranged for DTMB to pick up around 700 (23) cup pitchers from schools surplus. Plan is to split these up between the FDs.
Made contact with Menards to identify filters and replacement cartridges and relayed that information to DTMB for procuring options.
Had conference call with MDHHS finance. They have concerns of the accountability of our purchases and who's driving the ordering. I explained the urgency and the process. They understand now and said carry on.
Identified 16 MDHHS staff volunteers who will be assisting in the door to door distribution operation for Wednesday, Thursday, and Friday.
16 local MDHHS staff participated in the mission of the Water Resource Teams today.
CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

LARA Excutive Staff met and was updated on the situation in Flint. This will be a weekly meeting.

Spoke with the Flint Superintendent of Schools, Mr. Tawwab regarding the faucet pilot program. He has approved us to move forward with this program.

Joe Madziar, LARA's Plumbing Division Chief, has provided a material list for Freeman Elementary. The list was provided to DTMB for procurement. We are awaiting an ETA from DTMB on the materials.

We are working with Tony Sitko, building manager for Flint, to coordinate a schedule for the Plumbing Division to be able to get into the school to complete the work.

I am communicating with the DEQ to schedule re-testing for Freeman Elementary pilot project.

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids will participate in SEOC briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac.

Natural Resources (MDNR)

January 8, 2016
MDNR is fully participating in all SEOC activities. Situational awareness is being maintained and the department stands ready to assist as needed.
Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging - Region 5 (VAAA), in partnership with other local community agencies such as the Genesee County Health Department and MDHHS, has helped organize local meetings and distribute water and water filters. VAAA is an access point for receiving calls from homebound seniors who are not able to pick up water filters or need assistance installing water filters. VAAA reports they continue to receive calls from seniors who need assistance.

Contact info for VAAA Executive Director is:

Kathryn C. Boles
President, CEO
Valley Area Agency on Aging
225 E. Fifth Street, Suite 200
Flint, MI 48502
(810) 239-7671
(810) 239-8869 fax

VAAA has distributed 2 bottles of water with each home delivered meal to each HDM client within the City of Flint. Water. VAAA also provided water to homebound seniors who needed water to prepare food as they had limited support to pick up bottled water. Congregate meal participants also have access to water and filters as needed. Once water filters were installed, VAAA discontinued including water with home delivered meals.

VAAA also contacted the Grandparents Raising Grandchildren program to ensure that they were aware of educational efforts and confirm the program had received water filters to distribute to program participants.

On 1/11/16 AASA forwarded to MSP/GIS over 1,400+ NAPIS addresses of Flint seniors who received in-home services in FY15. The NAPIS file was sent encrypted and did not include client names. The NAPIS file included 1,029 HDM, 138 CM, and 30 CCS clients.

VAAA continues to operate as a call center and referral point for area seniors concerned about their drinking water. They've noticed this week that seniors who've had filters installed are beginning to request bottled water again.

AASA's State LTC Ombudsman has checked in with the local Ombudsman in Flint. Local Ombudsman reports Flint area nursing homes have been taking precautions using bottled water for cooking and drinking. The local Ombudsman remains concern about Nursing Homes' long term need to replace old facility plumbing that may be leaching lead.

State Police (MSP)

Lt. Pummill, local EOC, has requested 3 additional box trucks for neighborhood delivery. Request has been sent to logistics, Request # SEOC - 1378446.

Resource request received for 4 additional MSP personnel to assist with distribution on Wednesday 1/13/16. Request has been forwarded to Lt. Pummill at the Local EOC. Staff has been identified and the personnel list has been provided to Recovery.

Task assignment has been submitted to Logistics to determine how many 5 person distribution teams can be supported on Thursday and Friday. Support would need to include filters, replacement filters, water, test kits, pamphlets, and trucks to transport.

MSP is in the process of identifying available staff to support this effort with the plan to staff up to the level that can be supported by logistics.

A request has been submitted to SEOC Logistics, DTMB, for approximately 20 smart devices that are network enabled that we can install the GIS application onto so that they activity can be tracked real time. These devices do not need to be connected to the state network.

Technology, Management and Budget (MDTMB)

DTMB Mail Services provided three additional drivers and trucks to assist with door-to-door supplies, this is in addition to the four drivers and trucks already working in the city. Also picked up additional water test kits in Lansing and delivered to Flint this afternoon to ensure kits were available at the distribution sites.

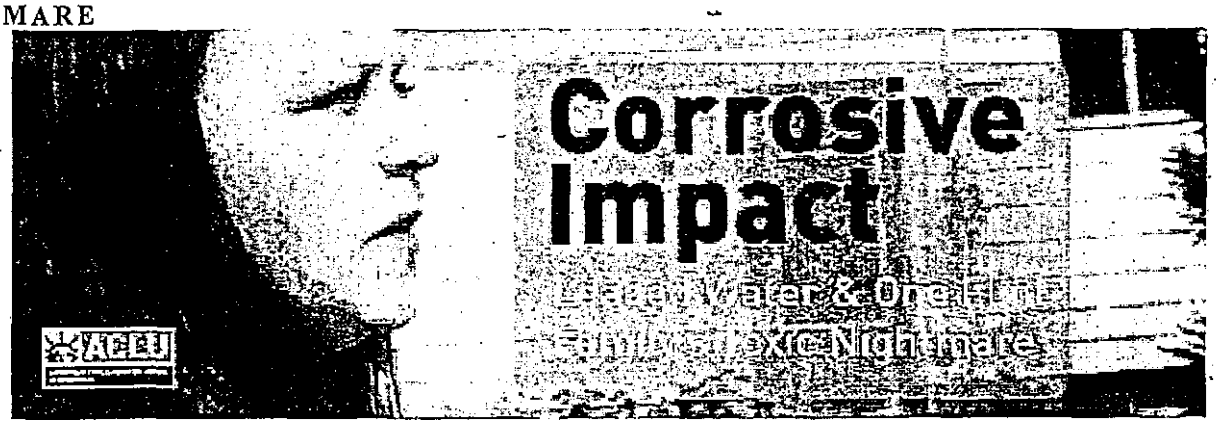
DTMB Real Estate assisted in procuring 100,000 feet of warehouse space and writing the rental agreement. Procurement office acquired additional water filters and refill cartridges that will be delivered on Thursday to the warehouse for distribution.

Twelve trucks of water will be delivered tomorrow and water filters and replacement cartridges will be delivered on Thursday.

Working on resource request to acquire 20 tablets to send out with MSP personnel to help record supplies being delivered in the field.

Incident Related Images

CORROSIVE IMPACT: LEADED WATER AND ONE FLINT FAMILY'S TOXIC NIGHTMARE



It took a while for LeeAnne Walters to realize the full impact of the number: 13,200.

Walters—a stay-at home mom with four sons and a husband in the Navy—had seen other numbers reflecting the quality of drinking water at her Flint home that were devastating. But 13,200? She'd never seen anything like this.

The city had tested her water twice in this past March and both times found dangerously high levels of lead—104 parts per billion (ppb) and 397 ppb, respectively.

Those numbers filled her with dread, because they meant her family had been exposed to high levels of a terribly toxic heavy metal that put her children's future in jeopardy.

But it was the result of a third test of the tap water in her home, performed by independent experts at Virginia Tech university, that most stunned Walters.

"It took a while for me to wrap my head around it," said Walters.

The VT researchers discovered lead levels in Walters' water reached a jaw-dropping 13,200 ppb—more than twice the amount at which the U.S. Environmental Protection Agency classifies water as hazardous waste.

"When I saw those numbers I was shocked," said Virginia Tech professor Marc Edwards, a former MacArthur Fellow and respected authority on corrosion in drinking-water systems, who oversaw the tests.

Edwards played a key role in discovering the problem of corroded water pipes and lead in Washington, D.C. drinking water during the early 2000s, in what has been described as one of the worst contamination events ever seen in an urban water system, with resulting increased incidence of childhood lead poisoning, miscarriages and fetal death.

In terms of lead levels, the Walters family's numbers eclipsed even the worst D.C. homes.

"I have never in my 25-year career seen such outrageously high levels going into another home in the United States," said Edwards. "This was literally hazardous-waste levels."

But the condition of Walters' tap water raises a much more far-reaching question: Since the city moved away from Detroit's water system and began pumping water from the Flint River, how many other families have been put at risk by the city's questionable testing procedures and handling of the water supply?

The Walters family surely isn't alone in dealing with the threat of lead-laced drinking water. About half of Flint's 40,000 homes are a half-century old or older, built at a time when water service lines were typically made of lead.

And according to various experts, including an EPA water-quality specialist, the city's actions are only exacerbating the threat.

"What the public needs is accurate information," explained Miguel Del Toral, regulations manager for the Ground Water and Drinking Water Branch of the EPA's Region 5.

Instead, the city is utilizing testing measures that almost ensure that worst-case scenarios such as the one facing the Walters family escape detection, asserted Del Toral in an internal EPA memo provided to the ACLU of Michigan.

Compounding the threat is what Del Toral describes as the continued inability of officials to adequately treat water coming into people's homes from the Flint River.

"I don't want to scare people unnecessarily," said Del Toral in a phone interview from his home in Chicago. "But there is absolutely a problem in Flint that needs to be addressed right away."

During his interview with the ACLU of Michigan, Del Toral said he was willing to go on the record with his concerns, but that he was doing so as a private citizen, not as a representative of the EPA.

EPA rules, he said, required that such interviews be routed through the agency's public affairs people. But he's willing to speak out nonetheless, he said, because of the potential harm to the public is so great, and the need to address it is so urgent.

WATERING DOWN THE TESTS

Perhaps the most vexing problem in all of this is the contamination caused by the city's decades-old network of lead and iron pipes—a problem directly connected to the switch to river water, and the city's failure to adequately treat it.

Under the U.S. Environmental Protection Agency's rules, if lead reaches a level of 15 parts per billion in water, the source of the problem must be identified and corrected.

In early March, after months of requests (and only after Walters had received a doctor's note raising concerns about problems with the water), the city finally conducted a test. It found lead levels of 104 ppb the first time. A second test recorded a level of 397 ppb.

Blood tests, taken after those water-sample numbers were reported, revealed that one of her children, a four year old, had lead poisoning.

The news was devastating, said Walters, and the concern it creates for her child's future is haunting.

"Lead can affect almost every organ and system in your body," according to the EPA's web site. "Children six years old and younger are most susceptible ... Even low levels of lead in the blood of children can result in: behavior and learning problems; lower IQ and hyperactivity; slowed growth; and hearing problems."

Those dangers made Walters all the more determined to get her questions answered.

For one thing, she wanted to know why residents were being instructed to "pre-flush" water lines before drawing samples that would be tested by the city

After much searching, she found Del Toral at the EPA's Region 5 in Chicago. He explained to her that her instincts were right, and that she had good cause to be concerned about the way testing was being done.

"The practice of pre-flushing before collecting compliance samples has been shown to result in the minimization of lead capture and significant underestimation of lead levels in drinking water," wrote Del Toral in an internal memo dated June 24.

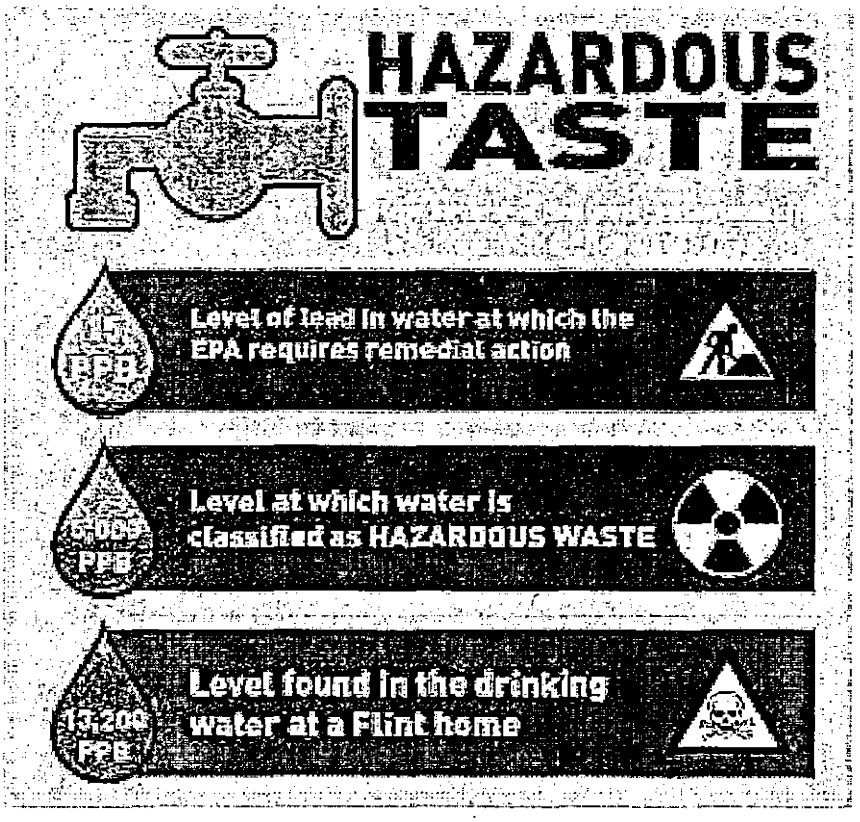
Del Toral went on to say that the city's testing methods were a "serious concern" because they "could provide a false sense of security to the residents of Flint regarding lead levels in the water." As a result, he warned, residents could fail to take the necessary precautions to protect their families from lead in the drinking water.

Virginia Tech's Edwards completely agrees with Del Toral's assessment.

"The net effect of a 'pre-flush' is to greatly reduce the likelihood of detecting lead in samples collected ... that would normally be present in the consumers drinking water," Edwards wrote in an email. "I have long maintained that the practice should be banned, as it artificially lowers the amount of lead detected in samples versus typical consumer exposure."

Asked about these concerns, city spokesman Jason Lorenz offered the following email reply: "While I cannot directly respond to Mr. Del Toral's remarks without first contacting the EPA Region 5 office, I can say that the City of Flint follows all the testing procedures and schedules as required by the U.S. EPA."

He added that the Michigan Department of Environmental Quality (MDEQ) endorses the city's sampling method. The MDEQ did not respond to phone calls and e-mails seeking its comments on the controversy.



Del Toral contended in an interview that what Flint's doing is actually exploiting a "loophole" in the law.

"From a technical standpoint, there's no justification for the way Flint is conducting its tests," Del Toral said. "Any credible scientist will tell you [the city's] method is not the way to catch worst-case conditions."

There is no legitimate reason for the city's methodology, said Del Toral.

EPA rules, he said, required that such interviews be routed through the agency's public affairs people. But he was willing to speak out nonetheless, he said, because of the potential harm to the public.

FLUSHING OUT REAL ANSWERS

It was Del Toral who, after determining that the lead problem plaguing the Walters family was coming from outside their home, connected LeeAnne with Edwards at Virginia Tech.

Instead of taking a single sample after a line had been "pre-flushed" under the city's direction, Edwards instructed Walters to collect a series of samples from water that had been allowed to sit in the service line long enough to accurately reflect levels the family could be exposed to under normal use.

(Meanwhile, that same service line, dug up and replaced after the sample collection, was found to be made of lead in one section and iron in another.)

Edwards tested the water and discovered that the lead contamination ranged from 200 ppb to the 13,200 ppb figure that stunned LeeAnne Walters—and should likewise shock many others.

Given the age of much of Flint's infrastructure, Edwards agrees with Del Toral's assessment that the test results they found at the Walters home amount to an alarm going off, and others in the city need to pay attention.

"I do not see any reason why there would not be serious problems occurring in at least some other Flint homes," said Edwards.

In 1986, the U.S. Safe Drinking Water Act was amended to prohibit the use of lead pipes in public water systems. Every house built before that is potentially at risk, said Edwards. About half of Flint's roughly 40,000 homes are at least 50 years old.

Making things worse is the fact that the high levels of chlorine being used to treat Flint's dirty river water lead to the creation of a carcinogenic byproduct know as total trihalomethanes, or TTHM. To keep TTHM levels down, the city is adding ferric chloride. The trouble is, that additive can also accelerate the corrosion of lead and iron pipes.

Adding yet another layer to the problem is something the city is not doing.

According to Del Toral, Flint should be adding corrosion-control chemicals designed to help keep lead and copper in pipes from leaching into drinking water. Doing so is required by federal regulations, wrote Del Toral in his memo.

"To our knowledge, that is inaccurate," said Flint spokesman Lorenz. "Before the plant was placed in operation, the City (and our engineering firm) had numerous discussions with DEQ personnel and inquired if corrosion-control chemicals – typically phosphates -- needed to be included in the treatment process. The use of these chemicals was not required or mandated."

What's indisputable is this:

Flint's water contained corrosion-control chemicals until April 2014, when Flint's ties to the Detroit water system were severed. Flint officials hailed that changeover as a cost-cutting move for a city facing a financial crisis so severe it had been placed under the control of a state-appointed emergency manager.

Discontinuing the use of the anti-corrosion chemicals allowed toxic scale built up on the insides of pipes over the past decades to be released into water flowing into people's homes, explained Del Toral.

In his memo, Del Toral warned: "The lack of mitigating treatment is especially concerning as the high lead levels [that result] will likely not be reflected in the City of Flint's compliance samples due to sampling procedures used..."

In other words, at the same time the city is exacerbating the problem, it's conducting tests that will probably fail to identify the true extent of the threat.

Del Toral described the situation as a "major concern."

"In the absence of any corrosion control treatment, lead levels in drinking water can be expected to increase," he warned in his memo.

The EPA offered Flint officials the use of agency experts to help get the situation under control, said Del Toral, but added that, to his knowledge, the city has so far declined all help.

LeeAnne Walters said that when she asked why city officials weren't taking the EPA's offer of assistance, she was told, "We don't need it."

Flint spokesman Lorenz, on the other hand, maintained that "the city continues to work closely with the MDEQ and the EPA Regional Office."

As for Walters's family, that the city has finally replaced the service line leading to their home, and lead levels have dropped below the 15 ppb EPA action level.

The problem now, she said, is that water currently coming out of her tap tinged yellow and smells of rotten eggs. City officials have given her no explanation as to the possible cause of that.

It is just one more in a long list of questions that need to be addressed.

"What we need," said Walters, "are more answers."

But it's not just answers the people of Flint require.

They also need solutions. And, as Del Toral's EPA memo emphasizes, they need them immediately.

Click the link to read the full EPA Memo: http://www.aclumich.org/sites/default/files/file/EPAWaterReport062415.pdf

Curt Guyette is an investigative reporter for the ACLU of Michigan. His work, funded by a grant from the Ford Foundation, focuses on emergency management and open government.

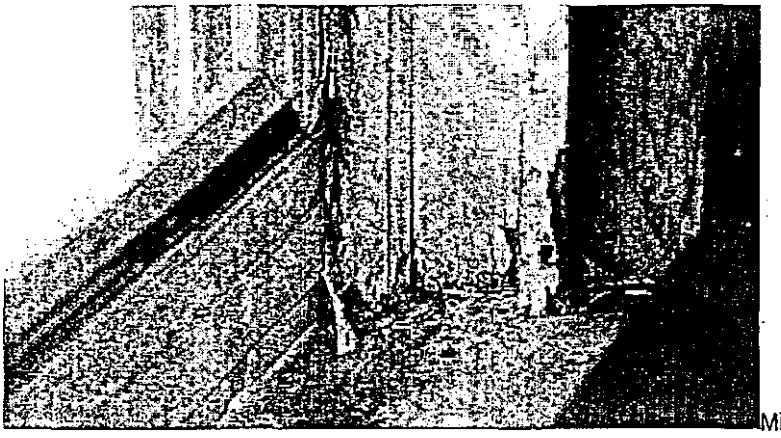
http://www.aclumich.org/democracywatch/index.php/entry/corrosive-impact-leaded-water-and-one-flint-family-s-toxic-nightmare

In Flint and beyond, lead remains irreversible scourge among Michigan's children

2010 Flint
2012 KCS data
2014

By Mike Wilkinson | Bridge Magazine

on December 13, 2015 at 7:00 AM, updated December 13, 2015 at 7:07 AM



Michigan children often are exposed to lead paint in older homes. Although numerous programs exist to help families address the lead threat in their homes, the problem remains widespread. *The Center for Michigan/Bridge Magazine*

Across Michigan, in cities large and small, lead poisoning continues to plague children, limiting them in school and on the playground.

Although much of the state's focus has been on lead-poisoned water in Flint, the metal continues to turn up annually in the bodies of thousands of children across the state, at percentages well above the numbers that raised red flags in Flint.

Elevated blood-lead levels are reported in higher percentages of children in parts of Grand Rapids, Jackson, Detroit, Saginaw, Muskegon, Holland and several other cities, showing the scourge of lead has not been eradicated despite decades of public health campaigns and hundreds of millions of dollars spent to find and eliminate it.

"This is still an issue. It's not going away," said Dr. Eden Wells, chief medical executive of the Michigan Department of Health and Human Services.

Many in the state were shocked this year by findings in Flint: After a steady decline in lead levels, those began to rise in 2014 after the city switched its water source from Lake Huron to the Flint River. That change in water supply, experts said, triggered the increase in lead poisoning, because more corrosive river water might have stripped lead from older pipes and led it into the drinking supply.

The uptick in Flint, cited by researchers, led state officials to confront dangers in the city's water. Five percent of the Flint children tested had elevated levels of lead, although parts of the city had much higher percentages.

Consider lead exposure rates in other parts of Michigan:

- In Detroit at five ZIP codes, more than 700 children tested positive in 2013, or almost 15 percent of the 4,910 children tested.
- In Grand Rapids, almost one in 10 children of those tested in five ZIP codes tested positive.
- In Ludington, almost 13 percent of the 229 children tested in 2013 registered elevated lead levels.

"We do have areas in our state and areas in our country where children are at risk," Wells said. "We've got to do as much as we can."

Common culprits

Flint's unfolding water crisis this year brought to the foreground a danger long known to rob children of cognitive and physiological function and impulse control.

High levels of lead found in students in the Detroit Public Schools system have been linked to the city's low test scores.

In the 48206 ZIP code on the west side of Detroit, 20.8 percent of the 701 kids tested had elevated levels in 2013, the most recent year tested.

In much of the state where lead is a problem, the sources of poisoning have been traditional culprits: old lead paint on homes built before 1978 and lead residue in dust and soil. Young children particularly are susceptible because of their proximity — on the ground — to the most common sources of lead. They crawl on their hands, pick up dust and dirt and put their hands in their mouths.

Because of the well-documented dangers of lead, pediatricians test children.

"And every week, there are more kids on" a weekly statewide report on elevated lead levels, said Paul Haan, of the Healthy Homes Coalition of West Michigan, which works to eliminate household dangers to make children safer and healthier.

Parts of Grand Rapids have some of the highest concentrations of children with lead, he said.

The most recent report had a tally of 90 children.

Constant struggle

Flynn FK

Far fewer Michigan children, however, have tested positive for lead poisoning in recent decades. In 2012, 4.5 percent of those tested in Michigan showed elevated lead levels, more than five times less than the 25.6 percent a decade earlier.

In 2013, the percentage sank to 3.9 percent, which still amounted to almost 5,700 children younger than 6 who were tested. Each had lead levels above 5 micrograms per deciliter. Although no amount is considered safe, 5 micrograms is the threshold experts said constitutes a "much higher" level than most children.

The effects on children's nervous systems and brains are obvious to parents and teachers: Youngsters cannot stay on task, retain information or progress academically and socially. Even low amounts of lead might steal points from a child's intelligence — cognition they cannot get back, because lead poisoning is irreversible.

Dr. Eden Wells, chief medical executive with the Michigan Department of Health and Human Services, said lead exposure remains a serious problem across much of the state. *The Center for Michigan/Bridge Magazine*

Some researchers suggested the overall reduction of lead levels in recent decades, mainly from the elimination of lead in gasoline, explains the decline in violent crime in the United States and elsewhere. However, in those children where lead exposure is found, the implications remain profound and heart-breaking.

Kieya Morrison is a preschool teacher in Detroit and a former longtime kindergarten teacher. Recently, her class had a young girl with elevated levels of lead in her system (teachers are apprised of health issues with children).

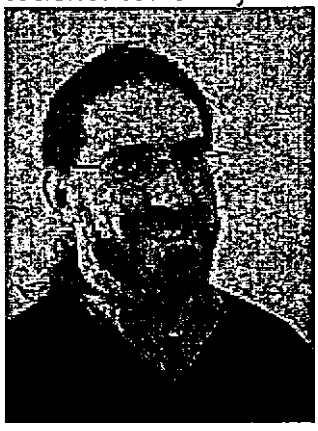
Learning was difficult for the girl, and Morrison repeatedly tried to teach her about simple shapes: "This is a triangle. This is a square."

For the girl, it was a constant struggle.

"She had cognitive problems. She had trouble processing things," Morrison said. "She could not retain any of the information."

At her preschool in Detroit, where the teacher-student ratio was 1-to-8, Morrison was able to give the girl more attention and "catch her" when she fell behind.

The girl's family moved out of the area after preschool. Morrison said she feared what happened to the girl once she reached kindergarten and first grade, where there might be one teacher for every 30 students.



Paul Haan, of the Healthy Homes Coalition of West Michigan, said children with elevated lead levels in Grand Rapids are commonplace. *The Center for Michigan/Bridge Magazine*

"You really get lost," Morrison said of the older grades. "There's nothing to catch you."

Solving the problem

In addition to federal and state money, foundations are pouring money into programs across Michigan that help pay for eliminating lead sources in older homes when a family cannot afford such work.

Progress remains slow. In the past 10 years, those programs have paid for lead abatements in 1,500 homes in West Michigan. However, an estimated 60,000 homes need lead abatement in that region, Haan said.

Quantifying the extent of the problem is difficult. A 1998-2000 study estimated 38 million homes in the United States had lead-based paint, and 24 million had "significant lead-based hazards." In many cases, homeowners eliminate the danger when they repaint a house or replace older plumbing fixtures.

In many places, however, where the housing stock is the oldest and incomes the lowest, dangers persist. In cities such as Detroit and Muskegon, foundations and the U.S. Department of Housing and Urban Development have devoted money to tackling a problem that continues to confound officials.

Although the state also has a program to help pay for abatement, its budget is limited. During the past year, 180 homes have qualified through the state program, said Wells, the state's chief medical executive.

In addition to the discontinuation of lead in gas, much of the decline in lead levels in recent decades is attributed to changes in construction materials — lead paint was banned in 1978 — and to public health activism. The state reaches out to parents and health care providers and provides information on where families may turn for help.

Pediatricians are encouraged to test all children ages 1 and 2 for lead, and testing is required for Medicaid patients. If the test is positive, the results are confirmed with another blood test. Family and home histories are taken — the source of lead might be from a parent's workplace or the home.

Haan said lead is treated as a medical problem, but the effects extend far beyond a blood test. Apart from cognitive and physiological scars, the toxicity of lead has been correlated to long-term effects on society at large, including wages, higher incarceration rates and the welfare system.

More needs to be done to eliminate the problem before a child tests positive, experts said. "The problem is," Haan said, "we're still using kids as lead detectors."

Places with higher lead rates than Flint

Across Michigan, thousands of children are dealing with the effects of lead poisoning. Although much of the focus has been on lead in Flint's water supply, many parts of the state have percentages of children with elevated levels of lead that exceed rates in Flint — often from lead paint in older homes.

Source: Michigan Department of Health and Human Services

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Emergency declaration 12-15-2015
Flint EOC activated 12-17-2015

Flint's Water Crisis Just Became A Double Emergency

Turns out declaring an emergency doesn't make the emergency go away.

- Arthur Delaney Senior Reporter, The Huffington Post
- Philip Lewis Fellow, The Huffington Post

12/16/2015 01:09 pm ET | Updated 1 day ago

JeCorey Hawkins had a scary moment with the water in Flint, Michigan, in September. The 22-year-old psychology student had stooped at a drinking fountain at his university when the water took on a grainy texture in his mouth.

"I was very creeped out because I didn't know if I would be sick," Hawkins told The Huffington Post on Tuesday. He said he and his family, which lives in Flint, hadn't been drinking tap water since earlier this year, though he trusted the University of Michigan's efforts to test and treat water on its Flint campus.

Flint's water problems turned out to be worse than most people realized when a local pediatrician reported in September that more children were being poisoned with lead, a dangerous neurotoxin. The continued problems with the water prompted Flint Mayor Karen Weaver to declare an emergency Tuesday.

"I am requesting that all things be done necessary to address this state of emergency declaration, effective immediately," Weaver said.

It's the second emergency declaration over toxic water for the beleaguered city -- Genesee County, which surrounds Flint, declared an emergency for the same reason back in October.

Jamie Curtis, chairman of the Genesee County Board of Commissioners, told HuffPost he didn't understand what Weaver hoped to achieve with her declaration, saying the mayor hadn't been in touch with any demands. He said the commission would take it up at its Jan. 4 meeting.

"I'm not sure what her declaration is," Curtis said. "What I don't think the people of Flint need ... is nothing more than rhetoric saying, 'I've declared this emergency,' but nothing comes of it."

The county's Oct. 1 declaration warned Flint residents not to drink the water unless it had been specially filtered and confirmed not to have high levels of lead.

The trouble started in 2014 when emergency managers appointed by Michigan Gov. Rick Snyder (R) decided to try saving money by switching Flint's water supply from the Detroit system to the Flint River. Local officials toasted the decision, though residents immediately complained about the taste, smell and appearance of what came from their taps. Most importantly, the new water turned out to be more corrosive, causing lead to leach from Flint's old pipes – and into the city's kids.

Research published by Flint pediatrician Mona Hanna-Attisha in September showed levels of lead in children's blood spiked at the same time as the water switch. Elevated blood lead levels are especially harmful for children, who can suffer stunted growth and irreversible brain damage. In October, after denying any problem, state officials acknowledged they failed to treat the water to adjust for its corrosiveness, and Snyder signed legislation switching Flint back to Detroit's water.

The city has told residents it could take as long as six months for the water lead levels to decline.

A Dec. 11 report from the Michigan Department of Environmental Quality said the state found elevated blood lead in 39 of 1,836 Flint residents who had testing done since early October. Blood lead levels can decline in a matter of weeks after a person is exposed to lead.

This week, in response to Weaver's new disaster declaration, a spokesman for Snyder referred HuffPost to previous statements from the governor's office outlining actions already taken, including an Oct. 2 action plan and the Oct. 21 creation of a special task force to investigate what went wrong and recommend solutions.

Hawkins wasn't impressed by the latest emergency declaration.

"It's kinda scary, but at the same time, it's like, the water has been this bad, you know, for all this time," he said. "They just decided to put a name to it at this point."

Hawkins has two younger sisters, 10 and 7 years old, who he said have suffered some hair loss, which is a common complaint among Flint residents who can't avoid bathing with the water.

"There is no reason for them to be losing hair at their age," Hawkins said.

This article has been updated with information from a Department of Environmental Quality report.

Reporter's notebook: Some state officials still in denial or misinformed over Flint River decision

By LINDSEY SMITH · DEC 17, 2015
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I don't blame the governor's press secretary for not understanding exactly who made the decision to have Flint pump its drinking water from the Flint River. It was a complicated-decision making process with multiple key players that lasted at least a few months.

Back in the spring of 2013, when this decision was made, Governor Rick Snyder's press secretary, Dave Murray, was one of "us"; a journalist working for *The Grand Rapids Press/MLive*.

He was one of the familiar faces around town among the smaller group of reporters in Michigan's second largest city. And let's face it; none of us were paying close attention to the water decision that was going on 100 miles away in Flint. It wasn't our beat, after all.

But for the last 12 weeks or so, pretty much all I've done is try to answer a single, important question: How in the world did the "Flint water crisis" happen?

The answer is so complex I couldn't cram all the details into the one hour-long documentary I was tasked to write. Shameless plug – you can listen to the documentary "Not Safe to Drink" here.

The first draft of the documentary included a very lengthy section detailing who made the decision to switch to the Flint River and the months long process that determined the city's fate.

But it got cut out.

It got cut because we decided that detailing the city and state officials who had a hand in that decision, to some degree, doesn't really matter. The bottom line is that the state regulatory agency responsible for overseeing water quality, the Michigan Department of Environmental Quality, should have ensured that water was safe to drink. The MDEQ failed on that front, we now know, to disastrous effect. We think it's in the public's interest to understand how that happened.

By not requiring Flint to treat the river water in a way that would've helped keep lead out of the drinking water, MDEQ became the most important focus for the "accountability" portion of this documentary.

Through months of research and lengthy, recorded interviews, my editors and I came to the conclusion that, had the water experts (specifically officials at MDEQ and the engineering firm Flint's emergency manager hired), done a better job, then *who* made the decision to go to the Flint River shouldn't have mattered. If they would've required corrosion control treatment, treatment any normal large city in America uses, treatment that the federal government has now made completely clear is absolutely required, the lead problems Flint has faced may not have ever happened.

I don't mean to be flip. Of course it matters *who* made the decision to switch to the river. But after that first edit, we decided we weren't going to spend one third of an hour-long documentary hashing out the "who-did-what-when" on the financial side of this decision if the more imperative complex issue we needed to convey was the major screw-up on the water treatment side of the decision.

So that five-page-long chunk in the first draft of the documentary about the financial decision that was made in the spring of 2013 got cut down to the following:

Flint was broke -- like "nearing bankruptcy" broke.

Flint had a string of these state-appointed financial hatchet men during this time -- trying to get the city's finances straight.

They were looking for savings everywhere, and they had their eyes on the expensive water they buy from Detroit, so when Genesee County decided to build a new water system, one that's separate from Detroit, Flint was definitely interested in joining.

Once it was clear Flint could save millions of dollars a year with the new system, Flint got on board.

But there was a catch. The new water system wasn't built yet, and it wouldn't be ready until the summer of 2016, at the earliest.

And once Detroit realized Flint was going to leave its system, it jacked Flint's water rates up even more – to the tune of $10 million over the two years the new pipeline would be under construction.

So in the spring of 2013, Detroit kind of had Flint over a barrel.

It was state treasury officials who got creative.

Their solution?

Forget Detroit, Flint's emergency manager said. Let Flint get really cheap water from the Flint River.

The governor's press secretary, Dave Murray, called me Wednesday morning to take issue with this account. "That is simply not accurate," he told me. With less than four hours until the documentary aired, I didn't have time to argue. I had already had this discussion ad nauseam with his predecessor, Sara Wurfel, and with Treasury Department spokesman Terry Stanton. I referred Murray to my news director, Vincent Duffy.

The governor's press office followed up on this call with a specific complaint to me and the news director. They didn't think this part was accurate:

It was state treasury officials who got creative.

Their solution?

Forget Detroit, Flint's emergency manager said. Let Flint get really cheap water from the Flint River.

In an email, the governor's Deputy Press Secretary Anna Heaton wrote:

"That's not factual information for your readers and listeners. In fact, in the spring of 2013, the Flint City Council, and Mayor Walling, made the decision to switch to Karegnondi, and in the meantime, take some of its water from the Flint River. This was approved at the city council meeting in a 7-1 vote on Monday, March 25, 2013. Their decision was then sent to the emergency manager to approve. In fact, at the time, Flint City Council President Scott Kincaid said "I've never been a fan of staying with Detroit."

It is critical to note that Flint and Genesee Co. had been in discussions to start their own water authority for years before this decision was reached. They had been gathering information on a switch and leaning toward that decision far before the Gov. was even in office."

Here's what's true about what the governor's press folks are saying.

Yes, Flint had an interest in joining the new Karegnondi Water Authority before Governor Rick Snyder was in office.

Yes, Flint City Council voted on March 25, 2013 to join the Karegnondi Water Authority.

This is why I wrote "Once it was clear Flint could save millions of dollars a year with the new system, Flint got on board."

But the governor's press folks are either sorely misinformed or willfully blind to what happened after that vote.

Months and months after dealing with us reporters picking apart this decision, they still don't get it. I'm not breaking any news here. They should know this stuff by now.

Nowhere in that vote or other votes did Flint City Council say, "We support getting water from the Flint River." Yes, there was one councilman who did openly support that. But as a board, that vote never happened. Flint leaders never made that call (not that they had the authority to make such a call at that time anyway.)

Some state officials continue to confuse Flint's vote to join the Karegnondi Water Authority with the state appointed emergency manager's decision to temporarily switch to the Flint River.

I gotta be honest, after all the research I had done, I had a really rough time coming to terms with the fact that I simply did not have time in this documentary to recount the ins and outs of this decision more in depth. Even though it is super complicated, perhaps now is a good time to drag out the details.

For the sake of Michigan Radio's readers and listeners, and in response to the folks at the governor's press office, I've taken another crack at breaking down this part of the story.

Here's what happened when, and who was in charge:

- **July 2011:** Rowe Engineering presents Flint City Council with a study evaluating the city's options for drinking water. The high cost of water prompts city officials to study their options. The study looks at three options; staying with Detroit's water, switching to the Flint River, and getting on board with the KWA, the new water system that's now being built in Genesee County. The study shows staying with Detroit is the most expensive option in the long run. Switching to the Flint River is cheaper than Detroit in the long run, but making it a permanent source would require more than $60 million up front; to remove dams, to find ways to dispose of residuals from the water treatment process, and to upgrade the city's water treatment plant. The most favorable option, the study found, was going to KWA.
- **December 2011:** Financial reviews show Flint's finances are so bad, Governor Rick Snyder appoints Flint's first emergency manager. To start it was Michael Brown, but there are four different guys who hold this position over the next four years.
- Fast forward a year, to **December 20, 2012.** Because of the financial emergency, the decision about the best, most affordable water for Flint hasn't been made yet. But according to a report commissioned by the state treasury's office, on this day, there was a meeting with treasury and city officials. They discuss Flint's water options again. The report says that, on this day, it was decided that treasury officials would study only two options; staying with Detroit water or switching to KWA. Here are the key paragraphs on page two of this report, which comes out in **February 2013**:

  "... An option for the Flint (Water Treatment Plant) to supply the City of Flint without being supplied from either (Detroit) or KWA was initially considered. The preliminary investigation evaluated the cost associated with the required improvements to the plant and to the Flint River dam system. Although it appeared that this was a viable option, Flint in a meeting on December 20, 2012 with the Treasury, stated that the City did not want to pursue the option and it is no longer being considered."

  One thing to note, Treasury Department Spokesman Terry Stanton did point out that they also tried to figure out a way to blend Detroit's water with the Flint River water, to save the city money. But those talks broke down.

  Detroit Water and Sewer Department Board Chair Jim Fausone told me that's because Detroit was concerned that Flint wouldn't be able to treat the river water properly. If there were any problems at people's tap, it could be difficult to figure out which water source was causing problems.
- **March 2013:** Flint City Council votes in favor of joining KWA. The board does this even though it has no authority with the state emergency manager in place.
- **April 2013:** State treasury officials approve Flint's move to join KWA. The same month, Detroit sends Flint a letter announcing Detroit would end Flint's long term contract to buy water, citing a legal clause in the contract. Many times, spokespersons for Michigan's Treasury Department, the Governor's Office, and even Flint's emergency managers themselves have erroneously claimed this is the point where Detroit "cut Flint off" from the water supply. Yes, Detroit notifies Flint it will give the city one year at the long term contract rate structure, but after that, it would need to negotiate another contract. The other, shorter term options were more expensive than the longer term deal. Detroit, by no means, kicked Flint off its water system, as many state officials have claimed.
- **June 2013:** Flint Emergency Manager Ed Kurtz hires an engineering firm "for assistance in placing the Flint Water Plant into operation using the Flint River as a primary drinking water source for approximately two

years and then converting to KWA." Later that week, people from that engineering firm, Michigan's Department of Environmental Quality, Genesee County and Flint's water department met to determine if temporarily switching to the Flint River was feasible. They decided "the Flint River would be more difficult to treat" but that it was a viable source. They said there would be "obstacles" to get everything in place before April 2014, when Flint's contract with Detroit would end, but that it was "reachable." Lastly, they decided, "with support from LAN engineering which works with several water systems around the state, quality control could be addressed." I tried to talk to LAN engineering. They declined to comment.

- **March 2014:** Flint's Emergency Manager Darnell Earley sends a letter to Detroit's water system, refusing the final short term contract offer. It acknowledges the option to continue buying water from Detroit. But these short term offers would've cost Flint at least $10 million more over the two years it would take to build the new water system Flint will join next year. Instead, Earley writes, "the City of Flint has actively pursued using the Flint River as a temporary water source." The only people with any authority over this decision were Flint's string of emergency managers.
- **April 2014:** Michigan's Department of Environmental Quality signs permits that approve "Improvements to the City of Flint Water Treatment Plant to enable treatment of Flint River water on an interim basis until the KWA Lake Huron Water Supply is available for connection and use by the City of Flint."

Again, I'm not breaking any major news with this.

The ACLU's Curt Guyette has been nailing this point home for a while now.

<img src="http://michiganradio.org/sites/michigan/files/styles/default/public/201504/toastingFlintwater_0.jpg" alt="Flint officials toast each other as they flip the switch to the Flint River.">
Flint officials toast each other as they flip the switch to get water for the city from the Flint River.
Credit WNEM-TV

Through his Freedom of Information Act Requests, he discovered the letter from Darnell Earley, declining Detroit's offer to purchase water.

He's also caught numerous officials on video saying Detroit "cut Flint off" from the water system. Here's a video that gives you an idea of the spin machine at work.

The Detroit Free Press did a breakdown in late November too. They couldn't find a document that determines exactly which person made the call to put the Flint River back on the table as a viable option. But, ultimately, Paul Egan highlighted the same two important documents I saw – the February 2013 report for treasury that says the Flint city leaders were no longer considering the river as an option and then the June 2013 decision from Ed Kurtz, to hire an engineering firm to prepare Flint's Water Treatment Plant for the Flint River.

Snyder names Flint water coordinator after concerns raised

Posted: Friday, December 18, 2015 8:03 am http://www.petoskeynews.com/news/state-region/snyder-names-flint-water-coordinator-after-concerns-raised/article_9672899f-a3e8-5633-b285-f5e611065b2d.html

Snyder names Flint water coordinator after concerns raised Associated Press |

LANSING (AP) — Gov. Rick Snyder has named a point person to coordinate the state's response to the Flint water crisis after concerns about organization were raised by members of an independent task force that he created.

Harvey Hollins, who directs his Office of Urban Initiatives, will coordinate efforts, according to a letter Snyder wrote Tuesday and was released Thursday.

Snyder created the Flint Water Advisory Task Force in October to review state, federal and local governments' actions after children were found to have elevated levels of lead in their blood and it was determined that corrosive river water was leaching lead from aging service lines.

Task force members wrote a letter to the Republican governor last week citing the absence of a coordinated framework that "measures results and clearly delineates responsibilities," including goals and timelines. Snyder agreed and, at the task force's recommendation, supported an online "dashboard" to keep the Flint community, public health authorities and state agencies updated.

Snyder also said public relations specialist Chris De Witt has been brought on to "strengthen community outreach efforts."

The 99,000-resident city stopped getting its water from Detroit's system last year in a cost-cutting move while under state emergency management but had trouble with water from an interim source, the Flint River. The state initially downplayed lead concerns but ultimately had to commit $10.6 million to reconnect Flint to Detroit and to respond with filters, testing and other services.

oct. 1 ?

Local authorities declared a public health emergency, and on Monday, Flint's new mayor declared a separate state of emergency and activated the city emergency operations center.

Senate Minority Leader Jim Ananich, D-Flint, said there should be more urgency within the Snyder administration.

"Political appointees and public relations people are what got us into this mess, and they aren't who we need leading us out of it," he said in a statement. "Anything less than a professional trained in emergency management or public health will not suffice."

The task force is expected to release a report and recommendations early next year. In its letter to Snyder, the five-person panel said more steps need to be taken to reach additional children for blood-lead testing, follow up with those who have elevated levels and continue water testing. The task force also said the independent coordinator must engage with community stakeholders to "begin rebuilding community trust in state actions."

"While the task force is far from done with our work, the initial review has presented a very disturbing situation that will require many actions to help those that have suffered," said co-chairman Ken Sikkema, a former Senate majority leader. "We saw no reason to wait until the final report to make these initial recommendations."

what are they?

(See next article)

GoFundMe "Bottles for Babies" and Lenice Lawson

MLive Photo valve closure to shut off Detroit service April 25, 2014

Oct. 16 Switched back to Detroit water

Lead Levels from pipe welds + Solder

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Governor's task force on Flint water crisis releases early recommendations

http://www.mlive.com/news/flint/index.ssf/2015/12/state_task_force_on_flint_wate.html

By Ron Fonger | rfonger1@mlive.com
on December 17, 2015 at 11:04 AM, updated December 17, 2015 at 7:20 PM

FLINT, MI — Current actions to protect the public from lead in water appear to be taking place without a system to measure results and delineate responsibilities, according to a task force charged with reviewing Flint's lead-in-water crisis.

In a letter to Gov. Rick Snyder, who appointed the Flint Water Advisory Task Force in October, the group acknowledged steps, including distribution of free water filters, that have been taken to carry out the governor's plan to address lead levels in the city's drinking water.

But the group also makes initial recommendations for improvement, including that the state address:

- The need for the Michigan Department of Health and Human Services and Department of Environmental Quality to set goals for actions in collaboration with local and federal agencies and organizations.
- The need for a set of corresponding timelines for the goals.
- The need to establish responsibility for meeting the goals in a timely fashion and for contingency plans for the state if the goals are not being met.
- The need for clear, regular communication with the Flint community and stakeholder groups regarding action steps and updates.
- That a single person or entity — "potentially independent of any one particular state agency" — serve as the point person to coordinate ongoing work.

"While the task force is far from done with our work, the initial review has presented a very disturbing situation that will require many actions to ... help those that have suffered," task force member Ken Sikkema said in a news release issued Thursday, Dec. 17.

The task force also released the governor's response to its letter. In it, Snyder said he has seen progress and recognizes "there is more work that must be done to ensure that this progress continues" regarding the Flint water crisis.

The task force letter said it is important that someone "potentially independent" of any state agency be appointed to coordinate ongoing activities and report on mitigation measures.

Snyder's letter recommends Harvey Hollins, the governor's director of the Office of Urban Initiatives, act as coordinator of Flint water work.

"Harvey is well-versed in the issues and the challenges faced by our cities and will be effective in this role," the letter said.

The governor's letter said he supports the suggestion of a dashboard approach to making information "about our work and progress more accessible to the Flint community" and that he has retained Chris DeWitt, a former Democratic strategist, to strengthen community outreach and "make sure residents have access to the information they need."

State Senate Minority Leader Jim Ananich, D-Flint, said in a statement Thursday that Flint needs a trained emergency management professional to coordinate assistance efforts here.

"Political appointees and PR people are what got us into this mess, and they aren't who we need leading us out of it," Ananich's statement said. "Anything less than a professional trained in emergency management or public health will not suffice."

The governor announced creation of the task force Oct. 21, the same day U.S. Rep. Dan Kildee, D-Flint, and Ananich called for the U.S. Environmental Protection Agency to carry out a similar review.

The EPA later agreed to carry out its own review, which also is ongoing.

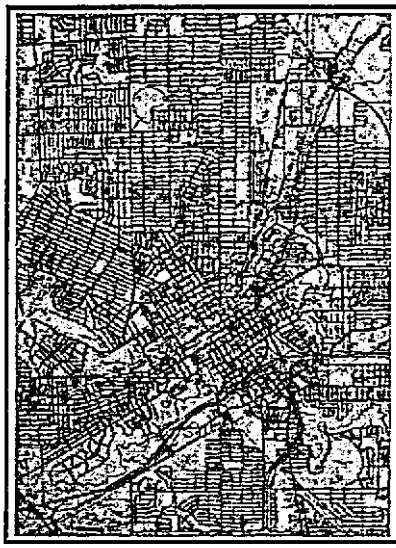
Members of the state task force on Flint water are Sikkema, of Public Sector Consultants; Chris Kolb, of the Michigan Environmental Council; Dr. Matthew Davis, of the University of Michigan Health System; Eric Rothstein, of the Galardi Rothstein Group; and Dr. Lawrence Reynolds, of Mott Children's Hospital.

Sikkema and Kolb are co-chairmen of the task force.

Dave Murray, press secretary for Snyder, said in an email Thursday the governor and administration continue to cooperate with task force members, "who are making a thorough review of all city, state and federal responses and procedures related to water in Flint."

"We also expect members will make recommendations that could address potential challenges in other cities moving forward," the statement said. "Today's interim report and recommendations are one step in that process. We appreciate that the task force members are investing their time and expertise to help us ensure that people in Flint — and across our state — will have access to safe, clean water."

MDEQ reassignment by Dec. 30 to current Urban Initiatives director, Brad Wurfel, Spokesman



City of Flint Water System Facts

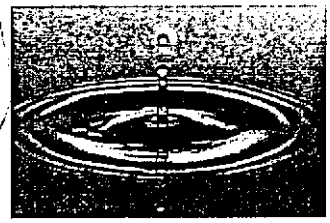
Over 600 Miles of Distribution Mains

Over 7000 Valves
Over 3909 Hydrants

Over 46,000 users in 2006
Only 31,000 users in 2014

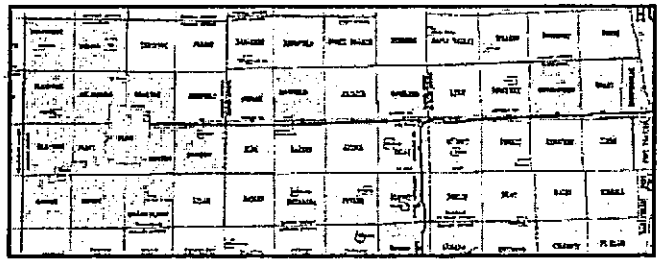
What Can Impact Water Quality ?

- Condition of source water
- Temperature
- Organic material
- Retention time in system
- Low flow
- Dead ends
- Main Breaks
- Repairs



Quality Indicators

- Chlorine residual
- Total coliforms



Flint River

vs.

DWSD

CITY TESTING

- ☐ 10 test sites around the city
- ☐ Tests are performed manually 2 – 3 times a week
- ☐ Over 100 Tests are performed a month
- ☐ All tests are reported to the DEQ for oversight
- ☐ Tests are performed **EVERY** four hours inside the Plant
- ☐ The City responds to and tests all reported concerns

Michigan DEQ
State License Types

Complete Treatment	Limited Treatment	Distribution
F-1	D-1	S-1
F-2	D-2	S-2
F-3	D-3	S-3
F-4	D-4	S-4

Doesn't include City of Flint

Recent Boil Water Advisories in MICHIGAN

Location	Date	Cause
Edwardsburg / Lunker	Nov 12, 2014	Fire
Superior Township	May 03, 2014	Main Break
Benton Harbor	Jan 9, 2014	Water Pressure
Union Township	Nov 6, 2013	Main Break
Charlevoix	August 7, 2013	Pressure Loss
Novi	Feb 13, 2013	Pressure Loss
Muskegon Heights	Nov 17, 2012	Main Break
Commerce Township	Dec 6, 2010	Depressurization

City of Flint Contacts

Public Works Director	Howard Croft – hcroft@cityofflint.com
Utilities Administrator	Daugherty Johnson- djohnson@cityofflint.com
Plant Supervisor	Brent Wright – bwright@cityofflint.com
F-1 Operator In Charge	Mike Glasgow – mglasgow@cityofflint.com
S-1 Operator In Charge	Robert Bincsik – rbincsik@cityofflint.com

Phone Numbers

City of Flint Treatment Plant	810-787-6537
Public Works Director	810-766-7346 x 2403
Utilities Administrator	810-766-7135 x 2602
EPA Safe Drinking Water Hotline	1-800-426-4791

Task force lays most blame for Flint water crisis on MDEQ

By VINCENT DUFFY · DEC 29, 2015

A task force appointed by Gov. Rick Snyder says Michigan's environmental regulatory agency is primarily responsible for the state's failure to ensure safe drinking water for Flint residents. The Flint Water Advisory Task Force says in a letter to Snyder that the state Department of Environmental Quality "must be held accountable for that failure."

The letter was made public Tuesday. You can read it here.

Corrosive Flint River water leached lead from service pipes into homes after the city switched last year from Detroit water. Elevated blood-lead levels later were found in some children. Department of Environmental Quality Director Dan Wyant and spokesman Brad Wurfel both resigned Tuesday.

Task force co-chair Ken Sikkema says in the letter that "Flint residents were exposed to toxic levels of lead in their water primarily due to a regulatory culture of passive technical compliance."

The FWATF letter stated in part:

"We believe the primary responsibility for what happened in Flint rests with the Michigan Department of Environmental Quality (MDEQ). Although many individuals and entities at state and local levels contributed to creating and prolonging the problem, MDEQ is the government agency that has responsibility to ensure safe drinking water in Michigan. It failed in that responsibility and must be held accountable for that failure."

"The City of Flint's water customers—fellow Michigan citizens—were needlessly and tragically exposed to toxic levels of lead through their drinking water supply. They deserve a commitment to properly assess responsibility and ensure accountability. They also deserve a commitment to needed mitigation in both the short and long term. The Flint water crisis never should have happened. Having failed to prevent it, state government should coordinate a sustained, public-health-focused response to remedy, to the fullest extent possible, the impacts on the Flint community."

The letter outlined three areas where MDEQ failed:

- Regulatory Failure
- Failure in Substance and Tone of MDEQ Response to the Public
- Failure in MDEQ Interpretation of the Lead and Copper Rule

This is the second letter sent by the Task Force. The first, sent earlier this month, made several recommendations concerning coordination of state efforts that were supported and implemented by Governor Snyder.

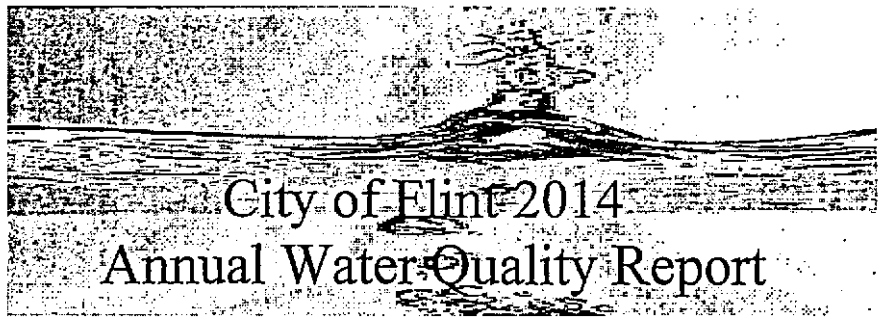
The full FWATF report is expected to be completed in early 2016.

Members of the Task Force include:

1. **Matthew Davis,** M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan.
2. **Chris Kolb** is president of the Michigan Environmental Council.
3. **Lawrence Reynolds,** M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center.
4. **Eric Rothstein** is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority.
5. **Ken Sikkema** is a senior policy fellow at Public Sector Consultants. (Full Disclosure - he is also a regular commenter on Michigan Radio.)

The FWATF was formed by Governor Snyder to review actions regarding the Flint water system and offer recommendations both for Flint and Michigan to protect the health and safety of state residents.

Flint Mayor Karen Weaver
Flint City Council President Kerry Nelson

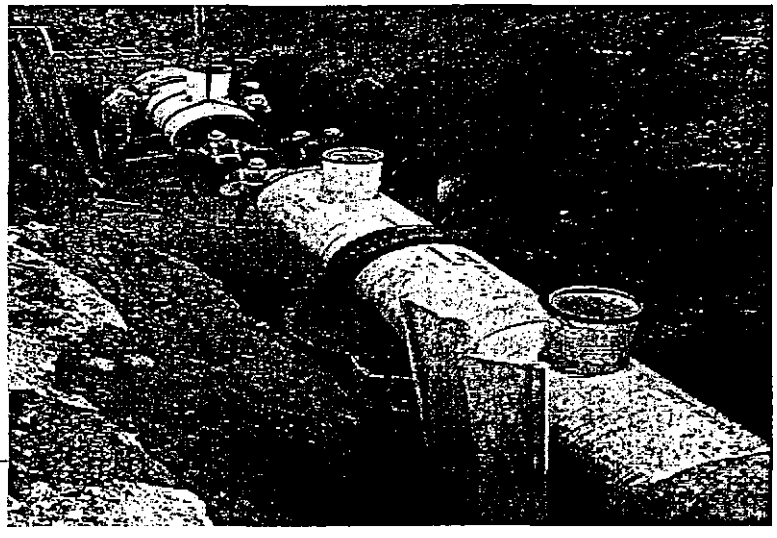


The Consumers Annual Water Quality Report provides important information about your drinking water. This report includes information about the source of the water, health information, a chart summarizing regulatory required testing results, and a table giving explanations of important terms to understand when viewing the test results. The City of Flint Department of Utilities is dedicated to providing quality drinking water to the residents of the community. The Flint Water Plant operates and maintains a certified drinking water laboratory to assure compliance with all state and federal regulations, and is committed to prompt and thorough notification to the consumers if there is any reason for concern about the quality of the drinking water. Information about your drinking water is available on the City of Flint web page at *www.cityofflint.com* or by calling the City of Flint Water Plant at (810) 787-6537. The Safe Drinking Water Hotline at (800) 426-4791 is a resource for health related questions and water quality issues. General drinking water information can also be found on the USEPA web site at www.epa.gov/safewater/.

Water Source

The City of Flint began using the Flint River as a water source in May of 2014. Flint is located roughly in the middle of the Flint River Watershed. The Flint River watershed includes Holloway Reservoir, C.S. Mott Lake, Kearsley Lake, and numerous streams and creeks that drain to these lakes or directly into the Flint River. The Michigan Department of Environmental Quality in partnership with the U.S. Geological Survey, and the City of Flint Utilities Department conducted a source water assessment in February 2004 to determine the susceptibility of potential contamination. The susceptibility rating is a seven-tiered scale ranging from "very low" to "very high" based primarily on geologic sensitivity, water chemistry, and contaminant sources. The Flint River source water intake is categorized as having a very high susceptibility to potential contaminant sources.

The use of the Flint River as a source water for the City of Flint Water Treatment Plant was a temporary move, driven largely by economics and the financial state of the City. The City of Flint joined the Karegnondi Water Authority (KWA) in 2010. The KWA consists of a group of local communities that decided to support and fund construction of a raw water pipeline to Lake Huron. The KWA will provide the City of Flint Water Treatment Plant with source water from Lake Huron. The KWA pipeline is currently under construction, and is scheduled to be completed by the end of 2016.



KWA pipeline construction

General Information

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by the public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- **Microbial contaminants;** such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic contaminants;** such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- **Pesticides and herbicides;** which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- **Organic chemical contaminants;** including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- **Radioactive contaminants;** which can be naturally occurring or be the result of oil and gas production and mining activities.

General Information (cont.)

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-comprised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that the lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Flint Department of Utilities is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. If you are concerned about elevated lead levels in your home's water, you can minimize your potential exposure to lead in your water by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

2014 & Current Drinking Water Issues

The City of Flint did experience drinking water issues in the summer of 2014. Issues began with areas of the city experiencing "rusty" water. This was largely due to the fact that the city distribution system contains hundreds of miles of cast iron pipe. As these pipes age and degrade, iron is released, causing the water to exhibit color. The change in source water, water main breaks, and routine maintenance to the system also contributed to this problem.

The City of Flint received violations from the Michigan Department of Environmental Quality (MDEQ). The violations included a total coliform and E. coli in August and September of 2014, and a corresponding total trihalomethanes (TTHM) violation in December of the same year. As the city distribution system testing began to detect bacteria, system flushing increased, and chlorine addition to the water at the treatment plant also increased. The resulting increased chlorine addition then resulted in the higher formation of trihalomethanes.

While facing these issues, the City of Flint took steps to confer with industry professionals and state regulators in regards to treatment plant operation and distribution system operation. In November, TTHM levels were below the Maximum contaminant level set forth in the Michigan Safe Drinking Water Act.

Moving Forward

The City of Flint has taken many steps to correct the underlying issues that resulted in the drinking water violations. Water Treatment Plant corrective actions that were taken immediately after the issues occurred included:

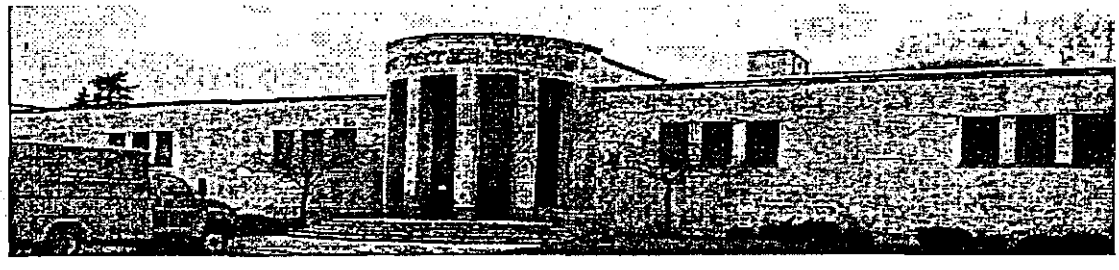
- Limiting the use of storage reservoirs during the warm weather months.
  - Warm water temperatures and water age are large contributors to the formation of THM's.
- Optimizing ozone pretreatment by updating control programming along with cleaning and inspection of the ozone generators.
  - Ozone is a powerful oxidant that provides a level of disinfection along with taste and odor control.
- Currently finalizing the installation of granular activated carbon (GAC) to the filtration process, which should be complete by the end of July 2015.
  - GAC will reduce THM's by removing the chemical precursors that react with chlorine to form the THM's.

Moving Forward (cont.)

Distribution system corrective actions that were enacted include:

- Increased water main flushing in an effort to alleviate stagnant water.
- Update distribution system water hydraulic model, to determine possible problem areas.
- Repaired or replaced several large water main valves, which were inhibiting the designed flow of water through the system.
- Planning and budgeting of 24' transmission water main repair in area of concern in the distribution system.
- Begin a complete distribution system evaluation of the 7000 water main valves that control the flow of water throughout the city. This project will be complete in July of 2015 and will provide information on where to proceed with further repairs and future projects.

The City of Flint is dedicated to resolving the issues that are facing the water system, and will continue to move forward as we prepare for the future. The City would like to thank all the residents and customers for their patience and understanding as we face the challenges ahead. The trials and tribulations that we have faced with the switch to the Flint River as a source water will prove to be important as we move ahead as a member of the KWA. Some of the distribution system issues experienced in 2014 while using the Flint River may also have been experienced with a different source water. As we continue to address the issues and take steps to be proactive, we can assure a future of quality drinking water in the City of Flint.



If you have any questions about this report or other concerns please contact the City of Flint Water Plant (810) 787-6537.

2014 Regulated Detected Contaminants
Monitored at Treatment Plant

Regulated Contaminant	Unit of Measure	MCLG	MCL	Highest Level Detected	Range of Detection	Violation
Inorganic Chemicals						
Fluoride	mg/L	4	4			No
Nitrate	mg/L	10	10	0.5	0 – 0.5	No
Metals						
Barium	mg/L	2	2	0.03	0.02 – 0.03	No
Selenium	mg/L	0.05	0.05	0.001	0 – 0.001	No
Pesticides						
Atrazine	mg/L	0.03	0.03	0.0003	0 – 0.0003	No
Organics						
Total Xylenes	mg/L	10	10	0.0005	0 – 0.0005	No

More than 100 other chemicals were monitored throughout the year that were not detected. The list of various classifications these chemicals are associated with include metals, carbamates, herbicides, pesticides, organics, and radiological.

Total Organic Carbon, TOC			
Regulated Contaminant	Required Monthly % Removal	Minimum Monthly % Removal	Monthly % Removal Ranges
Total Organic Carbon	50	53	53 - 68

Finished water and Source water samples are collected and analyzed monthly to calculate percent removal. Total organic carbon includes numerous chemicals that are found naturally in surface waters. Certain chemicals found in this group are precursors to the disinfection byproducts trihalomethanes and haloacetic acids.

Turbidity		
Highest Single Measurement (Cannot exceed 1NTU)	Lowest Monthly % of Samples Meeting Turbidity Limit (< 0.3 NTU in 95% of samples)	Violation
0.22	99.1	No

Turbidity is a measure of the apparent cloudiness of water, usually attributed to particulate matter. The turbidity data in the chart above is measured from the water plant tap every 4 hours. Turbidity is monitored throughout each stage of the treatment process in 4 hour intervals, and in one of the final stages of treatment, filtration, turbidity is monitored continuously with in line meters, and verified every 4 hours in the laboratory.

In 2014, the EPA required the City of Flint and other communities to conduct further testing on unregulated contaminants at the treatment plant and the maximum residence time in the distribution system. The monitoring results will be utilized by the EPA to determine if these chemicals should be regulated. The unregulated contaminant monitoring that yielded results are presented in the chart below

Unregulated Contaminant Monitoring			
Regulated Contaminant	Unit of Measure	Highest Level Detected	Range of Detection
Chromium	ug/L	0.40	0 – 0.4
Hexavalent Chromium	ug/L	0.40	0.34 – 0.40
Strontium	ug/L	130	120 – 130
Vanadium	ug/L	0.20	0 – 0.20

2014 Regulated Detected Contaminants
Monitored in Distribution System

Disinfectant Residuals						
Regulated Contaminant	Unit of Measure	MCLG	MCL	Highest Level Detected	Range of Detection	Violation
Total Chlorine Residual	mg/L	4.0	4.0	3.5	0.1 – 3.5	No

Microbiological Contaminants				
Regulated Contaminant	MCL G	MCL	Highest Number detected (in 1 month)	Violation
Total Coliform bacteria	0	The presence of coliform bacteria in > 5% of monthly samples	15	Yes
E. coli Bacteria	0	0	1	Yes

Disinfectant residuals and microbiological contaminants are monitored at 8 locations throughout the city distribution system, and at the 2 drinking water reservoirs and pump stations located out in the distribution system. At least 100 samples are collected and analyzed each month.

Lead & Copper						
Regulated Contaminant	Unit of Measure	MCLG	Action Level AL	90th Percentile Value	Number of samples over AL	Violation
Lead	ug/L	0	15	6	2	No
Copper	mg/L	1.3	1.3	0.11	0	No

Lead and copper monitoring was conducted from June through December 2014 with the collection of 100 samples. Samples were collected by residents from the taps at their residence. Thank you to all who participated in collecting samples.

Disinfection By-Products						
Regulated Contaminant	Unit of Measure	MCL G	MCL	Highest Level Detected	Range of Detection	Violation
Total Trihalomethanes (TTHM)	ug/L	n/a	80	196	33.3 -196.2	Yes
Haloacetic Acids (HAA)	ug/L	n/a	60	64	5 - 64	No
Bromate	ug/L	10	10	23	0 - 23	No

DBPs

Disinfection by-products occur as a result of the water treatment process. Bromate is formed as a result of using ozone as a treatment additive. Ozone is used to help control taste and odor issues, and as a pre-treatment disinfection. Naturally occurring bromide reacts with Ozone to generate bromate. Bromate is monitored monthly, and compliance is based on a yearly average.

TTHM's and HAA's are formed as a result of utilizing chlorine in the treatment process. Naturally occurring compounds known as TOC's (total organic carbon) react with chlorine to form TTHM's and HAA's. The temperature and the age of water increase the formation of THM's and HAA's, and as a result, during the warm months of the year is when levels were at their highest. Samples are tested quarterly from 8 sites throughout the distribution system and compliance is based on a running annual average at each individual site.

Key to the Detected Contaminant Tables		
Symbol	**Abbreviation for**	**Definition/Explanation**
>	Greater than	
AL	Action Level	The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements which a water system must follow.
HAA5	Haloacetic Acids	HAA5 is the total of bromoacetic, chloroacetic, dibromoacetic, dichoroacetic, and trichloroacetic acids. Compliance is based on the total .
LRAA	Locational Running Annual Average	
MCL	Maximum Contaminant Level	The highest level of a contaminant that is allowed in d water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
MCLG	Maximum Contaminant Level Goal	The level of contaminant in drinking water below which there is no known or expected risk to health.
mg/L	Milligrams per Liter	A milligram = 1/1000 gram 1 milligram per liter is equal to 1ppm
MRDL	Maximum Residual Disinfectant Level	The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MRDLG	Maximum Residual Disinfectant Level Goal	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRLDG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.
n/a	Not Applicable	
ND	Not Detected	
NTU	Nephelometric Turbidity Units	Measures the cloudiness of water.
pCi/L	Picocuries per Liter	A measure of radioactivity. Picocurie (pCi) means the quantity of radioactive material producing 2.22 nuclear transformations per minute.
ppb	Parts Per Billion (one in one billion)	The ppb is equivalent to micrograms per liter. A microgram = 1/1000 milligram.
ppm	Parts Per Million (one in one million)	The ppm is equivalent to milligrams per liter. A milligram = 1/1000 gram.
RAA	Running Annual Average	
TT	Treatment Technique	A required process intended to reduce the level of a contaminant in drinking water.
TTHM	Total Trihalomethanes	Total Trihalomethanes is the sum of chloroform, bromodichloromethane, dibromoochloromethane and bromoform. Compliance is based on total.
ug/L	Micrograms per Liter	A microgram = 1/1,000,000 gram 1 microgram per liter is equal to 1ppb

Template from prior event (2014 flood)

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

First announcement Apr 25, 2014 Switch to Gov't R. but later terminated by Mayfield Gov't

(Date of Request)

The Honorable //// //////
President of the United States
The White House
Washington, D. C.

Through: Regional Administrator [NAME]
FEMA Region _____
City, State, Zip Code

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § [Major Disaster citation (206.36), Emergency citation (206.35)], I request that you declare a [major disaster or emergency] for the ***(name of the State or Indian tribal government)*** as a result of ***(name type of incident and incident date as identified in the declaration request form)***.

[The following information is required for ALL requests. Provide additional information that is not contained in the form. If requested information is included in the form, it is not necessary to repeat in the cover letter.]

Describe deaths and/or injuries associated with the event.

Describe voluntary agency assistance provided to the community in anticipation of or as a result of the event. (including but not limited to activities taken by the American Red Cross (ARC), Salvation Army, Southern Baptists, and Voluntary Organizations Active in Disaster; voluntary agency and/or municipal shelter information, including the number of shelters open, the peak population, total number of overnight stays, and when the shelters closed; number of mental health contacts made by voluntary agencies; number of ARC cases open and closed; number of clean up kits provided; number of meals served; number of fixed and/or mobile feeding sites; level of ARC operation (I-V); and any other type of assistance that was provided by voluntary organizations).

Indicate whether a State of Emergency has been declared, when and to what areas are included in the declaration. Indicate if affected jurisdictions have also declared states of emergency.

Provide a description of damage as a result of the event (such as the impact the event has had on the affected area and population; disruption of normal community functions and services, including damage to any critical facilities that have been rendered non-operational by the event and extended or widespread loss of power or water; emergency conditions that may be present,

health and safety hazards, status of repairs, and estimated completion date(s), if known.

Provide information on PDA findings and how and where they were conducted, including accessibility concerns, if additional space needed from the form.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this disaster:

Describe what has been done to respond to the disaster, including actions pending or taken by the State, local, or Indian tribal governments. Describe any State, local or Indian tribal government Individual Assistance programs.

Provide the disaster history of the State or Indian Tribal government over the past 12 months, including Stafford Act declarations and declarations by the Governor or Tribal Chief Executive and the extent to which the State or Indian tribal government has expended its own funds; list areas that have sustained damage from this event and other disasters in the previous 12 months; and include any other pertinent factors that would have a bearing on the State or Indian tribal government's ability to respond, such as economy of the area, terrain, inaccessibility, or capacity of voluntary organizations active in disaster.

[The following information is required for requests for Individual Assistance.]

Provide detailed information on the impacted population, including percentage of insurance, percentage below poverty level, median household income, percentage of elderly, percentage of disabled, pre-disaster unemployment rates, and any other special populations. Include a comparison of the percentage of the State, local, or Indian tribal government averages and national averages.

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
National Average	%	$	%	%	
State/Tribe Average	%	$	%	%	
List Jurisdictions Requested	%	$	%	%	

* *Indicate source of data cited*

[The following information is required for requests for Public Assistance.]

Provide a brief analysis of infrastructure damage by category, including the cost estimates for each category and the percentage of the total eligible Public Assistance cost estimate. Include in your discussion significant impacts to specific areas. If any local communities have sustained significant damage and

have incurred extremely high per capita impacts, provide that information, especially if the localized damage is in the tens or even hundreds of dollars per capita.

Discuss level of insurance coverage.

If applicable, include estimates for emergency dune restoration on non-engineered beaches that may be eligible for the placement of temporary berms in order to eliminate or lesson the threat of additional damage from a five year event. Identify all damage associated with engineered beach projects and indicate whether or not the damage associated with those beaches is included in the PDA information. Note that beach projects under the authority of the United States Army Corps of Engineers, are not eligible for Public Assistance, as they are under the authority of another federal agency, therefore costs associated with such projects should not be included in the PDA information. Such costs should be identified in Enclosure C.

Insert concluding statement.

Sincerely,

//////////////
(Governor or Tribal Chief Executive)

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13
A: Individual Assistance
B: Public Assistance
C: Requirements for Other Federal Agency Programs
D: Historic and Current Snowfall Data

ENCLOSURE A TO MAJOR DISASTER REQUEST

Estimated Requirements for Individual Assistance
under the Stafford Act

Enclose Individual Assistance Joint Preliminary Damage Assessment Cost Estimate Worksheets

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ENCLOSURE B TO MAJOR DISASTER REQUEST

Estimated Stafford Act Requirements for Public Assistance

Enclose Public Assistance Preliminary Damage Assessment Cost Estimate Worksheet

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ENCLOSURE C TO MAJOR DISASTER REQUEST

Estimated Assistance from Other Federal Agency Programs

County/ Tribal Area	SBA Home Loans	SBA Business Loans	FSA Loans	NRCS	FHWA	USACE	BIA	OTHER
Totals								

Note: Provide numbers and amounts, as appropriate.

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ENCLOSURE D TO MAJOR DISASTER REQUEST

Historic and Current Snowfall Data

County / Tribal Area	NWS Snowfall (inches)	Period (# of days)	NCDC Record Snowfall Data		Evaluation				
			Amount	Period	Record Exceeded	Near Record	Contiguous County	Core County	Comments

Note: *Provide National Weather Service statement.*

initial draft text re: Flint

1

January ??, 2016

(Jan. 6 briefing notes on back)

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C. 20500

Through: Ms. Janet Odeshoo, Acting Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Michigan as a result of water system problems and their associated public health impacts within the City of Flint (Genesee County), since May 2014.

The current public health emergency involves serious problems with the water quality supplied through the city's system... (Describe physical human impacts – injuries/deaths)

(Describe voluntary agency assistance provided to Flint to assist with this issue: ARC and its level of operation, Salvation Army, Southern Baptists, MIVOAD, other agencies, municipal programs/shelters, etc. Include numbers and dates – cases, persons, amounts, etc.).

(Indicate the States of Emergency declared, by whom, and for which areas.)

(Describe physical damages which have occurred, utility and service disruptions, impacts upon people, effects upon critical facilities, other emergency conditions, health and safety hazards, status of repairs/improvements and their estimated completion dates, if known.)

(Provide information on PDA findings, how/where conducted, accessibility concerns.)

General background/context:
Throughout the 20th Century, several overarching trends affected cities throughout the United States, in ways which would eventually prove to be very challenging to historical central cities—especially Flint. Through the 1920s, long-established development patterns had involved the expansion of central cities through the method of "annexation," in which outlying lands officially became part of the city and thus became supplied with urban infrastructure which allowed for more intensive development. However, as various technological advances reduced the costs of the infrastructure required to support moderate levels of development in outlying areas, many of these urban fringe areas became developed without a full need for the central city's urban infrastructure. Traditional urban transportation requirements had also been transformed by the mass-production of affordable automobiles, allowing great increases in the distances over which people could commute to work each day. These general national trends tended to then be supported and institutionalized with various laws and policies, solidifying the independent strength of "suburban" developments around each historical central city. For example, Michigan's Charter Township Act of 1947 greatly enhanced the capacity of townships to resist annexation efforts, so long as they provided a suitable level of infrastructure and services on

their own. Other post-war policies included the Federal Housing Administration's support of suburban residential development, the construction of the interstate highway system which provided infrastructure to allow rapid transportation between the central and fringe sections of most major urban areas, and subsequent shifts of retail outlets (e.g. shopping malls) and employment centers (e.g. office and industrial parks) toward outlying areas where taxes were less expensive, land was more plentiful, and metro-area processes had led to suburban areas with concentrations of wealthier consumer and highly educated, specialized labor forces existed which made these suburban locations highly logical choices for new developments of these types.

Although the proliferation of suburbs had been consistent with certain kinds of democratic ideals, allowing more freedom of choice among area schools, municipalities with their own separate electoral processes and budgets and revenue systems, and various lifestyle choices associated with certain locations, there were also serious problems which these processes were creating. One was the development of segregation patterns, which had to be offset over the course of several decades with government action such as Shelley versus Kraemer (1948) and the Fair Housing Act of 1968. Urban planners worked with new principles and requirements involving equity, such as the spatial distribution of subsidized housing according to "fair share" principles, and also involving environmental justice, recognizing that some of the most heavily polluted and disaster-prone areas were tending to be those that were becoming disproportionately occupied by poorer residents and persons identified with ethnic minority groups. Many school districts shared some of the same boundaries which had divided central cities from suburbs, resulting in another set of institutional impacts which required corrective policies to adjust for, such as busing and later Schools of Choice programs.

Although it took only a couple of decades for the negative effects of these processes upon most central cities to become clear, it often took additional decades to start correcting some of their effects. Some of these have continued to this very day because of their complexity, and thus the political, economic, and organizational difficulties of addressing them effectively. Michigan has seen central city budgets shrink greatly along with declines in those municipalities' populations, land values, intensity of development, and tax revenues. A "vicious circle" has sometimes developed, in which declines of one type have gone uncorrected for enough time that related declines are caused or worsened, leading to a dilemma of how to stop such a negative cycle from continuing.

In the case of the City of Flint, it had grown rapidly during the early 20th Century and then saw its population peak in the 1960 census, at a population of nearly 200,000. From this peak, the population had dropped only slightly by 1970, but each decade thereafter saw the loss of more than 10% of the city's population. Today's population is estimated at only about 100,000—only about half of what it had been 50 years before. But despite the loss of important industrial plants and their associated jobs, most of this change in the central city was the result of a dispersion of population and resources across the broader metropolitan area, rather than from an overall metropolitan decline. Genesee County as a whole continued to have its population increase through 1980. As Flint itself lost about 37,000 persons between 1960 and 1980, Genesee County's population increased by about 76,000. Only then did the area as a whole start declining, sporadically and inconsistently, with the county sometimes registering slight

population growth, alternating with periods of larger decline. These simultaneous patterns are shown in the following data table:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,413	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	445,589	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.3%	52.6%	43.4%	35.4%	32.7%	28.6%	24.1%

As Flint was completing its mid-20th Century boom, its population grew substantially, except during the depression decade of the 1930s. During this time, the county as a whole was also expanding, at a somewhat faster rate than the city, so the proportion of the county's population found in the central city did decline during that period. However the city's shrinking proportion within its metropolitan area did not pose much of a problem as long as both the city and the overall area were growing. By contrast, the extent of central city population loss seen after 1970 was very serious, straining the city's budget to the point where an official bankruptcy (declared in 2XXX) appeared to provide one of the clearest means to sort through the many debts and shortfalls which had accumulated. Shrinking city revenues, budgets, and services seemed over time to lead to conditions and situations which directly affected the health of its residents—alarming rises in homicide rates, deterioration of the city's housing stock, an accumulation of brownfield sites, episodes of widespread arson, and the current public health emergency involving the city's water supply.

Central cities frequently provide important services and functions for their entire metropolitan areas, but as a result of 20th Century trends, such cities often bore increasing financial burdens while doing so, as many sources of tax revenue dropped off as residents moved to suburbs and increasingly shopped and worked in those suburbs as well. Even when businesses and people remained in the central city, tax revenues often shrank when overall property values declined within an increasingly suburban and exurban metropolitan environment. According to Flint's 2013 Master Plan (page 18), the daytime weekday population of the city increases to nearly 134,000 as a result of worker and student inflows. Thus, the city regularly supports traffic and services for more than 30,000 persons beyond those who are full-time residents of the city. During major events, this number is much higher. A disproportionate number of the city's residents are in poverty. A disproportionate number of the city's residents have disabilities (functional needs).

Equally troubling, the socio-economic profile of the affected counties and local communities found at Attachment 1 shows these areas are also some of the most economically distressed in the region and therefore least able to recover from this flood disaster on their own. For example, in Wayne County, where over 23 percent of residents live below the federal poverty level, in the hard-hit cities of Dearborn, Detroit, Highland Park, and Inkster, the poverty levels all exceed 25 percent. In the City of Highland Park, the poverty level is closer to 50 percent. Three significantly affected Wayne County communities (i.e., the cities of Detroit, Highland Park, and Inkster) have median household incomes (at $26,955, $20,298, and $28,095, respectively) that are close to one-half of the state average of $48,471. In Macomb County, the City of Warren's poverty level exceeds 17 percent and its median household income, at $44,982, also lags nearly 8 percent behind the state average. The cities of Dearborn and Dearborn Heights in Wayne County both have poverty levels exceeding the state average, and median household incomes that are less than the state average. The cities of Madison Heights and Oak Park in Oakland County also experience those same conditions. Unemployment in many of the affected communities is also high. For example, all three counties have unemployment rates (at 9.6 percent, 8.4 percent, and 11.1 percent, respectively) that exceed the state average of 7.7 percent. (Unfortunately, Michigan's unemployment rate remains one of the highest in the nation, and well above the national average of 6.2 percent.) The City of Highland Park has an unemployment rate that exceeds 23 percent, while the City of Detroit's rate exceeds 17 percent. As the table at Attachment 1 shows, several other communities particularly hard-hit by the flooding also have unemployment rates that exceed double digits.

The following information is furnished on the nature and amount of State and local government resources that have been or will be used to alleviate the conditions of this disaster:

(Describe response actions by state and local governments. Describe any state/local Individual Assistance programs.)

In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on August 13, 2014, in accordance with section 401 of the Stafford Act. On that same date, under my authority as Governor, I also proclaimed a State of Disaster for the counties of Macomb, Oakland, and Wayne, including the local political subdivisions located therein, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned counties and local political subdivisions in responding to and recovering from this disaster. I must note that numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to, providing direct assistance to the affected communities and to individuals, assessing the damage and impacts to affected state facilities, infrastructure, and services under their stewardship, and taking appropriate actions to keep those affected facilities, infrastructure, and services operational.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that supplemental federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected counties specified in this

request, and activation of the Hazard Mitigation Grant Program for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively.

(Describe

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Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions"; Maps, weather, and flood charts, and damage photographs related to this disaster can be found at Attachment 3, "Supporting Maps, Charts, and Photographs."

I certify that for this major disaster, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Tony Katarsky. Rqd agencies:
DEQ
HHS
Educ
Talent + Ec Devel.
TMB
DARQ

Sincerely,

Rick Snyder
Governor

Everyone else Stay til noon – then evaluate whether needed to stay. Lunch at 11:30a.

Attachments and Enclosures:
Attachment 1: Demographic Profile of the Affected Counties and Selected Local Municipalities
Attachment 2: Significant State and Local Response and Recovery Actions
Attachment 3: Supporting Maps, Charts, and Photographs

Office of Management and Budget Form No. 1660-0009
Enclosure A: Estimated Requirements for Individual Assistance under the Stafford Act
Enclosure B: Estimated Requirements for Public Assistance under the Stafford Act
Enclosure C: Estimated Requirements for Other Federal Agency Programs
Enclosure D: (Not Applicable to this Request)

(3) ARC not yet involved at this point
LARA helped DEQ with testing. Flint + Genesee oversee their own plumbing but lack inspectors - need assist from state. (Capt use of emps?)

Terrace room to be used as initial JIC with PIOs.

Gov. rep: pending lawsuit + potential lawsuit under Safe Drinking Water Act. Do jobs, but take care re: litigation vs Gov.

MDOT many pipes are under roads + coordination wld be good. (w. EPA)

Lt. GT Roach: Gen. Co. Pub Hlth Dept, GCARP? (Pub Assist from) water distrib, filter distr, educ., Pb testing clinic (coord w DHHS United Way, Flint Health Dept. over 23K filters + replacement cartridges so far, Co. GIS getting underway. Coord w DT.

ATTACHMENT 1 TO MAJOR DISASTER REQUEST

Demographic Profile of the Affected Municipality

	Persons Below Poverty Level	Median Household Income	Children under 5 years	Percent Elderly (65+ years)	Percent with Disabilities	Percent Pre-Disaster Unemployment (5-year estimate)
National Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State Average	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	XX.X%	$XX,XXX	XX.X%	XX.X%	XX.X%	XX.X%
City of Flint (Genesee Co.)	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Data Sources
U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

(2) (briefing continued) some fixtures/fountains > 100 ppb
Fall 2015 schools testing + actions required ~25 to 50 samples per school, 200-300 samples total per facility. 4 samples per sampling point, (after different flush times) 10 consecutive samples. Info to spreadsheets + reports,
Oct 15 switched back to Detroit water
Dec. 9, '15 supplemental PO_4 addition began, duplicate. water filters available for free.
Use of Erosion controls slow but do not stop the leaching process.
Any resident of Flint can get a bottle to fill with sample for H_2O testing. Results posted online.
Overall slight downward Pb trend. But some values well over 100 ppb. 2500 ppb at a child care facility!
No historical test results there to compare with (schools) Some historical data exists elsewhere to compare. (no mention of the comparison)
Not a problem only of Flint's. "Low-lead brass fixtures" could still have as much as 8% Pb,
increasing recognition
Dr Wells: Excavation + manipulation of lead lines tends to exacerbate particulate levels,
Capt: review the EMP for all relevant information. All info to go out through PIOs.
(except internal coord + calcs)
Ethel DHHS: allocation to buy water + filters. 2 pickup locations in Genesee (at DHHS offices) free filters
Neil? Water purchases from S. Carolina.
and? MDARD Food service, processing, restaurants. Pb affects animals as it does humans (company animals)
? Dept. Educ re: school meals?

①

1-6-2016 SECC Briefing 9 AM

pre-meeting questions:
Lead (corrosion control chemicals) and testing? treatment?
THM trihalomethanes (ferric chloride, which can accelerate corrosion & lead deposition)
emergent from over-chlorination

Start of briefing:
Overall goals: assess situation, prioritize, coordinate. Life-safety issues. Water supply. Unified command: Flint city, county, state, Michigan
SECC activation 8-5 M-F
2015-10-01-City of Flint water source shortage
Maintain activity log in WebEOC.
IC + gen staff 11 AM assign
IC objectives mtg 10 AM.
Unified command: Flint city, county, state, Michigan
Overall goals: assess situation, prioritize, coordinate. Life-safety issues. Water supply. Unified command: Upon initial meeting
Gov. declared state of emergency. Prez disaster declaration does not apply here, but emergency is possible to supplement state efforts.

Lead pipe replacement program (MDEQ check Jen Boyer)
GIS Map Filter distribution, home locations. gaps in distrib (+ testing?),
Nutrition distribution program? Long-term recovery styles. Restore trust in state govt.
JIC will be set up.

Dr. Wells: DNHS chief medical executive; Pb as neurotoxin; affects every system in the body - lowers IQ
Esp problematic in developing children - esp if not enough Fe, Ca. 5 µg/dL 10 µg/dL no safe level; lead exposure
gastric, ulcers, anemia, etc incl. death. Cognitive + developmental delays, attention + behavioral disorders
Sources: gasoline (till 1970s), paint, pipes pre 1978 homes, ammunition + firearms, soils industrial sites. Air pollution
CLIP - childhood lead prevention program, Screened at age 1 & 2 those who test high (≥5 µg/dL evaluated for exposure/cause
critical action level 45 µg/dL immediate medical treatment chelation treatment to remove Pb
investigation - sources of Pb in environ.
Water concentration does vary seasonally,
x̄ ± T, Pb diffs Targeted area old cities,

(VA tech Mark Edwards independent testing of water)
~~Lead~~ elevated Pb ~~confirmed~~ declining in Flint
Hurley Med Ctr. until 3RD Q of 2014 (FY or calendar?)
deals with the high-risk area.
AJ Pub Health study published 2 wks ago. by zip code - esp 2 zip codes in Flint 03 04 Dr. Mouhamadou?
water is not the only source of Pb there. decrease but not stat. significant. Pin down high risk areas.
Pb levels can + do drop when exposure is reduced. Testing since Oct. 1 to Dec. 18 2015?
Improper water filter use (several types), or non-use (e.g. after Detroit water restored) Pb ½ life < 30 days,
Dept Surveillance results. 23 ch < 6, 7 ch older, 8 adults blood levels > 5 µg/dL
1 hospitalized (high Pb 30s) 12 elevated Pb blood level cluster patterns.
HUD funded program at state level. Now includes H2O testing.
coord w. WSU, U-M Flint? (she said MSU Flint). Misinformation exists. dust, paint, soil Pb also found
Shower or bathing? much local support. Info sent through schools w/ childr
Would like to test as many < 6yo as possible there. ? SNAP WIC nutritional programs for young children.
develop app?

mi.gov. Flint water for filter info (Home Dept partner)
MDEQ web: blood Pb level testing reports

Q: Other substances of concern? A: yes: Cu, bacteria, other chemicals those w. Wilson's disease.
Flint DWSD Detroit Water Sewer Dept (Flint R as emerging body)
George Bristian - Plant action plan coord w. MDEQ; Jan 2014 discuss KWA Kanawha-wide Auth. April 7, 2014
May 2014 began using Aug-Sept 6 locations part of city e coli, total coliform found. late 2014 early 15, disinfectant by-products TTHM HAA5
6ppb: portable (40% lower than EPA) 2nd round 11ppb (EPA 15ppb) Carbon or

Could not be so large as to discourage recycling.

Stop by end of today. Ply mtg. 2 PM INP open 3 PM

Mike Sobocinski's notes from the SEOC briefing of January 6, 2015:

Capt. Kelenske: This activation is different from many. Overall goals will include assessing the situation, prioritizing actions, and coordinating between agencies, identifying life-safety issues. SEOC activation hours are currently 8a-5p Mon-Fri. MI CIMS event titled 2015-10-1-City of Flint water contamination/shortage. Maintain activity logs in MI CIMS. Battle order set up for today: IC objectives meeting 10am, assign work tasks 11am IC + general staff, 2pm planning meeting, IAP approved 3pm, Unified command initial meeting 4pm. Governor declared state of emergency. Presidential disaster declaration will not apply here, but an emergency is possible to supplement state efforts. Lead pipe replacement program to be checked into – perhaps by Jen [Boyer?] of MDEQ. GIS mapping to cover filter distribution, home locations, distribution/testing gaps, etc. Nutrition distribution program [correct title?]. More of a long-term recovery style of approach. Goal to restore trust in state government. JIC will be set up.

Dr. Wells (DHHS chief medical executive): Pb as neurotoxin, affecting every system in the body, lowering Fe and Ca. Especially problematic in developing children under age 6, esp if not getting enough Ca, Fe. Standards have become increasingly strict over time, with Pb levels formerly 10ug/dl to warrant action, then lowered to 5ug/dl, and today Pb is treated as having no safe exposure level.

[NOTE: she is referring to blood concentration levels of micrograms per deciliter, not to be confused with water concentrations referred to elsewhere in units of micrograms per liter: ug/l. I'm using u to represent the greek letter mu, symbol for the "micro" prefix]

Health problems from lead include gastric problems, ulcers, anemia, etc. including death. Cognitive & developmental delays, attention & behavioral disorders. Pb sources include gasoline and paint (until the 1970s), pipes (esp. pre-1978 home construction), ammunition and firearms, soils & industrial sites, air pollution (especially in summertime). CLPP "clip" Childhood Lead Prevention Program. Screenings at age 1, age 2. Those who test >5ug/dl (national standard) are evaluated for environmental exposures/causes. Critical action level 45ug/dl – immediate medical treatment, chelation treatment to remove Pb, and investigation of Pb sources in environment. Water concentration does vary seasonally, with temperature and Ph changes. Old cities are targeted areas for higher risk. Virginia Tech independent testing of water. [From her limited description, I was unclear in the end of the relationship between these results and other tests.] Elevated Pb levels generally declining, including in Flint, until 3rd quarter of 2014 [fiscal quarter or calendar year??]. Hurley Medical Center deals with the high-risk area in Flint. American Journal of Public Health issue of 2 weeks ago had study published on this topic. Water is not the only source of Pb in the area. An increase was measured in 2 Flint zip codes [485]03 and [485]04 although it didn't reach statistical significance. Need to pin down high-risk areas – Pb levels can and do drop when environmental exposure is reduced. Testing since Oct. 1 [2015], to Dec. 18 [period for specific results, assuming testing still continues after Dec. 18?]. Improper water filter use, or non-use (e.g. after Detroit water restored in Flint), has caused problems. Pb has half-life of less than 30 days. Department [hers or in the city of Flint?] surveillance results: 23 children under 6, 7 children age 6+, 13 adults who had blood levels above 5ug/dl. 12 elevated Pb blood level investigations; now including water testing, but Pb in dust, paint, and soil was also found. 1 hospitalized (level in the high

30s of ug/dl). HUD-funded program at the state level [name?] Coordination with Wayne State University and Flint campus of [she had said MSU, but it is likely that it is instead U-M Flint]. Misinformation exists re: questions like whether it's okay to shower or bathe in the water [she provided no answer for her own example – is it okay?]. Much local support exists. Info sent through schools with the children who attend them. SNAF, WIF [double check?] nutritional programs for young children. Would like to test as many young children (under 6) as possible in the city. See MI.gov or Flint Water for information about filters – Home Depot as a partner. MDEQ includes blood Pb level in their testing reports.

Question asked: Are there other substances of concern besides Pb in water? A: yes, bacteria, Cu (esp. for those with Wilson's disease), and "other chemicals." [MDEQ person later fills in a couple of these: total trihalomethanes, TTHM and halo-acetic acids, HAA5, which both fall under the category of disinfectant by-products DBPs]

George Christian [correct spelling?] of the MDEQ (Flint action plan coordinator): Flint had used the Flint River as a source before 1967, in 1967 switched to use of Detroit Water and Sewer Department DWSD for its water supply. Jan 2006 discussions began with Karegnondi Water Authority KWA. April 17, 2014 [event? Possibly the end of DWSD supply?]. May 2014 city began using Flint River water. Aug-Sept Boil water notices issued in part of the city of Flint, for E. coli and total coliform violations. [NOTE: spoke too quickly for me to accurately catch all of the dates/events he mentioned. People really should provide their info in writing rather than rely upon verbal briefs under distracting SEOC conditions!] Had the Flint River as a back-up supply all along, which is why the facility there was still maintained [paraphrase; didn't catch exact wording]. Late 2014-early 2015 DBPs: HAA5 and TTHM, with carbon as a treatment to remove these compounds. Sequence of tests: first at 6ppb 90th percentile level [he didn't explain this well at all, but normally this would mean that the 90th percentile value is at or above the bottom 90% out of all ranked values in a list]. 2nd round of tests: up to 11ppb, compared to EPA's action level of 15ppb. Corrosion control treatment [a means of reducing lead concentrations in the water]. There were also issues reported involving the color, odor, and taste of Flint water. Virginia Tech Pb testing Sept 5 [?], 2015, with Pb advisory issued by Flint. Fall 2015 schools testing and actions required. Some fixtures and fountains above 100ppb. 4 samples per sampling point, after different flush times, 10 consecutive 1liter samples, 200-300 samples total per facility [math not exact, must be estimates], Info placed into spreadsheets and reports. Oct. 15 Flint switched back to DWSD water. Dec. 9, 2015 supplemental phosphate [PO$_4$] addition began. Use of erosion controls do slow but do not stop the leaching process (of lead into the water). Any resident of Flint can obtain a bottle and take water samples in for testing; results posted online. Water filters are available for free. Overall slight downward Pb trend, but some values are well over 100ppb. One child care facility measured at 2500ppb. No historical test results there [in schools?] to compare with, but some historical data exists elsewhere to compare. [No mention of the comparisons themselves] Not a problem only of Flint's, increasing recognition of problem more broadly. "Low-lead brass fixtures" could still have as much as 8% lead. [not sure whether he said this or Dr. Wells]

Dr. Wells: Excavation and manipulation of lead lines tends to exacerbate particulate levels.\

Capt. K: Everyone review the MEMP to look for relevant information. All info to go out through PIOs (except for internal coordination and calculations).

Richard [Thelen?] of DHHS: allocation to buy water and filters, 2 pick-up locations in Genesee – free filters [locations not specified, are they at DHHS offices?]. Water purchases from South Carolina.

Brad [Deacon?] of MDARD: Food services, processing, and restaurants are also of interest. Lead affects animals as it does humans, so companion animals may be affected.

??? of the Dept of Education? "DEA" or "DoA"? [people were not introduced properly] said something about school meals.

ARC not yet involved at this point.

LARA helped DEQ with testing. Flint & Genesee oversee their won plumbing but lack inspectors – need assist from state (Capt: or through EMAC use)

Terrace Room to be used as initial JIC, with PIOs there.

Governor's Representative [name?]: pending lawsuit against governor, potential lawsuit under Safe Drinking Water Act. Everyone do your jobs, but take care, remembering litigation potential.

MDOT [Eileen Phifer?]: Many pipes are under roads and so coordination would be good; shared objectives probably exist w MDOT, EPA, etc.

Lt. BJ Roach, MSP: Genesee Co. Public Health Dept, GCARP [??] (public assistance forum) are involved: water distribution, filter distribution, education, Pb testing clinics (coordinated with DHHS), United Way, Flint Health Dept. Over 23K filters and replacement cartridges provided so far. County GIS getting under way – coord w MSP GIS?

Capt K: submit action items to Tom Weber for IAP. Everyone stay until noon and review MEMP, then to decide whether needed after lunch today.

Tony: Required agencies already known to be needed to stay: MDEQ, DHHS, Education, Talent & Economic Growth, MDTMB, MDARD.

RETAIN THIS IMAGE
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To all physics
Zack Baker
Henrik Hakendorf

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3

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 06, 2016 2:18 PM
To: MSP-seocda2
Cc: plangc
Subject: RE: SitRep1 Executive Summary

Thanks, Henrik
I do actually have some recommendations...

The first involves the nature of the wording of the overall incident.

1. Instead of "introduction of lead into the public water supply, which has caused elevated blood lead levels" I would suggest wording which does not suggest a clear causal effect: "presence of lead in the public water supply, and the detection of elevated blood lead levels"

Studying the rest for factual accuracy, according to my knowledge so far, leads to the following notes:

2. I have an official Flint water report stating May 2014 as the start of Flint River water, not April, so I think that may need to be changed.
3. In the next sentence, I doubt whether the water should be called "untreated" – one of their solutions for over-chlorination (ferric chloride to offset total trihalomethane levels) seems to have been a partial cause of accelerated corrosion. "Treatment" has multiple meanings. Here, it should mean water corrosion-control chemicals.
4. "Elevated blood lead levels in young children" might be interpreted as "all young children in Flint" unless it is worded more carefully.
5. My notes from MDEQ this morning had Oct. 15 as the date of returning to Detroit water... I can double-check that with other sources.
6. The abbreviation for Detroit water should be DWSD, but the third paragraph says "DSWS" and "DWSW" and these should be corrected.

Hope you find this initial input to be of use.
I'll be doing some more study to further assess this information. I have some really useful official documents from Flint with good info to be sorted through and compared...
Thanks!

From: MSP-seocda2
Sent: Wednesday, January 06, 2016 1:57 PM
To: Sobocinski, Mike (MSP)
Subject: SitRep1 Executive Summary

Mike,

Here the first draft for the Executive Summary for the first SitRep.

Thanks,
Henrik

Executive Summary

On January 6, 2016, Governor Snyder declared a State of Emergency for the City of Flint and Genesee County. Genesee County requested the Governor's declaration on January 5, 2016, following the declaration of a State of Emergency in the

started in 2014

county in response to the introduction of lead into the public water supply, which has caused elevated blood lead levels exceeding governmental standards. These conditions exist in the City of Flint, which declared a local State of Emergency and activated local response plans and their Emergency Operations Center on December 15, 2015. A public health emergency was declared by the Genesee County Health Department on October 1, 2015.

In April 2014, the City of Flint switched from the Detroit Water and Sewer Department (DWSD) to the Flint River as their primary water source. The untreated corrosive river water caused the leaching of lead from lead pipes into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Elevated blood lead levels in young children were observed in the City of Flint, and confirmed by the State Chief Medical Officer.

To mitigate the negative effects of corrosive river water on the water infrastructure in the City of Flint, the city switched back to DSWS as their primary water source on October 16, 2015. Funding to reconnect to DWSW was provided from the City of Flint, the Charles Stewart Mott Foundation, and the State of Michigan. Water is treated with a supplemental phosphate addition to rebuild the protective layer in the distribution system and reduce the leaching of lead into the water supply.

For the mitigation of negative health effects, over 24,000 water filters and replacement cartridges have been distributed to residents in the City of Flint. Approximately 13,000 water filters, water pitchers and replacement cartridges were distributed by the Michigan Department of Health and Human Services (MDHHS) in the timeframe of October 1 to December 31, 2015 alone. MDHHS has increased surveillance of blood lead levels in children, addresses water issues in environmental investigations facilitated to identify lead sources in the environment of affected children, and provide health education and information to residents, health care providers and daycare/educational institutions. Local nonprofit organizations have provided potable water to Flint residents.

Before December 16, 2015, $9.35 million were provided by the State of Michigan, and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While drops in lead levels have been observed since reconnecting to the DWSW system, water in the City of Flint is still not safe to drink.

too much?

OK if filtered + tested as low lead?

4

Sobocinski, Mike (MSP)

From: Katarsky, Anthony (MSP)
Sent: Tuesday, January 05, 2016 4:46 PM
To: MSP-EMHSD-Division
Subject: URGENT - SEOC Activation

On January 4, 2016, Genesee County requested that a "State of Emergency/Disaster" be issued by Governor Snyder. Today, the Governor issued a State of Emergency declaration. EMHSD will **activate the SEOC tomorrow at 0800** and will conduct a briefing at 0900 on the event. All state agencies will be represented. I ask that only those personnel requested to play SEOC roles and section managers attend the 0900 briefing due to space constraints. The initial focus of the SEOC will be to:

- Identify and implement any needed protective actions to protect public health and safety;
- Develop situational awareness;
- Develop understanding of technical aspects;
- Coordinate damage assessment;
- Coordinate public information; and
- Identify programs to assist in remediating damage.

If you have any questions, please let me know.

Anthony P. Katarsky
Assistant Division Commander
Michigan State Police
Emergency Management and Homeland Security Division
517-336-2686

Briefing notes Jan. 7 9:30a
Tom Weber: sit rep 1 published, ICS202 to be published shortly [internal use only], disaster recovery unit be established within ops
ARC (phone); DHHS: Richard Thelen - outreach + educ to local health care providers. JIC up. Web mid-season. filters + replacement cartridges GCCARD 2 local distrib. contracts; 2 local locations, MDHHS officers, Genesee Co. community action resource dept
MSP GIS: coordinating w. city + county - Mapping filter locations. Pipelines. service entry points at homes, lead service lines to homes. latency time in pipes x lead conc. in water. MSU x data on SES. 4K records - will digitize, push contracted by city to perform.
Capt: Gen Co. Sheriff Dept ~ 50 persons, 4 trucks to distrib. ~ 5K filters "screen or type" to high-risk areas of city
Weber: Gen Co GIS coord w. United Way, Food Bank.
DARD, Brad Deacon: local health dept insp restaurants, DARD local pop + ice machines
Dept Educ, Louis Burgess: drafting message to Gen ISD re: all involved schools. Food centers in many places, inquire w. all who run food program re: water source/use. Incl. pub, private, charters, academies, Educ PIO needed on JIC will be added text to be reviewed by state before distrib. all w. food programs.
MDept Corrections: nothing new, precautions taken since last year? Have messages been sent to state employees who work in Flint (occasional visits) owned/operated cooler/jugged water served since last year. Yes, notify for all state employees; bottled water available (Lisa) MDTMB Jeannette N.
MDEQ George Christian?
Insurance + Financial Svcs: not sure.

tghgt Adult Svcs Steve Setterley? outreach to Tri-Valley? agency on aging to find/seek list of seniors

MSP Ops: Establishing State recovery task force (Joel Pepper, lead) and Recovery branch (Barbara Briggs), w/ MIVOAD, PHHS

MSP logistics - track quantity of water needed, trucks, etc. 2 logistics staff from MSP deployed to local EOC.

Ron PIO: JIC fully operational as of yesterday PM. JIC News Release #1

1-800 line EMD today #

website MI.gov/Flintwater "top level" site.

9am Snyder mtg w. Flint mayor, their media release.

1pm Media roundtable Governor then tour of SEOC, after that.

Capt. SEOC presence this afternoon 1PM onward re: media tour.

Tomorrow: legislative & Congressional calls.

TED? Jeremy Hedger coord w. MSHDA

MEDC? planning services? Tom: Thirtee to be included in State Recovery task force.

Capt. FEMA: 2 liaison officers arriving ~ 3PM (not FCOs, just to assist Capt)

MICIMS activity logs needed from PIO and GIS§. Daily briefing to occur at 9:30 until otherwise advised.

Mike Sobocinski's notes on January 7, 2015 SEOC briefing (9:30am):

Tom Weber: situation report #1 was published. ICS202 to be completed shortly (Capt: that document will be for internal use only). Disaster Recovery Unit is being established within Operations Section.

American Red Cross (phone): coordination of some kind [unclear]

DHHS (Richard Thelen): outreach and education to local health care providers. JIC is operational. Web MD Medscape – available [?extra details unclear]. Distribution of filters and replacement cartridges continues. Two local MDHHS offices and two Genesee County Community Action Resource Department (GCCARD) offices are involved in this. [I looked GCCARD up online to find and verify its correct name; Some other local government office was also named, but I didn't catch it]

MSP GIS section: Coordinating with city and county. Online dissemination of mapped info looks likely soon through a viewer that allows users to browse the information themselves. Currently mapping filter locations. MSU extension socioeconomic data is available for city residents, to represent spatially. Pipelines and service entry points (at homes) are mappable. Lead(ing) service lines to homes are mappable. 44,000 records to be worked on through coordination with University of Michigan Flint campus, to make the information digital (probably contracted by the city to do so). Latency time in pipes correlates with lead concentration in homes, so an analysis could be performed with information on pipe and service line locations/lengths...

Capt. Kelenske: Genesee County Sheriff Department using about 50 persons with trucks to distribute about 5,000 filters (of the "screw-on type") to the high-risk areas of the city.

Tom Weber: Genesee County GIS is coordinating with the area's United Way (and?) Food Bank.

MDARD (Brad Deacon): the local health departments inspect restaurants, while the DARD oversees local pop and ice machines.

MI Dept. of Education (Louis Burgess): Crafting a message to the Genesee Intermediate School District regarding all involved schools, including public, private, charters, academies, which have food centers or food programs. To inquire with all who run these regarding their water sources and use. The text of this message is to be reviewed by the state before its local distribution. The Department of Education PIO is needed in the JIC, and will be called.

MI Dept. of Corrections [person not known]: nothing new; precautions taken since last year, with coolers and jugged water being served. Have messages been sent to state employees who work in Flint, especially a general notification to all state employees so that even those who temporarily go to Flint can be informed regarding water?

MDTMB (Jeannette Doll): notes that bottled water is available at the state offices.

Aging and Adult Services Agency (AASA) (Steve Betterly): Outreach to the (Genesee) Valley Area Office on Aging to find/seek a list of seniors.

MSP Operations section: Establishing a State Recovery Task Force, to be headed by Joel Pepper. Establishing a Recovery Branch, to be headed by Brianna Briggs and to involve MIVOAD, DHHS coordination. Use of available subject matter experts, to include Dr. Eden Wells of DHHS and Dr. Mona Hanna-Attisha.

MSP Logistics section: Tracking quantity of water needed, trucks, etc. Two logistics staff from MSP being deployed to the local EOC.

PIO Ron Leix: JIC fully operational as of yesterday afternoon. JIC News Release #1 completed. An 800 number is to be used, and a top-level web site can be found at www.michigan.gov/flintwater. A 9am meeting is occurring between Governor Snyder and the Flint Mayor [Karen Weaver], with a media session to follow. At 1pm, a media roundtable presentation will occur in the Presentation Room at Collins Road, followed by a tour of the SEOC. Tomorrow, legislative and congressional calls.

Capt K: State agency SEOC physical presence this afternoon from 1pm onward.

[Unknown agency] Jeremy Hedges: coordination with MSHDA, potential to provide planning services? (Tom Weber: MSHDA to be included in the State Recovery Task Force.)

Capt K: FEMA has 2 liaison officers arriving about 3pm. These are not Federal Coordinating Officers (FCOs) but are merely to assist the Captain. MI CIMS activity log entries are needed from the PIO and the GIS section. The daily briefings are to occur at 9:30am until otherwise announced.

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/06/2016 08:00:00
Operational Period End:	01/08/2016 17:00:00
Situation Report No.	1
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/06/2016 08:00:00 Wed
SEOC Hours of Operation End:	01/06/2016 17:00:00

Executive Summary

On January 6, 2016, Governor Snyder declared a State of Emergency for the City of Flint and Genesee County. Genesee County requested the Governor's declaration on January 5, 2016, following the declaration of a Local State of Emergency in the county in response to the presence of lead in the public water supply, and the detection of elevated blood lead levels exceeding governmental standards. These conditions exist in the City of Flint, which declared a Local State of Emergency and activated local response plans and their Emergency Operations Center on December 15, 2015. A "public health emergency" was declared by the Genesee County Health Department on October 1, 2015.

By early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to the Flint River as their primary water source. The corrosive river water caused the leaching of lead from lead pipes into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Elevated blood lead levels that exceeded past seasonal levels were observed in City of Flint children, and were subsequently confirmed by Michigan Department of Health and Human Services (MDHHS) epidemiologists.

To mitigate the effects of corrosive river water on the water infrastructure in the City of Flint, the city switched back to DSWD as their primary water source on October 16, 2015. Funding to reconnect to DWSD was provided from the City of Flint, the Charles Stewart Mott Foundation, and the State of Michigan. Water is treated with a supplemental phosphate addition to rebuild the protective layer in the distribution system and reduce the leaching of lead into the water supply.

For the mitigation of negative health effects, over 24,000 water filters and replacement cartridges have been distributed to residents in the City of Flint. Approximately 13,000 water filters, water pitchers and replacement cartridges were distributed by the MDHHS in the timeframe of October 1 to December 31, 2015 alone. MDHHS has increased surveillance of blood lead levels in children, is addressing water issues in the environmental investigations facilitated to identify lead sources in the environment of affected children, and providing health education and information to residents, health care providers and daycare/educational institutions. Local nonprofit organizations have provided potable water to Flint residents. MSP/EMHSD GIS staff is supporting county and local GIS staff, consolidating data from local sources into comprehensive databases, and providing mapping services that support incident analysis and forecasting. Data and maps will be made available regarding the location of water pipes, affected schools, filter distribution locations, water monitoring results, predictive blood lead levels for affected areas, demographics, etc.

Before December 16, 2015, $9.35 million were provided by the State of Michigan, and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While the source water has been switched back to DWSD, water in the City of Flint is still not safe to drink, unless specifically filtered.

Incident Response/Recovery Priorities/Objectives

1. Activate the State Recovery Task Force
2. Ensure coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate subject matter experts.
3. Obtain and maintain situational awareness and common operating picture of all activities.
4. Establish operational period and hours of operations.
5. Investigate and identify available programs for assistance with direct or related impacts.
6. Develop a comprehensive GIS strategy.
7. Identify critical resources for acquisition and allocation.
8. Coordinate response and recovery activities and identify mission areas with MIVOAD.
9. Facilitate and coordinate technical assistance among state agencies and to local agencies.
10. Provide technical assistance and facilitate the local Damage Assessment process.
11. Establish a Joint Information Center and develop a public information strategy.
12. Monitor MI CIMS for resource requests and address as appropriate.
13. Establish and disseminate cost center information for the incident.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

No information available.

Upcoming Forecast

Thursday:
Partly sunny, with a high near 36. South southeast wind around 6 mph.
Thursday Night:
Mostly cloudy, with a low around 31. South southeast wind around 7 mph.
Friday:
Showers likely, mainly after 1pm. Cloudy, with a high near 40. Southeast wind around 9 mph. Chance of precipitation is 60%. New precipitation amounts between a tenth and quarter of an inch possible.
Friday Night:
Showers likely. Cloudy, with a low around 36. Chance of precipitation is 60%.

Other

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Water system (see Executive Summary).

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Agriculture and Rural Development (MDARD)

Two areas MDARD is monitoring:
1). Water usage in food processing, food retail, and food service (restaurants). Guidance document has been available since October; MDARD surveyed food processors in October and did not find issues.
2). Water consumption by pets / animals. There has been some evidence of lead toxicity in dogs, and there has been guidance about pets & water included in the Q & A.
MDARD will be reviewing activities in both areas and determine appropriate next steps.
4:15pm update Jan 6th
*Call with Animal Industry Division: they are doing outreach to MI Veterinary Medical Assn; MSU College of Veterinary Medicine, and the MSU Diagnostic Center. They will also talk to Genesee County Animal Control about other animal facilities that may need follow up.
*Call with Food & Dairy Division: we will get addresses of food processing, retail and food service to help create a GIS layer; they will talk with Genesee Co. Health Dept. about restaurants using the existing guidance on water. MDARD did provide the guidance on water to all licensed retail food facilities, including convenience stores.
Food & Drug Administration contacted their regulated facilities in October and found no further action is necessary; USDA-Food Safety Inspection Service is looking into what if any guidance or actions they need to do for meat processors.

American Red Cross (ARC)

The MSP/EMHSD planners asked the American Red Cross to brainstorm and come up with possible ways in which MI-VOAD, the Red Cross and other NGOs might be able to assist in the response and recovery phases of the Flint Water Contamination. We are working on this and calling upon Red Cross colleagues to contribute to it. We've briefed Red Cross Regional and Divisional management on this incident. The Red Cross will provide situational awareness regarding the services related to the water contamination that individual NGOs are providing to Flint residents.

Civil Rights (MDCR)

Monitor and support agencies with issues surrounding outreach and engagement of marginalized populations within the City of Flint impacted by the current water crisis.

Corrections (MDOC)

Brent Travelbee and Mike Farmer attended the briefing and notified all department personnel working in the affected area. Director Washington will be briefed and any additional actions necessary will be completed.

Environmental Quality (MDEQ)

The Michigan Department of Environmental Quality (DEQ) is staffing the SEOC in response to the Flint Water Crisis. Situational awareness has commenced with all state agencies and briefings will continue to be provided. The Flint Action Plan Coordinator continues to report to the Governor's office on department activities associated with this incident. The DEQ Public Information Officer is fully engaged in the Joint Information Center.

Michigan Housing Development Authority (MSHDA)

The grants staff team is already drafting the necessary background materials for a potential grant application request. We would just need to know the recipient of the grant and purpose (allowable uses).
We are exploring CDBG grant funds or other assistance from HUD.

Human Services (MDHS)

Summary for both Health & Human Services
Participated in morning briefing.
Provided update to Executives.
Provided master address list of filter distribution to GIS
Participated in CHECC conference call
CHECC remains at Level 1 Activation - Normal Operations

Licensing and Regulatory Affairs (LARA)

LARA upgraded to a mandatory department for this incident

Attached is a Point of Contact (POC) List

Attached is a Work Report indicating what work LARA has done today in City of Flint

Michigan Economic Development Corporation (MEDC)

MSF/MEDC had offered low interest loans as part of the deep freeze crisis. While this would require legislative action to authorize, it is something that could be considered in this scenario. It would require re-purposing any remaining funds.

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

Provided update to management on morning briefing and status of items DTMB is addressing.
Reached out to DTMB Commodities Procurement personnel about available and potential contracts to assist in recovery efforts.

Incident Related Images

Jan. 8, 2016 SEOC briefing 9:30am

Tom Weber starts

MSP Ops: conf call w local jurisdictions. water tests needed. only about 600 done out of 45K homes.

Jackie Hampton Drop off test kit - morning test after water has sat for ≥ 6 hrs.

~~Genesee Co~~ ARC: contacted by County (+ sheriff?) ARC to assist with distribution of resources/needs.

State Office on Aging: requested addresses of Flint Seniors who're receiving services; area service on aging working on Gen. C Health Dept.; local partner, Flint Township on ? switch? system

Tom: GIS to sort through which jurisdictions involved. At least 3 other jurisdictions?

MI Dept Agr. MFFRD: New regulatory requirement could cover water handling info for relevant agencies + establish.

MI Dept Education: Louie Burgess - everyone with approved child nutrition program is being ~~contacted~~ contacted - where water from, how handled, do they have relevant info.

MDEQ: Jen Wolf - more water sampling to occur through collaboration w other agencies. Lots; must be dropped off

Lab Capacity 400 samples/day, 7 days/wk

67% samples so far

HHS Richard Theden: Many resource requests for filters, working on order + delivery.

To assist with food + nutrition. (Improve healthfulness of available foods, short-term

DTMB Jeannette Dole: colocated JIC location found in a Flint state office building.

Toll-free phone line to begin at noon today - there Thursday.

NWS (didn't catch name): Snow 2-4", 15-30mph winds expected over weekend. Cold air mass next 10s or below

Talent + EC Devel/MSHDA: Liz Felz? little new

PIO Ron Leix: preparing transition to Flint JIC. 3pm today meeting w. key PIOs (1st face to face rather than conf call)

4 areas for Pub Info 1. Filters 2. water testing who how when 3. Blood level testing 4. Bottled water - where to obtain

web site, but need to go beyond that to access those not online (seniors, etc)

Media coverage: some good, some bad. Rachel Maddow show.

MSP Logistics: verifying equipment + staff for

2 in local EOC - planning + logistics personnel

Tom: IAP objectives suggestions can be sent to Planc by 1PM

get agency sitreps in by 3:30pm in MICIMS to plg.

Jackie: SEOC will be open tomorrow. 8-5

Capt K: Document re: water distribution. Saturday MUST Update MICIMS with actions being done by staff!! Sunday SEOC TBD time

Mike Sobocinski's notes on January 8, 2015 SEOC briefing (9:30am):

Tom Weber leads meeting, Captain joining later by phone and in person at the end.

MSP Operations (Jaqueline Hampton): Had conference call with local jurisdictions. Water tests are needed. Only about 600 homes have been tested, out of about 45,000. There's a drop-off test kit – samples to be taken in the morning, after the water has sat for at least 6 hours during the night.

American Red Cross: Contacted by county [and?] sheriff, to assist with the distribution of resources/needs.

State Office on Aging: Requested addresses of Flint seniors who are receiving services—the area office on aging is working on that. The Genesee County health department is a local partner. Flint Township is on the water system? (Tom Weber: GIS will sort through which jurisdictions are involved – probably at least 3 other jurisdictions.)

MDARD: A new regulatory requirement is being worked on which would involve water handling information for relevant agencies and establishments.

MI Dept of Education (Louie Burgess): Everyone with an approved child nutrition program is being contacted to learn where water is obtained from, how it's handled, and whether they've received the relevant information about it.

MDEQ (Jennifer Wolf): More water sampling will occur through collaboration with other agencies. Kits must be dropped off at homes, due to 6 hour requirement [see MSP Operations reference at top]. MDEQ lab capacity involves the handling of up to 400 samples per day, 7 days per week. Only about 670 samples processed so far.

MDHHS (Richard Thelen): Have received many resource requests for filters. Working on orders and delivery arrangements. Also, to assist with food and nutrition, improving the healthfulness of foods that are available in the short-term.

MDTMB (Jeannette Doll): A co-located JIC location has been found within a Flint state office building. A toll-free phone line is to begin operation at noon today, both at the new JIC and in Lansing.

NWS [didn't catch his name]: Anticipating some snowfall, perhaps from 2 to 4 inches, with winds from 15 to 30 miles per hour expected over this weekend. Much of next week, we'll have cold air, with daily high temperatures in the 20s or below.

PIO (Ron Leix): Preparing for the transition to the Flint JIC. At 3pm today there will be a meeting of the key PIOs—the first face-to-face meeting rather than through a conference call. There are 4 major topics for public information: (1) Water filters, (2) Water testing, (3) Blood lead level testing, (4) Bottled water. Explanations of who, how, when, why, where are being provided. The web site is good, but we need to go beyond that to access those who are not online (e.g. seniors). Media coverage: some has been good, some bad. The Rachel Maddox show focused on various issues.

staff who might stay in Flint. Some have made own arrangements, but she can help re: overnight lodging,

PIO (Nicole ?): Flyer sent to MDTMB. Spanish version [illegible] completion. [illegible]

(Public Info Officer) 230 County Office Bldg media briefing in Flint. News release going out today. Gov, Cap't Miller, director Video PSA arranged for comcast (30 secs) similar to radio PSAs (no HHS work) broadcast soon. speaking, + more

MSP Logistics (Michele Kuzera): Verifying equipment and staff for on-site Flint activity. Two MSP staff are in the local EOC, representing planning and logistics.

Plg Sec: 330 sit reps + summaries submission deadline; 4pm afternoon agency briefing.

Tom Weber: Incident Action Plan objectives can have suggestions submitted to the Planning Group Chief by 1pm. Agency situation reports should be submitted by 3:30pm in MI CIMS and/or to the Planning Section.

Emg K: Replacement staffing underway. Okay to not overwork (time off as needed) although official leave time limited

MSP Ops (Jackie Hampton): The SEOC will be open tomorrow (Saturday) from 8a to 5p.

Capt. Kelenske: He'll be obtaining an important requested document on the subject of water distribution. Staff must update MI CIMS with an ongoing log of their activities. Sunday operation of the SEOC will be determined in the future.

Jan. 11, 2016

Tom Weber reads list of objectives. (IAP) State agency briefing every afternoon now. (SEOC to be open Sat + Sun)

Jackie Hampton: Stay focused on 204's and critical tasks. SEC speaks stand while presenting info.

NWS (Jim ?): Next 48 hrs: 12-15 partly sunny light snow but 8PM onward - snow coming in with winds 2-3" in Flint area 5PM → tomorrow 8PM. T in the teens, blowing snow — need to keep roads clear. Hazardous travel. Cold. Windch <0°F. Frostbite within 1/2 hr exposed skin.

then, Wed pm - FRI occasional light snow, continued cold.

DHHS (Jennifer ?): CHECC partial activation. SMEs to be brought in as needed.

MDARD (Justin Henderson): refers to yesterday's update (no change) - [as if everyone was here yesterday]

MDEQ (Jen Wolf): coord w. lab on test bottles, kits, instruction sheets. TMB, MDARD city // HHS; Seek appropriate dispersion of bottles, to match needs,

MHHS (Richard Thelen): Things proceeding. Setting up for [illegible] tracking at (?) room [site?]. Setting Some Dotting ETAs on all orders, numbers on filters. Have info to GIS for processing;

(missed one yesterday, before Civil Rights)

Civil Rights - withdrawn new

RC: staffed distrib sites at 5 fire stations, 9 churches, helped organize more. (water filters) need larger sites

Nutrition (Steve): pulling senior address list together (those at higher risk). Explore role for nutrition network, [illegible] Ed feeds children. Need: better "food desert" concern

ISP (Matt Bolger): tomorrow walking tour, tablets useful rather than paper form. training re: nutritional needs (Jackie + DHHS also on it)

TMB (Jeannette Bell): cards printed for Gov conference (11? am), Trucks going to Flint, all week transport was arranged. Parking improvements being organized

every branch (Brianna Briggs) - working thru MSP Amy Dehner, going to Flint to provide info, attend trainings, Contact lists being made for teams in Flint. Will coord w. JIC + PIO.

TED (Hoey? Martin family): missed brief statement Local EOC, Mark Forhan ??) didn't catch brief info, speak MSP Logistics (? didn't stand), 4 new churches assisting/label new requests

one other agencies MDOT, etc not updated now.

Mike Sobocinski's notes on January 11, 2015 SEOC briefing (9:30am):

MSP Planning Section Chief Tom Weber leads the meeting, reads list of objectives from IAP. A state agency briefing is occurring every afternoon now. The SEOC was open on both Saturday and Sunday this past weekend.

MSP EMHSD Jackie Hampton: Agencies need to stay focused on completing form 204 and their critical tasks. Those who are speaking in the SEOC should now stand to present their information into the microphone.

National Weather Service (Jim [redacted]): During the next 48 hours will get challenging. Fairly tame light snow right now, but from 8pm onward there will be more snow coming in with winds. About 2 to 3 inches are expected in the Flint area from 5pm today to 8pm tomorrow evening. The expected temperatures will be in the teens. Blowing snow will mean that it will be hard to keep roads clear, creating hazardous travel conditions. Temperatures will be cold and will result in wind chill factors below 0 degrees F. Frostbite would be expected on skin exposed for times less than ½ hour. From Wednesday to Friday, only occasional light snow is expected, but the cold temperatures will continue.

MDHHS (Jennifer [redacted]): The CHECC has been opened, with a partial activation. Subject matter experts will be brought in as needed.

MDARD (Justin Henderson): He refers to yesterday's update [as if everyone was here yesterday], and no change to that update. [Several other agencies simply reported no significant change, or didn't mention anything that sounded specific and important enough for me to include here. Some phone-in agencies might have been too brief or garbled to be included.]

MDEQ (Jen Wolf): Coordination between their lab and various other agencies (city of Flint, DTMB, MDARD, DHHS, etc.) on test bottles, kits, and instruction sheets. Seeking appropriate dispersion of bottles within Flint, to match actual local needs (rather than too many at locations whose needs are not as great as others').

MDHHS (Richard Thelen): Things are proceeding on track. Setting up for 1pm training at [site?]. Getting arrival time estimates on all orders, establishing filter quantities, gave some info to GIS for processing.

American Red Cross: Has staffed distribution sites at 5 fire stations, 9 churches, and helped to organize more (for water and filter distribution). Some larger sites are needed.

Adult Services (Steve [redacted]): Pulling together the list of addresses for Flint seniors who are at higher risk. Exploring the role that could be played by their nutrition network, in response to a "food desert" concern that was raised. The Department of Education feeds children. Better framing is needed for nutritional needs issues. (Jackie: DHHS is working on it.) [My comment: In my experience, the 'food desert' concept was completely overblown, applying an exaggerated name and limited definitions that failed to recognize the true variety and accessibility of foods through various transportation options and exaggerating the low quality of food that is readily available locally, fixating upon particular ideas of raw fruits and vegetables while downplaying the substitutability of frozen vegetables, packaged mixes, etc.

But this is actually the topic that Kari Day had researched for her master's degree, and so we should make use of her expertise on this, if she's interested. I mentioned this to her as she was leaving for Flint and she did say that she's interested in coordinating and providing her expertise on the topic. My own views are merely rooted in theoretical and methodological skepticism, and my own experiences, but she is the one who's done actual research on the subject in Detroit and although she might agree with some of my critiques, I might be off-base in others and certainly don't have her experience in researching the topic. There are legends circulating widely on this topic, typically involving a mythical Detroit grocer selling bad apples for $7 each, and I've pointed out at meetings that such a concept doesn't make any economic sense for a store owner, and that it makes no sense to dismiss the availability of cheap but nutritious frozen vegetables and decently fresh ingredients which are available at places like Subway – but the sole emphasis upon gardens and raw produce grocers, and the offhand dismissal of everything that certain researchers have labeled as "fast food" has horribly overstated the "problem" in most areas. At some point, these debates could be resolvable through actual data. Much of my own criticism stems from personal experience at finding nutritious foods while living in poverty for a couple of years without a car in the middle of Lansing. Although Lansing is obviously not a worst-case scenario, certain principles still apply elsewhere. If transportation available through bus routes, those who can use the bus usually have access to major grocery stores. For those who don't want to take a bus, various substitutes can be found which aren't considered in the dubious research designs I've seen on the subject. For those who are simply stuck at home, it might not matter if they have a garden and store one block away, since immobility is immobility.]

MSP (Matt Bolger): Tomorrow, there will be a walking tour in Flint. Electronic tablets would be useful for data entry, rather than the traditional paper forms.

MDTMB (Jeannette Doll): Cards have been printed for the Governor's conference this morning. Trucks are going to Flint, with transport arranged for all this week. Parking improvements are being organized.

Recovery Branch (Brianna Briggs): Working through MSP (Amy Dehner?) and going to Flint to provide information, attend training session. Contact lists are being made for teams in Flint. Will coordinate with the JIC and PIO.

SEOC Logistics (? [person didn't stand]): Four new churches will serve as distribution points. People should specifically label new requests as such when entering/sending the info in. Do not use the Resource Tracking Board (in MI CIMS) to send notes to oneself.

SEOC Finance (Penny Burger): A hotel is set up for direct billing in the Flint area – unsure how many are traveling there. Would like lists of staff who might stay in Flint, to ensure that a room is available there. Some have made their own arrangements, which could be okay, but Finance can help with overnight lodging.

PIO (Nicole ?): Flyer was sent to MDTMB. A Spanish version is being completed. 2:30pm County Office Building media briefing will take place in Flint. News release for that is going out today. Governor Snyder, Capt. Kelenske, and the MDEQ director are speaking, plus others. Video public service

announcement being arranged for Comcast Cable (30 seconds long), similar to radio PSAs—MDHHS worked on these, being broadcast soon.

SEOC Planning: 3:30 agency situation reports and summaries submission deadline. 4pm afternoon agency briefing will occur.

Tony Katarsky: Replacement staffing is underway. It's okay to not overwork, to take time off as needed, although the official leave time may feel limited at this time.

Capt: all state agency resources brought to bear. Any resistance can be overcome thru SEOC authority
Any state employee can go door to door. But logistics do need to be sorted through.
ASL Team (Brianne Briggs) presented info there + answered Qs. 2 hits given out in some cases (e.g. when concerns w/ filtered water)
Local volunteers are many. If state agencies need to contribute staff, they'll be notified.

PIO (Nicole): stressing the use of filters (announce @ 6pm last night) as the most efficient, EFFective way to secure water. backed by Eden Wells,
Warehousing + inventory mgt system being keyed for inventory system.
Parking issue re: media, but teams getting out in field (not to be distracted by media). Teams are not to engage w/ media - just to do their All media to be referred to PIOs and JIC
Gov office sending daily emails to Flint.
use filters, teams going door to door.
2-1-1 available | PSA video made, website avail, wkg with Comcast to show PSA + filter instructions on on access channel
Billboards going up in Flint re: 211 + web. Mail cards going out. Wkg on Arabic translation for cards.
Getting info on churches to participate - by the weekend?
Inquiries on Pb issues in other areas of the state. City + Co PIOs in JIC. important to have
Qs need on how corporations can donate.
2-1-1 rumors: if Pb in bottled water "quelched"
Some calls to FEMA Natl HQ. Deb NAACP.

Capt: 211 very important. Verify staffing + system there.

ASL (Deaf Pkg (Amanda Bresler)): Updating 204 form. To improve local tracking sheet for resources at fire stations,

Local EOC: Volunteers needed at both warehouses. Don't refer to warehouse as "diplomat".
(Mark Duchaven ?)
Capt: give it a generic name, not even DHHS warehouse.
Focus on what we can do. (And remember to take a breath + step back.)
The smallest slip will be portrayed as a significant event.

Next update 4pm at the latest; may occur sooner.

Jan 12, 2016

2nd tactical meeting

6pm Sit reports due SEOC going until 8

~~Executive~~ IAP goals need

Nat'l WS: Jim Askill? Contacted Genesee Co. EOC added her to list of contacts. "Sloppy" outside today, off + on lake eff snow, Spots Might see snow all day Snow, low temp, wind. Treacherous travel. 15-30 min at frostbite, ~2" accum

On/off snow tomorrow day + night, 1" or less. After next few days might warm up a bit after

Shortages to be addressed - filters + ~~test~~ kits today if ops

Warehouse being opened today. Need equipment at DHHS site (loader, etc) stock on/off wheels. 9600 cases of water/day. Need separate pallets

? Geared to eventually be used for staging only; when more space found. short + long term storage

HHS (Jennifer) Rebel 2 activation. Processing request for warehouse facility. Must sort through

Distributing guidelines message info. Volunteer information + organization - availability of vets)

Dept of Ag + Food (MSHN) (updated guidance dec re: food svc estab being approved thru JIC

Animal shelters, etc. being worked on. Info going out to vets in Flint.

Coord w. Genesee Co health dept, Gen Co animal control (reading off their list of actions)

LARA Work w. DTMB? plumbing chief? en route. Home based day care ctrs list avail.

DEQ Jen Wolff, NSF links online for approved filters. 10K water test bottles on order.

Coord w. ARC, More supplies ordered - another 10K, want at least 2K on hand always, at warehouse

Capt: Make sure Fire Stations have what they need. That's the part that is farther from direct control.

Hum Svcs: Logistics of coord (ARC, etc), ETA truck load from Home Depot, etc better to have truck location than an ETA

(?) ~700 water servings obtained, something in delivery

ARC (Paul Gotter?) trying to decrease staffing; possible to reduce hours (stop at 7?) - hard for volunteers (currently 9 to 9 + staying so) in ctr

some Warehouse teams established. Tomorrow: Volunteer reception ~~hours~~ Center opening

DHHS (Linda) teams prepping for distrib but main focus now is to procure filters

Public Health (Mark) ~15K Spanish, 30K English palm cards, will deliver to Our Lady Guadelupe Ctr, hispanic ctr

Capt must deliver broadly to all at once to not

Area Agency on Aging (?) delivering to 1400 addressed seniors - meals, care managers, wkg w. Flint/Valley Area Agencies on Aging clients information from various senior agencies.

Distrust of filters done, seniors requesting water.

Capt: broaden messaging JIC build trust in filter

State embedment board to check on nursing homes - reduce use of bottled water there

Jackie: able to test filtered water? Build confidence

JIC (Nicole) Haven't heard this. Info on testing filtered water? → DEQ Jen: true - all samples rec'd are being tested

USP (?) Truck shipments, tracking on map, 3 more trucks requested, comparing deployment with shipping

not being turned back although lab doesn't want to ask for samples of filtered water

DMVA (Chad Kendall?) researching resources available to fill requests.

DTMB (Jeanette Bell): Reached out to Meijer's; checking Amazon

3 trucks w drivers to arrive tomorrow

January ??, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C. 20500

Through: Ms. Janet Odeshoo, Acting Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Michigan as a result of water system problems and their associated public health impacts within the City of Flint (Genesee County), since May 2014.

The current public health emergency involves serious problems with the water quality supplied through the city's system... (Describe physical human impacts – injuries/deaths)

(Describe voluntary agency assistance provided to Flint to assist with this issue: ARC and its level of operation, Salvation Army, Southern Baptists, MIVOAD, other agencies, municipal programs/shelters, etc. Include numbers and dates – cases, persons, amounts, etc.).

(Indicate the States of Emergency declared, by whom, and for which areas.)

(Describe physical damages which have occurred, utility and service disruptions, impacts upon people, effects upon critical facilities, other emergency conditions, health and safety hazards, status of repairs/improvements and their estimated completion dates, if known.)

(Provide information on PDA findings, how/where conducted, accessibility concerns.)

General background/context:
Throughout the 20th Century, several overarching trends affected cities throughout the United States, in ways which would eventually prove to be very challenging to historical central cities—especially Flint. Through the 1920s, long-established development patterns had involved the expansion of central cities through the method of "annexation," in which outlying lands officially became part of the city and thus became supplied with urban infrastructure which allowed for more intensive development. However, as various technological advances reduced the costs of the infrastructure required to support moderate levels of development in outlying areas, many of these urban fringe areas became developed without a full need for the central city's urban infrastructure. Traditional urban transportation requirements had also been transformed by the mass-production of affordable automobiles, allowing great increases in the distances over which people could commute to work each day. These general national trends tended to then be supported and institutionalized with various laws and policies, solidifying the independent strength of "suburban" developments around each historical central city. For example, Michigan's Charter Township Act of 1947 greatly enhanced the capacity of townships to resist annexation efforts, so long as they provided a suitable level of infrastructure and services on

their own. Other post-war policies included the Federal Housing Administration's support of suburban residential development, the construction of the interstate highway system which provided infrastructure to allow rapid transportation between the central and fringe sections of most major urban areas, and subsequent shifts of retail outlets (e.g. shopping malls) and employment centers (e.g. office and industrial parks) toward outlying areas where taxes were less expensive, land was more plentiful, and metro-area processes had led to suburban areas with concentrations of wealthier consumer and highly educated, specialized labor forces existed which made these suburban locations highly logical choices for new developments of these types.

Although the proliferation of suburbs had been consistent with certain kinds of democratic ideals, allowing more freedom of choice among area schools, municipalities with their own separate electoral processes and budgets and revenue systems, and various lifestyle choices associated with certain locations, there were also serious problems which these processes were creating. One was the development of segregation patterns, which had to be offset over the course of several decades with government action such as *Shelley versus Kraemer* (1948) and the Fair Housing Act of 1968. Urban planners worked with new principles and requirements involving equity, such as the spatial distribution of subsidized housing according to "fair share" principles, and also involving environmental justice, recognizing that some of the most heavily polluted and disaster-prone areas were tending to be those that were becoming disproportionately occupied by poorer residents and persons identified with ethnic minority groups. Many school districts shared some of the same boundaries which had divided central cities from suburbs, resulting in another set of institutional impacts which required corrective policies to adjust for, such as busing and later Schools of Choice programs.

Although it took only a couple of decades for the negative effects of these processes upon most central cities to become clear, it often took additional decades to start correcting some of their effects. Some of these have continued to this very day because of their complexity, and thus the political, economic, and organizational difficulties of addressing them effectively. Michigan has seen central city budgets shrink greatly along with declines in those municipalities' populations, land values, intensity of development, and tax revenues. A "vicious circle" has sometimes developed, in which declines of one type have gone uncorrected for enough time that related declines are caused or worsened, leading to the dilemma of how to stop such a negative cycle from continuing.

In the case of the City of Flint, it had grown rapidly during the early 20th Century and then saw its population peak in the 1960 census, at a population of nearly 200,000. From this peak, the population had dropped only slightly by 1970, but each decade thereafter saw the loss of more than 10% of the city's population. Today's population is estimated at only about 100,000—only about half of what it had been 50 years before. But despite the loss of important industrial plants and their associated jobs, most of this change in the central city was the result of a dispersion of population and resources across the broader metropolitan area, rather than from an overall metropolitan decline. Genesee County as a whole continued to have its population increase through 1980. As Flint itself lost about 37,000 persons between 1960 and 1980, Genesee County's population increased by about 76,000. Only then did the area as a whole start declining, sporadically and inconsistently, with the county sometimes registering slight

population growth, alternating with periods of larger decline. These simultaneous patterns are shown in the following data table:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,143	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	444,341	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.2%	52.6%	43.5%	35.4%	32.7%	28.6%	24.1%

As Flint was completing its mid-20th Century boom, its population grew substantially, except during the depression decade of the 1930s. During this time, the county as a whole was also expanding, at a somewhat faster rate than the city, so the proportion of the county's population found in the central city did decline during that period. However the city's shrinking proportion within its metropolitan area did not pose much of a problem as long as both the city and the overall area were growing. By contrast, the extent of central city population loss seen after 1970 was very serious, straining the city's budget to the point where an emergency manager was assigned by the governor (in 2011), providing greater authority to sort through the many challenges and shortfalls which had accumulated. Shrinking city revenues, budgets, and services seemed over time to lead to conditions and situations which directly affected the health of its residents—alarming rises in homicide rates, deterioration of the city's housing stock, an accumulation of brownfield sites, episodes of widespread arson, and the current public health emergency involving the city's water supply.

Central cities frequently provide important services and functions for their entire metropolitan areas, but as a result of 20th Century trends, such cities often bore increasing financial burdens while doing so, as many sources of tax revenue dropped off as residents moved to suburbs and increasingly shopped and worked in those suburbs as well. Even when businesses and people remained in the central city, tax revenues often shrank when overall property values declined within an increasingly suburban and exurban metropolitan environment. According to Flint's 2013 Master Plan (page 18), the daytime weekday population of the city increases to nearly 134,000 as a result of worker and student inflows. Thus, the city regularly supports traffic and services for more than 30,000 persons beyond those who are full-time residents of the city. During major events, this number is much higher. Flint falls into the category of city that has been called a "legacy city" (See *Rebuilding America's Legacy Cities*, edited by Alan Mallach in 2012 and published by American Assembly, Columbia University), caught in the problems of transitioning from its historic mid-20th Century manufacturing base into new roles for 21st Century health and success. It has been caught in a long-term trap of an aging infrastructure combined with dwindling municipal revenues. And although there are opportunities available by which the city might successfully make that transition, its current problems must first be overcome. (Mallach xi, 180-183) In order to offset mismatches between a central legacy city and the disproportionate wealth of the surrounding areas it serves, various planners and urban policy experts (e.g. Norman Krumholz, Myron Oldfield, John Rusk) have found that various forms of revenue sharing may be justified, greater integrating the central districts with the overall metropolitan area whose health is mutually intertwined, or finding ways to fund the health of essential central sections and infrastructure within existing political and organizational structures, networks, and capacities. Cities are legally "creatures of the state" and thus subject to the effects of state policy. Where past policies had resulted in an accumulation of fiscal

problems for central cities, new policies have the potential to help solve these same problems in the long-term. But first, the immediate threats to health for nearly 100,000 permanent city residents, plus tens of thousands of non-residents who make daily use of the city's resources, services, and amenities, must be corrected. The importance of the problems of aging city infrastructure has become clear, but the first step is to protect the health of the area's residents, as longer-term solutions continue to be developed with a keener awareness of the relationship between the health of each central city, and the quality of life for each broader metropolitan area and the state as a whole. A successful response to the current emergency will also help to inform the handling of similar challenges that might occur in other legacy cities, with this one crisis potentially providing the urgency and will to address related problems in other locations, lessening the potential for their infrastructure to produce a similar emergency-level situation.

The city's poverty rate is 2.67 times higher than the national poverty rate, and the city's median household income is less than half of that for the nation as a whole. Average unemployment rates within the city were nearly three times the national rates. A disproportionate number of the city's residents have disabilities (functional needs). Although the percentage of elderly residents is slightly below average, the opposite is true for the percentage of young children under age 5, and it is this age category that is most vulnerable to the effects of lead exposure. The percentage of children under 5 is higher in Flint than the respective percentages for Genesee County, the State of Michigan, and the United States as a whole. (Refer to the following table.)

Demographic Profile of the Affected Municipality

	Persons Below Poverty Level	Median Household Income	Children under 5 years	Percent Elderly (65+ years)	Percent with Disabilities	Percent Pre-Disaster Unemployment (5-year estimate)
National Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State Average	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint (Genesee Co.)	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Data Sources
U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

NOTE: The general direction I had started with my draft text was to historically frame this situation as the result of various trends that affected large central cities during the past 60-100 years, with the choking of central city resources eventually causing mismatches that would eventually have to be addressed. Thus, unlike so many previous administrations, Michigan recently actually undertook some significant actions to directly address some of these issues of budget, debt, bankruptcy, school district losses, etc. in historic cities like Detroit, Flint, Benton Harbor, Pontiac, etc. where huge population losses occurred primarily within the central city, while overall urban area growth continued and resulted in resource splits. Naturally, these references, deriving from a theoretical urban planning perspective, will need to be reviewed for their political feasibility.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"Equally troubling, the socio-economic profile of the affected counties and local communities found at Attachment 1 shows these areas are also some of the most economically-distressed in the region and therefore least able to recover from this flood disaster on their own. For example, in Wayne County, where over 23-percent of residents live below the federal poverty level, in the hard-hit cities of Dearborn, Detroit, Highland Park, and Inkster, the poverty levels all exceed 25-percent. In the City of Highland Park, the poverty level is closer to 50-percent. Three significantly affected Wayne County communities (i.e., the cities of Detroit, Highland Park, and Inkster) have median household incomes (at $26,955, $20,298, and $28,095, respectively) that are close to one-half of the state average of $48,471. In Macomb County, the City of Warren's poverty level exceeds 17-percent and its median household income, at $44,982, also lags nearly 8-percent behind the state average. The cities of Dearborn and Dearborn Heights in Wayne County both have poverty levels exceeding the state average, and median household incomes that are less than the state average. The cities of Madison Heights and Oak Park in Oakland County also experience those same conditions. Unemployment in many of the affected communities is also high. For example, all three counties have unemployment rates (at 9.6-percent, 8.4-percent, and 11.1-percent, respectively) that exceed the state average of 7.7-percent. (Unfortunately, Michigan's unemployment rate remains one of the highest in the nation, and well-above the national average of 6.2-percent.) The City of Highland Park has an unemployment rate that exceeds 23-percent, while the City of Detroit's rate exceeds 17-percent. As the table at Attachment 1 shows, several other communities particularly hard-hit by the flooding also have unemployment rates that exceed double-digits."

The following information is furnished on the nature and amount of State and local government resources that have been or will be used to alleviate the conditions of this emergency:

(Describe response actions by state and local governments. Describe any state/local Individual Assistance programs.)

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on August 13, 2014, in accordance with

Section 401 of the Stafford Act. On that same date, under my authority as Governor, I also proclaimed a State of Disaster for the counties of Macomb, Oakland, and Wayne, including the local political subdivisions located therein, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned counties and local political subdivisions in responding to and recovering from this disaster. I must note that numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals; assessing the damage and impacts to affected state facilities, infrastructure, and services under their stewardship; and taking appropriate actions to keep those affected facilities, infrastructure, and services operational."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro Detroit flood disaster request letter.
"I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that supplemental federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected counties specified in this request, and activation of the Hazard Mitigation Grant Program for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively."

(Provide the disaster history of the State over the past 12 months... List areas that have sustained damage from this event and other disasters in the previous 12 months, and include any other pertinent factors that would have a bearing upon the State's ability to respond, such as economy of the area, terrain, inaccessibility, or capacity of voluntary organizations active in disaster.)

(If Individual Assistance is being requested, provide detailed information on the impacted population, including percentage of insurance, percentage below poverty level, median household income, percentage of elderly, percentage of disabled, pre-disaster unemployment rates, and any other special populations [children under 5]. Include a comparison of the percentage of the state and local government averages and national averages. Indicate source of data cited.) NOTE: This data is provided in Attachment 1.

(If Public Assistance is being requested, provide a brief analysis of infrastructure damage by category, including the cost estimates for each category and the percentage of the total eligible Public Assistance cost estimate. Include a discussion of significant impacts to specific areas. If any local communities have sustained significant damage and have incurred extremely high per capita impacts, provide that information, especially if the localized damage is in the tens or even hundreds of dollars per capita. Discuss the level of insurance coverage.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions." Maps, weather and flood charts, and damage photographs related to this disaster can be found at Attachment 3, "Supporting Maps, Charts, and Photographs."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I certify that for this major disaster, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf."

Sincerely,

Rick Snyder
Governor

Attachments and Enclosures:

Attachment 1: Demographic Profile of the Affected Counties and Selected Local Municipalities
Attachment 2: Significant State and Local Response and Recovery Actions
Attachment 3: Supporting Maps, Charts, and Photographs

Office of Management and Budget Form No. 1660-0009
Enclosure A: Estimated Requirements for Individual Assistance under the Stafford Act
Enclosure B: Estimated Requirements for Public Assistance under the Stafford Act
Enclosure C: Estimated Requirements for Other Federal Agency Programs
Enclosure D: (Not Applicable to this Request)

Mike Sobocinski's notes on January 12, 2015 SEOC briefing (9:30am):

MSP Resouce unit (acting planning chief?) Amanda Bresler: Reading IAP objectives. SEOC hours will go until 8pm, so 6pm agency situation reports are due. 2pm tactics meeting scheduled.

National Weather Service (Jim Askill?): Contacted Genesee County EOC and added them to the list of NWS contacts. Today's weather is "sloppy," with "off and on" lake effect snow. Some spots might see snow all day, other spots might not see much. Various bands produce spotty effects locally. Today, snow, low temperatures, and winds produce treacherous travel. Frostbite sets in within 15 to 30 minutes on exposed skin. About 1 to 2 inches of snow accumulation will be seen today, then "off and on" snow tomorrow during both day and night—one inch or less. After the next few days it should warm up a bit (to the freezing point?).

MSP SEOC Operations section (Jackie Hampton): Identified shortages need to be addressed: water filters and test kits. Another warehouse is being opened today. Need equipment at DHHS site (loaders, etc.) to move resources on/off vehicles. 9600 cases of water per day are being handled, so space is needed to stockpile that. GCARD (?) to eventually be used for staging only, when more space has been found.

DHHS (Jennifer ??): Currently at a level 2 activation. Processing the request for a warehouse facility. Must sort through the short and long-term storage needs. Distributing guidelines/message information. Also dealing with volunteer information (and organization – the availability of volunteers).

MDARD (Kay Fritz?): Updated guidance document re: food service establishments, and the document is being approved through the JIC. Animal shelters and related tasks are being worked on. Information is going out to veterinarians in Flint. Coordination occurring with Genesee County Health Department and Genesee County animal control. (She quickly reads off their list of actions.)

MDLARA (unknown person?): Doing work with ?plumbing chief? En route. [Didn't catch information clearly] A list of home-based day care centers is available.

MDEQ (Jen Wolf): Refers to online links for approved water filters. 10,000 water test bottles are on order. Coordination with American Red Cross. More supplied ordered – another 10,000 water test bottles. Would like to always have at least 2,000 on hand, at the warehouse.

Capt. Kelenske: Make sure that the fire stations have what they need. That's the area that is farther from direct control (i.e. outside of state framework).

MDHHS (unknown speaker?): Logistics of coordinating with American Red Cross, etc. Given 10am ETA on truck with provisions from/to? Home Depot? retail outlets. But it's more useful to be given a current location of the truck, rather than an ETA. About 700 (something – individual bottled water servings, I think?) were obtained and are being delivered.

American Red Cross (Paul Spotter?): Trying to increase staffing. Is it possible to reduce hours (stopping at 7pm) to accommodate the difficulty for volunteers during the cold weather? (Capt. Kelenske: Current

hours are 9am to 9pm, and will remain so.) Some warehouse teams have been established. Tomorrow, a volunteer reception center is opening.

MDHHS (Brian [redacted]): Teams are preparing for distribution activities, but the main current focus is on the procurement of water filters.

MI Dept. Of Civil Rights (Mark [redacted]): About 15,000 Spanish-language and 30,000 English-language palm cards exist. Would like to arrange deliveries to Our Lady of Guadelupe Church and to the Hispanic center. (Capt. Kelenske: Must deliver broadly to all faith based places at once rather than just to one or two specific ones.)

Office of Services on Aging ([redacted]): Delivery to 1400 addresses with seniors – meals, care management services. Working with the Genesee and Valley Area agencies on aging. Care management clients information obtainable from various senior agencies. Becoming aware of a citizen distrust of filters alone, with seniors requesting water in addition. State and local ombudsmen checking on nursing homes to verify the use of bottled water there—these facilities are all mapped in GIS, so the info is available. (Capt. Kelenske: Must broaden messaging to build trust in filters. Jackie Hampton: Are be able to test filtered water, to build that confidence? Jen Wolf DEQ: All samples received are being tested, so filtered water samples won't be turned back, but the lab doesn't want to ask for samples of filtered water. Nicole Lisabeth PIO: hadn't heard about testing filtered water – official info should be distributed if it's to be done.)

MSP ([redacted] in SEOC): Truck shipments, tracking on map, three or more trucks requested. Comparing deployment with supply.

MDMVA (Chad Randall[redacted]): Researching the resources available to fill requests.

MDTMB (Jeannette Doll): Reached out to Meijer, found that they'd already been shifting their filter supply toward their Flint stores. Checking into Amazon as another source. Three trucks with drives are to arrive tomorrow. A 50' trailer is to be procured. (Jackie Hampton: drivers needed 7a to 10p). Emergency can allow extension of the normal 14 hour limit that drivers can be on the road. About 30,000 palm cards being printed.

Capt. Kelenske: All state agency resources are available and can be brought to bear. Any resistance can be overcome through authorities of/in the SEOC. For example, "any" state employee can go door-to-door [i.e. minus those with physical/health limitations]. But logistics do need to be sorted through.

MSP ([staging?]) Team (Brianna Briggs): Presented info in Flint and answered questions. Two kits were given out in some cases instead of just one (per household), when concerns were brought up about filtered water quality. Local volunteers are many. If state agencies do need to eventually contribute more staff, they'll be notified.

PIO (Nicole Lisabeth): Currently stressing the use of filters as the most efficient way to secure good drinking water for each household, long-term. Backed by Dr. Eden Wells in this—announced at about 6pm last night. A warehousing and inventory management system ([is being used? is needed?]) for an

inventory system. There's a parking issue re: media, but teams are getting out in the field, with instructions not to be delayed/distracted by media inquiries or activities. Teams are not to engage with media, but just to focus squarely upon their assigned tasks. All media are to be referred to the PIOs and the JIC. (Capt. Kelenske: A standard statement to this effect is to be used by workers—not even a "no comment" response, but that all media requests are to go through the PIO/JIC.) The Governor's office is sending daily emails to Flint, advising to use water filters, and that teams are going door-to-door. 2-1-1 is available to call there, a public service announcement (PSA) video has been made, a website is available. Working with Comcast to show the PSA video and to place filter instructions on a public access channel there. Billboards are going up in Flint to inform about the availability of 2-1-1 and of the website. Mailed cards are going out. Working on an Arabic translation for information cards. Getting information on churches to participate—by the weekend? Inquiries obtained regarding any Pb issues in other areas of the state. It's important to have city and county PIOs in the JIC. Some 2-1-1 rumors of lead in bottled water were dismissed/discouraged. Some calls were reported as being made to the FEMA national headquarters, involving concerned agencies such as the NAACP. Questions were also received on how corporations can make donations. (Capt. Kelenske: 2-1-1 is very important. Verify the staffing and system in place there; minimize chance of a shortfall.)

MSP Planning (Amanda Bresler): Updating the 204 form. Working to improve the local tracking sheet for resources at Flint area fire stations.

Local EOC (Mark DuCharme): Volunteers are needed at both warehouses. Don't refer to the new warehouse as "Diplomat" – because there is an existing business it may be confused with.

Capt. Kelenske: Give that warehouse a generic name, not even "DHHS warehouse." Overall, fine job so far. Focus on what we can do, and remember to take a breath or to step back occasionally so that there aren't problems with stress interfering. The smallest detected slip will be portrayed as a significant news event. The next state agency update will be at 4pm at the latest – might occur sooner.

11

Mike Sobocinski's notes on January 13, 2015 SEOC briefing (9:30am):

MSP SEOC Planning chief (Amanda Bresler): leads the meeting: Agency situation reports are due by 6pm. A new IAP is available. Agencies need to update their "204 forms" throughout the day.

National Weather Service (Jim Askill?): Still cautioning about the potential for frostbite in 30 minutes or less (for exposed skin outdoors). Tomorrow's temperatures are expected to rise to about the freezing point (32 degrees F). Possible light rain on Friday could cause icy roads. The weekend will be a little colder, with occasional snow.

MDHHS (?): CHECC is working on a nutritional plan with other agencies. The plan could address education, short-range and long-range goals, and the mitigation of lead vulnerabilities, perhaps working with a farmer's market. Reference to Flint as a "food desert" and to perhaps open a decent grocery store there. A potential lead impact document has been submitted to planning. Currently considering mental health impacts and resources. Following up with local health departments to determine their staff and support needs.

MDARD (Brad Deacon): A document was approved: Requirements for Licensed Food Establishments using City of Flint Water.

MDLARA (?): Coordinating with MDEQ. MIOSHA scientists are to help with residential water testing.

MDEQ (Jen Wolf): Extra staff are in Flint today to help with kits. A field observer is helping to organize and plan for the transport of kits to the lab. Helping with the request for a presidential declaration.

Human Services (DHHS?) (Rich ?): Reports "zero filtration products" at the fire stations as "Good job!" [Unclear to me exactly what and why he is reporting as good.] Regarding trucks, information is needed about the quantities on them, being distributed.

American Red Cross (Paul Spata): Five fire stations are staffed for resource distribution. [something] management team for GCCARD (Genesee County Community Action Resource Department). Began [?? just the start of ARC involvement, does he mean?] assembling water testing kits. Volunteer reception center is active today. "Lauren" [who??] was brought in for logistics planning in the SEOC.

MDHHS (Brian Wilson): Staff volunteers are on site to help with distribution.

[also MDHHS?] (Steve Federly): Valley Aging is "extracting" data on seniors for use by GIS.

Michigan State Police (?): Teams are out now, matched with sheriff personnel. G-event channels were set up on 800 MHz radio: 9 is the primary and 10 is the secondary channel.

Michigan Department of Corrections (Brent Travelbee): Teams are in the area, assisting. A 50' truck was delivered to the food bank. Local shuttle bus will start tomorrow in the area, able to take about 20 persons at a time to obtain resources.

Michigan National Guard (Chad Randall): Some soldiers are to help at distribution points. Just one per location. MING leaders meeting with Flint mayor today.

MDTMB (Jeannette Doll): There is [some sort of unclear] issue with the Court Street warehouse...something which sounded like it involved its seller having a $2 million liability on it. Might need a food-grade warehouse [not sure whether I heard this phrase correctly]. Working on resource requests and replacement cartridges and water.

MSP SEOC Logistics (Penny Burger): Every agency remember to update past assignments and resource requests in MI CIMS. There's been a request for a budget projection of total costs for this year, which would be hard to do more than just guess at right now.

Recovery Team (Brianna Briggs): "Water Resource Teams" are in the field—that is their official name and is to be used. Could place and maintain an extra 15 teams in the field (Friday). Working with Red Cross to assemble real-time data from "pods" at the fire stations.

PIO/JIC (Nicole Lisabeth): Set up [something; could not make it out]. Good media reports at 11pm last night. Monitoring media and clarifying the role of the MI National Guard, who are at resource sites, not going door to door. Red Cross is dealing with distracting media personnel at water distribution sites. Flint's bus system is now including water resource sites on its routes. Arabic-language information card is proceeding ahead, and logo/branding of water resource teams is being worked on. There was some sort of Legionnaire's Disease report in the media today, according to MDHHS.

MSP SEOC Planning section (Amada Bresler): Resource list to integrate with fire stations and local EOC info. The next briefing is at 4pm today.

4PM SEOC briefing, January 13, 2016

Briefing | Sit reps due to 6pm. "Tomorrow is a planning day." Be sure to update 204 tactics, esp pods, farms warehouse.

Health + EMS Branch – MDHHS Comm Hlth (Kathy Wall): wkg on nutritional plan w. several of the agencies
Lori Sangster? Lead on nutritional plan. Disaster behavioral health coord w. CHECC exploring options
checking w. PTAC at SVSUSA (?)
targeted to Stafford Act (Capt: qualifies under emerg as well as DR?)

Some wording changes suggested for factsheet,

MDARD (Brad): Mailing out food establ. requests ~800 of them.

MDEQ (Jon Wolf): Conversation about budgeting more hlth people into (local) EOC,

M [illegible] 2 of 5 trucks w. filters (10/30 (+ 2 other numbers)) are at GCCARD

ARC (Paul Spata): staffing fire station pts of distrib, further coord w. MING on staffing
Volunteer reception set up today. Numbers to be reported in sit rep.
Fielding request to feed to field response teams

MHS (Brian Wilson): their volunteers still in fields. Concerns w iPad fm in cold - better.
awaiting confirmation of replenished stock

? (Steve Bettely): Valley AAA fielding calls, something fell apart re: schedule of water/filter deliveries,
Need to get in touch w. Local EOC re this.
(Brian: Probably fixed last night)
(Capt at Local EOC confirms follow up to Dave Mitchkuyera)

pt: Any More personnel needed to [illegible] by Sheriff's Dept for deliveries? A: Being handled okay by locals so far.
Capt: consider replacing w. health + social staff to free up sheriff personnel for their normal work
(Services for Aging)
(Steve?) off duty teams avail to help w. distrib.

MSP: wkg w. MDOT for shuttle vans, working w. Pub Affairs re: state agency volunteers for weekend

MING (Col. Reynolds) – 1 full time staff at each of the 5 pods. Fed gov will resume handing out water at pods.
800 MHz channel. They needed 33 volunteers obtained 48. (Capt Any feedback on MING soldier presence? Not [illegible])

MDTMB (Jc Doll): warehouse located another site ARC + Wendy Galbreath checking out to replace other site that had problems (court St. school district etc). Stuff to be moved from old to new site.
Based on truck loads: will maintain 8 truck loads per day thru Sat Avail. (can too if needed. (incentive)
117K filters coming in and 39K faucet (bowtie) (faucets) ?
Tablets coming tonight to EOC for GIS app download – to Flint after
Loads to Flint.
(Capt: 80K sq ft full + [illegible] trucks being loaded [illegible] clear out by ?)
Dock #1 by phone
15 trucks waiting,
(Capt: must offload somewhere + not wait)
only 1 loading dock at each facil. Court St won't work.

Local EOC (?): Info entry + radio seems good – only supply on road must be cleared up

MSP Logistics (Penny Hyger): working on trailers + vehicles from Corrections for door to door campaign. Coord w MSP for the Veterans

Finance analysts being finished up. to be reviewed 1st by ?

Planning : progress on tracking Inventory. SitReps due 6pm ~~state~~

Recovery (Kristie Davis): some numbers may not be in yet (paper vs. forms iPads)
374 homes yesterday 377 today or more but fewer vacant homes today
Within new ABC this week for teams Monday is holiday.

(Capt: community reaction? No info yet.)

JIC/PIO (Shannon Banner?): Media hotline increased calls, not overloaded. Some Qs need answers from SEOC.
Good collaboration b/w 2-1-1, CO, State agencies PIO, could use local PIO today.
1130-1230 F. Staff 3 media briefing - very good media turnout, positive.
Waiting for logo approval (local + CO) for response team.
Capt: How is 211 doing - monitored for success, staffing, etc.

JIC/PIO (Nicole Wisabeth): 2-11 going well

(phone discussion Legislatives
Capt: DHHS will handle those Qs but not through SEOC or local EOC - three other channels: Separate issue?

Cleanup

Brianna
Next call tomorrow 9:30a

12

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 3:57 PM
To: Weber, Thomas (MSP)
Subject: "food desert"

I collected a bit of data and just did some discussion about the conflicting definitions of "food desert." I understand the consideration given in recent years to the concept of "food deserts" but so far I do not see much evidence that any part of Flint should probably qualify as having that problem. It's good that people are concerned, but I think their concerns should reflect realistic challenges and mainstream preferences, rather than idealistic ones proffered by a particular subset of researchers.

Some of the main issues include:

1. A homebound person by definition will not be able to readily access a good food grocery source even if it is located right next door to them (this is a disabililty/mobility limitation issue, not a supply or "desert" issue).
2. Unrealistic definitions which place too much emphasis upon middle class preferences for particular types of fresh produce stands, and don't accept the viability of other sources of the same nutrients (e.g. frozen vegetables, satisfying ethnic dishes rather than just traditional American "tossed salad" ingredients).
3. A narrow focus upon particular definitions of "walkability" that often does not take into account the transit system. Too many researchers presume that someone without a car is simply stuck—not considering the use of buses or getting rides from friends and family. Each public bus route in Flint (see map below) provides access to the downtown bus service center, which is near the farmer's market (for those who want/require fresh produce of a certain type). One of our viable response options could be to provide bus passes to those who don't otherwise have decent transportation options in the city. The question should therefore shift to figuring out whether in-need persons live within a certain range of transit stops, or whether they are adequately served by shuttles, meals on wheels, etc, rather than whether there is a qualifying grocer within a walkable radius of every home.
4. A blanket categorical dismissal of certain kinds of food sources as either nutritionally inadequate (e.g. so-called "fast food," as if it's all the same and all unsuitable), or overpriced (i.e. as if *all* restaurants are necessarily a form of luxury spending that would be of no interest to persons of low income).

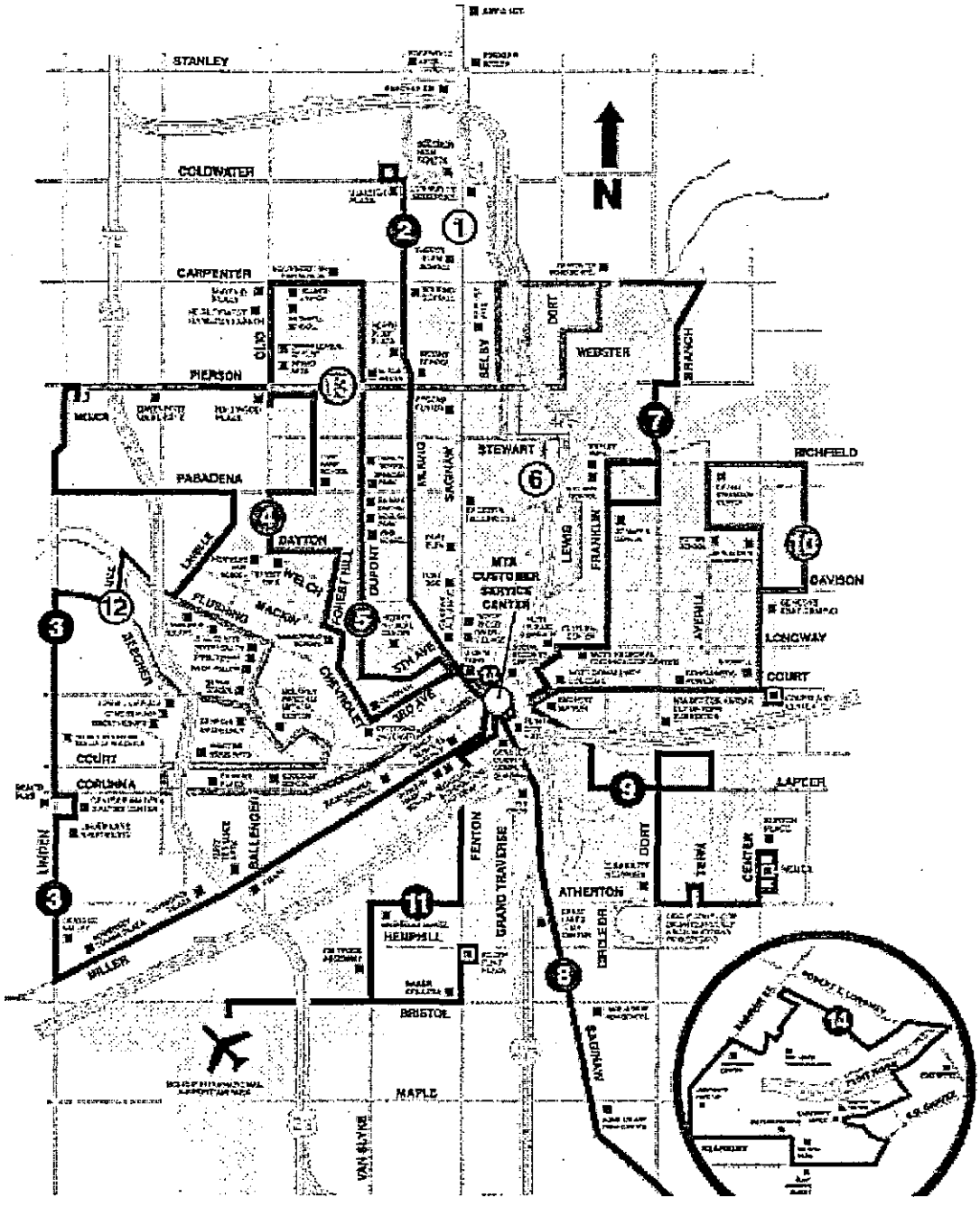
From my own first-hand experiences living in poverty in Lansing with no car, I find that most persons in Michigan cities who want a nutritionally balanced diet have ways of satisfying it. Ways which many researchers apparently could not think of. One of the real complications in any case (whether walking to a nearby food market or taking a bus to Meijer) concerns crime and people's fear of it, which realistically forms a separate issue.

In my experience, the correct approach to exploring the topic is not to seek to define places as being a "food desert," but to realistically assess what challenges each resident might face when obtaining food for a healthy diet. Those who own and can use their cars will not have much of a problem accessing whatever foods are in the whole urban area. Those who have friends/relatives with cars might not have much of a problem, either. Those who are homebound clearly would need help, but this would be true regardless of whether they're in a "food desert" or not. Those who don't have the use of a car should be assessed as to whether they have viable access to transit. In the city of Flint, there appears to be pretty good bus route coverage. There are also a lot of restaurants and small groceries. Not all groceries are necessarily carry a full array of food types, of course, but their quality should not be pre-judged (by researchers or by formulas) as "bad" merely due to their relatively small size (or by their sales of tobacco and alcohol – after all, huge places like Meijer also have huge alcohol sections). Some restaurants are certainly overpriced, but again not all restaurants should be presumed to be completely unaffordable to the poor. After all, this is why places like McDonald's and Wendy's have "value" or "dollar menus" – these cost more than they would at Meijer, but are frequently used by patrons with very tight budgets. And even though these places do offer a lot of high-fat, high-sodium foods, it doesn't mean that someone who actually seeks a balanced diet can't find any decent food there. McDonald's discount menu,

for example, offers a side salad and a fruit yogurt cup. Plain baked potatoes, chili, etc. are quite affordable at Wendy's. A Subway vegetarian sub is pretty wholesome stuff. Yet, strict researcher definitions have confused overall consumer preferences with the "unavailability" of nutritional food, and many "food desert" studies have dismissed viable nearby food options out-of-hand, categorically, as "fast food" or as not "whole foods" that appeal to particular standards that exceed FDA definitions for a balanced and nutritious diet. A low-calorie tossed salad from a farmer's market is considered "good" even if most people consider it unsatisfying as a meal, while a satisfying vegetable stir-fry from a local Asian restaurant or market is somehow dismissed by researchers because it's cooked into a hot meal instead of served in raw salad form? Many of the academic studies seem not to realize that a low-calorie salad which might satisfy a sedentary professional office worker is generally unsatisfying to someone whose caloric needs (for example as an outdoor manual laborer) are simply higher.

If you hear about anyone actually meeting to plan for or discuss this topic, please let me know. I doubt that the actual issue or realistic solution is to provide more "decent" grocery stores in Flint so much as to instead serve those who actually have difficulties obtaining transportation to get where they need to—those who neither have access to a car nor are able to make use of the city bus system. It's easier to provide bus passes than to set up particular kinds of food outlets in every neighborhood.

http://mtaflint.org/guide/fixedRoute.php



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Mike Sobocinski's notes on January 13, 2015 - 2nd daily SEOC briefing (4:00pm):

MSP SEOC (Brianna Briggs): leads the meeting: Agency situation reports are due by 6pm. "Tomorrow is a planning day." [No explanation for this statement was provided.] Agencies, be sure to update 204 forms tactics, especially pods, teams, warehouses, etc.

(Health and Environmental Branch, next few agencies) MDHHS Community Health (Kathy Wahl sp?): Working on nutritional plan with several other agencies. Lori (Laura?) Sempler (sp?) will be the lead on that plan. Disaster behavioral health coordination is occurring, with CHECC exploring options, checking with DTAC at SAMSA [references not explained], targeted to Stafford Act qualifications. (Capt. Kelenske: does it qualify under an emergency such as this? This needs to be verified.) Some wording changes were suggested for the fact sheet.

MDARD (Brad Deacon): Mailing out food establishment requirements—about 800 of them.

MDEQ (Jen Wolf): Conversation about bringing more health people into the (local?) EOC.

M???: Two of the 5 trucks loaded with water filters are at the GCCARD. 10,700 filters, [two other large numbers were given for other types of resource there, rattled off too quickly for my poor & tired writing hand to keep up with]

American Red Cross (Paul Spata): Staffing fire station points of distribution. Further coordination with MI National Guard (MING) on staffing. Volunteer reception center was up today; numbers to be reported in the sit rep tonight. Fielding a request to feed field response teams.

MDHHS (Brian Wilson): Their volunteers are still in the field. Heard concerns about some IPads not functioning in the cold, then seemed to work better? Awaiting confirmation of replenished stock.

Offices of Services on Aging (Steve Betterly): Valley Area Agency on Aging has been fielding calls. Something fell apart regarding the schedule of water/filter deliveries—need to get in touch with local EOC on this. (Brian Wilson: probably fixed last night.) (Michelle Kuzera?: Local EOC confirms follow-up to occur [She disappears from phone suddenly, not to reappear]).

Capt. Kelenske: Any more personnel needed by the Sheriff's department for deliveries?

Unknown replacement on phone from local EOC: Being handled okay by the locals so far.

Capt. Kelenske: Consider replacing sheriff staff with area health and social work specialists, to better match staff with their expertise and free up sheriff personnel for their normal duties. (Services on Aging (Steve?): off-duty teams are available to help with phone lines and resource distribution.)

MSP: Working with MDOT for shuttle vans, working with Public Affairs re: state agency volunteers for the weekend.

MI National Guard (Colonel Reynolds): 1 full-time staff at each of the 5 "pods." Friday morning 9am will resume handing out water at the pods. MING needed 33 volunteers, and actually

obtained 48. (Capt. Kelenske: Any feedback on public reaction or questions re: MING soldier presence? A: not known.)

MDTMB (Jeannette Doll): A warehouse has been located at another site. Red Cross and MSP Wendy Galbreath are checking it out as a replacement for the other site that had problems (Court Street school district site). Stuff is to be moved from the old to new site. Based upon truck loads, will be maintaining 8 truck loads per day through Saturday, available on Sunday too, if needed. 117,000 filters coming in, and 139,000 faucet (founts???). Tablets are coming in tonight to the EOC for GIS staff to download an app, then going to Flint in the morning. Information cards sent to Flint. 15 trucks are waiting. (Capt. Kelenske: They must offload somewhere and not wait.) Only 1 loading dock at each facility. Court Street won't work—told that it was vacant and had 80,000 square feet, but it was full. (Someone on phone, Jackie Hampton perhaps?, later announces that the site will be available tonight, after all. Commissioner Curtis had prompted warehouse emptying which is allowing trucks to be moved there now. Equipment and staff available to unload, with warehouse reportedly able to be cleared out tonight. A Dort Highway location is being investigated for suitability.)

Local EOC (unknown person): Information entry and radio [channels?] seem good. Only the issue of supplies waiting on the road (presumably on trucks or in transport) must be cleared up.

MSP SEOC Logistics (Penny Burger): Working on trailers and vehicles from Department of Corrections, for door-to-door campaign. Coordinating with MSP for Thursday and Friday volunteers. Financial analysis being finished up—to be reviewed first by Captain Kelenske before submission.

MSP SOEC Planning (Zach Baker? Couldn't see across room.): Progress on tracking inventory. Sit reps due at 6pm.

MSP SEOC Recovery Team (Kriste Davis): Some numbers may not be in yet—issue of paper substitute for frozen IPads. 394 homes were visited yesterday, plus 378 more today, possibly more, once additional reports are processed. Even if number appears lower today, there was a smaller number of vacant homes today, so the actual number of inhabited homes is higher today. Working with the Red Cross this weekend for teams. Monday is a holiday. (Capt. Kelenske: Any info on community reaction? A: No info yet.)

JIC/PIO (Shannon Banner?): Media hotline saw a markedly increased number of calls, although it was not overloaded. Some media questions need answers to come from the SEOC. Good collaboration with 2-1-1, county, and state agency PIOs. Could use the local PIO today, though. From 11:30a to 12:30p there was a media briefing at fire station #3—very good media turnout, positive in tone. Waiting for the logo approval (from local and county) for the response team. (Capt. Kelenske: How is 2-1-1 doing—being monitored for success of call handling, good staffing levels, etc.? Nicole Lisabeth [JIC/PIO]: 2-1-1 is going well.

(Phone discussion regarding Legionnaire's disease report—[unclear who the participants were].)

Capt. Kelenske: DHHS will handle those Legionnaire's-related questions through separate, normal channels, not through the SEOC or local EOC but through other channels, as a separate matter.

SEOC Planning Brianna Briggs: The next briefing will be tomorrow at 9:30am.

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January 14, 2016 SEOC briefing 9:30 am

Wanda Foster 10:30 district processing added to battle rhythm; "Planning day": 12:30 pm submission of ICS 204 forms. Devel. IAP for next ops period (objectives read off).

Gloria Zuber HHS, emstream direction

DEQ (George ?): Q re: when water is considered safe. SEOC answer only (tentative) not for public dissemination yet.
A: complex Q will require consensus decision of all major partners including heads.
Pb + Cu Rule – new 6 month monitoring period in Flint. June 30 deadline 60 samples for Pb, Cu testing. Too long for res – since Dec. 9 PO_4 supplements to discourage pipe corrosion, rebuild protective layer. Mtg w. mayor re: various system access points beyond the Pb+Cu rule's minimum. Seek resident volunteers for monthly H_2O test, to start trend and.
Capt: Being asked door-to-door. Over 60 so far. Will send this info to DEQ.

MSP Ops (Mabe Covey): Addl 88,000 sf warehouse secured.

NWS (Jim Askow): Temps up to freezing today. Mix snow + drizzle potential icy roads where untreated. Tomorrow ~ 46-50 rain showers high temp record not too much rain.
Fri – 1 in a little snow. Sat to teens again and also during next week.

HHS-Env Hlth (Jennifer ?): JONES in CHECC working on emerg vs disast q from yesterday. Mtg on stress FX + mat hlth.
Devel Educ mat'ls, messaging
Short + Long term goals re "food desert" situation?

DARE (Brad Bacon) revised handout approved + going out in mail to food sites. + Wf site, inspections to begin

LARA (Karen Towne) pilot project, chemistry + retesting. Q re: child care licensed facilities: could be added if they want to be testing sites (in-home providers ~ 6 kids). Will research whether actlly exists.

DEQ (Ben Wolf): ensure transport/storage of test kits. Test kits free to all, not just residential (e.g. "No one gets turned away for anything"

Hum Svcs Branch (Richard Helen): data base w. >17K addresses supplied to GIS. 2-1-1 enquiry to "our SER dept"
There is state emergency help available ... to develop messaging

MSP (ARC ?): logistics pipeline plan develope 6 processed yesterday

ARC (Paul Spata): Director opened but not publicized until estab. Today shld be fully open. 10 Em Vehicles staged to support response teams.

Educ (Louie Burgess): getting called from feds e.g. unlicensed child care (≤ 4 kids at one time) checking into info. Director on educ plg team. Flint school district – Educ safety contact with Sch dist for something (very unclear)

HHS (Brian Wilson) volunteers remain active in Flint.

Fin – 2 things (Steve Betterley) sent ≥ 500 add'l names to GIS yesterday. Valley Area Planning Comm Q re:
GCCARD (something about not being involved in something) (Michelle Kuzera & W. Kathy Bolz will follow up to resolve)
putting info on medicaid waiver clients. Teri Simmons will be on 4 pm update

MSP Pub Safety (Insp Bolger): MSP at local EOC (phone from Lt Kirk ?) busses used for shuttle. 36 MSP volunteers today
Adequate filters + water right now (≥ 100K on hand) Wrap up SW side today, then N + NE sides to start
In addition to 5 teams already (10-15 persons per team vs 4 per team?) (Must sync: how many persons vs teams. Dept:
(among many phone) obtained Natives have some sort of inadequacy (open top trailers), need to resolve. (10:30 am follow up call)
Some Connection vehicles working well as shuttles.

LDMVA (?): All went well w. addn soldiers at fire stations. 30+ troops being used today. 1 pm media address today.
Tomorrow ~ 3 soldiers per fire station

LDTMB (Jeannette Doll): Getting water moved over to Clio. Water order program in process. Haul trucks being ordered to fill MSP need. 1.0L
upgraded 9:30 am Home Depot contract now. Replacement filters important for long-term recovery

STEP 1c: RISK ASSESSMENT

This substep and the next one (Vulnerability Assessment) are closely related. Both use gathered information to summarize the risk that each hazard poses to your community. During these two steps, much useful information can be added to the sections that were started for each hazard in the Hazard Identification substep. The tasks involve finding where hazard risks overlap with the people and property you identified in the community profile. The goals of the risk assessment are to map out where hazards exist in your community, and to gain some idea of how often they arise and how much harm they might do in the future. Some hazards may affect your entire community, and may not need mapping if their likelihood and impacts seem to be about the same throughout the area. It will still be important to consider potential impacts they may have on different parts of your community—especially areas that may have a harder time preparing for and responding to an event. The Risk Assessment mainly involves collecting and thinking about this information, which will form the basis for the Vulnerability Assessment to follow. Useful sources of information include base maps from the public works department, road commission or planning department, floodplain information from National Flood Insurance Program Flood Insurance Rate Maps (FIRMs), and Section 302 sites from the Local Emergency Planning Committee (LEPC). Many of the web sites given in the last section (Step 1b: Hazard Identification) contain information that is detailed enough to use for Risk and Vulnerability Assessments in your community.

A valuable part of the Risk Assessment is the hypothetical consideration of "worst-case scenarios" in your assessments, by imagining what would happen if the worst possible catastrophe from each potential hazard actually occurred within your community. This type of analysis will suggest areas of overlap where one hazard causes another (such as severe winds causing infrastructure failures) and an assessment of the limits of your community's response capabilities (for example, a large transportation accident may temporarily overwhelm the Emergency Medical Service's capabilities in some areas).

This section of the workbook provides a general overview of the principles of risk assessment. Specific techniques (that can be used to assess each of the identified Michigan hazards) will be presented in Appendix B ("Detailed Techniques For A Hazard Analysis").

Different Degrees of Risk Assessment

The Risk and Vulnerability Assessment steps of a good hazard analysis involve estimating the *probability* of harm and also estimate the *severity* of harm in your community. This sort of analysis really started with the first steps of the Hazard Identification process, with the question "Is it possible for any of these hazards to affect our community?" Each hazard listed in this workbook (and its companion document, the "Michigan Hazard Analysis") should be considered. In your local hazard mitigation plan, each of the hazards listed in these documents must be addressed in some way. The extent to which they are addressed will depend on the extent that each can affect your community. Here is a list and description of the types of assessments that will be used:

1. Cursory Assessment

This will be used for hazards that are not considered possible or significant in your community. For example, if your community is located hundreds of miles from the nearest nuclear power plant, and you have determined that it is not likely to be affected by any incident from the nearest plants, a cursory analysis will be appropriate for addressing that hazard in your plan. A cursory analysis is merely a short statement explaining to your community **why** a particular hazard is not considered a threat. Careful thought should be given before *any* hazard is dismissed from analysis, because, however unlikely it might seem at first, if "the unthinkable" were actually to happen, people may be up in arms at the claim that it wasn't worth considering. The best kind of cursory analysis will give a reasonable assessment about why a potential hazard was considered a much lower priority than other hazards, at the time of writing.

FOR EXAMPLE:

> "The earthquake threat has been evaluated in our county and found to be of very low priority. Our county has no known fault areas within it, and no historical record of an earthquake event could be found. The effects from a major event in the New Madrid area were determined to be equivalent to Modified Mercalli Intensity Scale measurements in the range of I or II. Thus, in the worst of known scenarios, although it may be possible for some persons to feel minor seismic activity if they are located in the upper floors of buildings or in other sensitive locations, no damages to area structures are anticipated. The capacity of the county's infrastructure systems to withstand such minor trembling has been determined to be satisfactory. Because of the lack of vulnerabilities to this hazard, and the presence of other hazards that currently threaten our county, it was decided that no earthquake mitigation activities need to be undertaken."

Mike Sobocinski's notes on January 14, 2015 - 1st daily SEOC briefing (9:30am):

MSP SEOC Planning (Amanda Bresler): A 10:30am distribution process meeting has been added to the battle rhythm. Today is a "planning day" [this phrase was still not clearly explained but might refer to the development of a new IAP]. 12:30pm submission deadline for the ICS 204 form. Developing the IAP for the next operational period. (Numerous objectives were read aloud.)

MDEQ (George [redacted]): There's been a question of when the water is to be considered safe. A tentative SEOC answer (*not for public dissemination yet*) – since the question is complex, it will result from a consensus decision of all major partners, including locals. Copper and lead rules: a new 6-month monitoring period has just begun in Flint, involving a June 30 deadline for 60 samples to be tested for Cu, Pb. This routine schedule is of course too long for our current circumstances. Since December 9, phosphate supplements had been added to discourage pipe corrosion, rebuild a protective layer. There's a meeting with the Flint mayor regarding various system access points beyond the Pb and Cu rule's minimum test requirements. Seeking resident volunteers for monthly water test, to start analyzing trends over time. (Capt. Kelenske: It's being asked during the door-to-door visits, and over 60 so far have agreed. This info will be sent to DEQ.)

MSP SEOC Operations Section (Gabe Covey): An additional 80,000 square feet of warehouse space has been secured.

National Weather Service (Jim Askew[redacted]): Temperatures go up to the freezing point today. A mixture of snow and drizzle with the potential for icy roads where roads have been left untreated. Tomorrow from about 11am until about 6pm we expect rain showers, with the high temperatures around 40 degrees F. Not too much rain, a little ponding potential. Then from Friday evening, a little snow, as Saturday temperatures would be back down in the teens again and also during next week. Just one brief warm-up over the next day.

(Health and Environmental Branch, next few agencies)

MDHHS (Jennifer [redacted]): Subject matter experts are in the CHECC working on yesterday's question regarding emergency vs. disaster eligibility of a particular program under the Stafford Act. Working on the stress effects of the event upon mental health. Developing educational materials and messaging. Developing short and long-term goals regarding the "food desert situation." [NOTE – Afterward I gave her my contact info to join discussion of definitions and alternatives, related transportation access ideas such as providing paid bus passes to improve food access.]

MDARD (Brad Deacon): A revised handout was approved and is being mailed out to food service locations, and web posting. Inspections of these locations will begin.

MDLARA (Karen Towne): Something about a pilot project (involving, or in addition to,) insulation and retesting. There's a question involving licensed in-home child-care facilities (up to 6 kids) and asking them whether they want to be water testing sites. Will research whether the authority exists to require testing.

MDEQ (Jen Wolf): Ensuring the transport and storage of water test kits. Heard a report of non-residential (e.g. businesses) told that the kits were only for residential units, but this is not true and therefore must be corrected. Test kits, etc. are free to all, not just residential: "No one gets turned away for anything."

MDHHS? (Richard Thelen): A database with more than 17,000 addresses was supplied to the GIS section. 2-1-1 inquiry regarding whether State Emergency Relief (SER) is available. Will need to develop messaging on this topic, to explain to everyone what it is and what is available.

Lauren (Lorent) of the American Red Cross?: A logistics pipeline plan [is/was/is being] developed.

American Red Cross (Paul Spata): Volunteer Reception Center was opened but not yet publicized, because it's first day was to test its processes to ensure they will be up to speed. About 6 volunteers were processed yesterday. Today, it should be fully open. Ten emergency response vehicles were staged to support the response teams in the field.

Department of Education (Louie Burgess): Receiving calls from federal level regarding things like unlicensed child care centers (residential, for up to 4 kids at a time). Checking into information for those inquiries. A 17-level departmental director is now on the educational planning team. The department is seeking contact with the Flint school district for something... [very unclear]

MDHHS (Brian Wilson): Volunteers remain active in Flint.

State Office on Aging? (Steve Betterley): Sent at least 500 additional names to GIS staff yesterday. The Valley Area Agency on Aging raised a question regarding GCCARD: something about it not being involved in something [I didn't discern the details in any coherent way], and Michelle Kuzera, MSP representative at the local EOC, will follow up with Kathy Bolz (sp?) to resolve the issue. Getting information on Medicaid waiver clients. Teri Simmons (sp?) will represent this office for the 4pm briefing.

MSP Public Safety (Inspector Bolger): MSP is at the local EOC. [Phone-in participants interrupted numerous times with information; I'm not totally sure who said what in the end.] Buses are being used to shuttle residents. 36 MSP volunteers available today for Flint activities. Adequate filters and water are on hand right now (at least 1000). Wrapping up with the southwest side of Flint today, and proceeding to the north and northeast sides starting tomorrow. Discussion about different teams having different sizes, creating confusion over estimates of how many total persons are on them...between 4 and 15 persons per team? (Captain Kelenske directs a standardized number on each team, with accurate summary info presented to him in writing. A 10:30am follow-up call was agreed to.) Obtained trailers were not all adequate for their required purpose, such as being open-top trailers—situation must be resolved.

MDMVA / MING (?): All went well yesterday with the National Guard soldiers posted at the fire stations. More than 30 troops are being used today. 1pm media address occurring today. Tomorrow at 9am, 3 soldiers will be assigned to each fire station.

MDTMB (Jeannette Doll): Getting water moved over to Clio. A water-order program is in process. U-Haul trucks are being ordered to fill the MSP resource transportation needs. Have upgraded now to a $30 million Home Depot contract. Replacement filters are important for long-term recovery.

Local EMHSD Liaison [MSP's Michelle Kuzera?]: Working on planning tasks and processes for the homebound.

MSP SEOC Logistics (Wendy Galbreath): Site visit took place yesterday (with Lauren) to check into new locations. Three locations are now moving toward one large location at Clio Road, which has its own experienced crew for loading and unloading trucks, plus a Red Cross warehouse manager. Daily logistics meetings now occur at 10:30am (brief) and at 7pm (longer). Court Street and GCCARD will have their resources moved to and consolidated at Clio. (MSP's Kriste Davis: Mission-ready packages MRPs. Working toward standardized teams of similar size, plan being pushed up to work on it today. Yesterday's final numbers turned out to be 492 occupied homes visited (total 653, implied to include vacant ones).) About 2 minutes per door – a good rate of field work.

PIO/JIC (Shannon ?): Reviewing fact sheets. Michigan Association of Broadcasters sending radio PSA today. Received a request for door-to-door team credentialing (with official ID). If this is to be used, info will be needed for official distribution. (Capt. Kelenske: Each team has either a sheriff or MSP vehicle, "marked unit car." Someone else: the problem may be when teams cover an entire block, with the 1 vehicle not easily visible to every household.)

MSP Planning (Amanda Bresler): Improving the pod technology thanks to MSP James Tchorzynski's work there. Meeting with agencies to help with ICS 204 forms. 6pm situation reports are due. Next briefing will be at 4pm.

Capt. Kelenske: Senator Arenic(?) was met with and shown the SEOC; appeared impressed.

Mike Sobocinski's notes on January 14, 2015 - 2nd daily SEOC briefing (4:00am):

[NOTE: The initial tactics was much too rapidly paced to take notes on, and its content should be available once the ICS 204 forms are all submitted.]

(Health and Environmental Branch: first several respondents, including Office on Aging)

DHHS (Jennifer ?): Working on nutrition plan and behavioral health work.

MDARD (Brad Deacon): Food guidance went out in today's mail. Now working to prioritize sites in the most at-risk zones (the redder zones on a map) for forthcoming inspections.

MDEQ (Jen Wolf): Only 80 samples are present at Flint, perhaps because the only two collection sites for them are at City Hall and the Water Treatment Plant, and the plant might not be on the bus transit routes. May need to make fire stations into collection points, but indications had been that they didn't want to be responsible. The governor wants 8 teams—staff is needed who have some scientific background. Many bottles are coming in (overseen by American Red Cross?) Lot testing is needed to verify bottle cleanliness after they've been received from the vendor.

MDLARA (Karen Towne): Supplies were received. Pilot project installation to occur Saturday, with testing on Sunday.

MDHHS (Brian Wilson): Volunteers in the field have been receiving a lot of positive feedback from the community. IPad operation was much better today—fewer delays.

American Red Cross (ARC) (Lauren ?): Standardization of water response teams [??Can't be sure this completely represents her statement - it went by too quickly?]

ARC (Paul Spata): Continued to staff the 5 fire stations. Coordinating with MING regarding their staffing over the weekend.

State Office on Aging (Steve Betterley): Coordination of referrals problem was successfully solved by Michelle Kuzera. Still in the process of identifying senior addresses in Flint who may need assistance.

MSP Public Safety: [some 2330 number rattled off along with a bunch of other stuff. Possibly the number is a cumulative number of doors visited to date by field teams??? Way too much info, presented in too fleeting a manner to capture any of it in written notes. @@@@@@@@@@@]

MDMVA/MING (unidentified speaker in SEOC): Hotel rooms confirmed for 35 [something - soldiers??] who will be there. Each pod is to have a government phone (and?) Blackberries. List provided to planners. Providing liaison to local EOC and a PIO to the JIC.

MDTMB (Jeannette Doll ?): Four U-Haul trucks were obtained. Working on resource requests all day.

Local EOC MSP Liaison (Lt. B.J. Roach): Working with churches to coordinate. (Capt. Kelenske: Is a person available to handle that duty and thus free her up for many other tasks?)

MSP Logistics (Wendy Galbreath): Many requests regarding volunteer donations. Penske offered 15 to 20 trucks, Dean transportation has drivers available. Confusion regarding whether to go to EOC or to GCCARD, but that's now cleared up. MSHDA's 24 Flint properties are to get filters installed. "Zero water" [??] news event—to offer match (i.e. donations?) of filters.

MSP SEOC Planning (Amanda Bresler): Logistics resource plan and IAP work today—need info as soon as possible. Situation reports are due by 6pm.

MSP Recovery Team (Kriste Davis): Planning involving the teams and coordination (mostly covered by others).

JIC/PIO (Shannon [redacted]): The email for state employees has been drafted, and is being reviewed. Several media requests received for warehouse events but need to be delayed until the transition is done and the warehouse is operating smoothly (in about 2 days?). Found no major media errors today. Many questions are pending and the list of them is growing in number—need info from the SEOC to answer them—especially needed for rumor control, since the same questions are being asked by activists. Trouble getting in contact with local community PIOs and need help to contact them. (Capt. Kelenske: need documentation of unsuccessful contact efforts, and submission of an actual list of questions; a follow-up call will occur on this topic.)

Capt. Kelenske: Met with TAG ([redacted]) today—General Vadinez (sp?). There's an issue involving used empty water bottles—a recycling system needs to be provided (regardless of whether it actually receives widespread use) so there isn't an issue with empty bottles everywhere. West Virginia has an after-action report which probably has good ideas about handling this. The next briefing will be tomorrow at 9:30am.

Mike Sobocinski's notes on January 15, 2015 - 1st daily SEOC briefing (9:30am):

MSP SEOC Planning Section (Amanda Bresler): Reads off the battle rhythm for the day. Yesterday's IAP was approved.

MSP SEOC Operations (Gabe Covey): The top priority today is tracking to ensure that adequate staff and resources are in the field. We are setting up the Water Resource Teams for the weekend. The Governor had asked for a declaration of both an emergency and disaster by the federal government yesterday. Working to improve coordination with JIC.

National Weather Service (Jim Askow [sp?]): It will be about 40 degrees F all day today but afternoon rains will cause some slippery conditions. Temperatures drop tonight. It will be very cold Saturday through next week. Standing water will freeze in place tomorrow morning. Sunday's high temperature will be about 15 degrees F. Becoming breezy on later days, through next week, again resulting in circumstances in which exposed skin risks frostbite in 15 to 30 minutes outdoors.

Capt. Kelenske: We have intended to give credit to all who were involved, but some agencies were recently missed when trying to list them all.

(Health and Environmental Branch: next several respondents)

[redacted] (Kathy Wald): The CHECC will be open Saturday, Sunday, and Monday, helping with the county phone banks on those days. Coordinating with GIS regarding those who are dependent upon medical equipment in their homes. Data is being obtained and provided to GIS. Genesee County Health Department requesting 10,000 copies of an EPA document, so MDTMB will arrange (Capt. Kelenske: or EPA itself can provide them).

MDARD (Brad Deacon): Prioritizing food facilities for follow-up next week. Coordinating with DEQ.

LARA ([redacted]): 20% of the 244 health facilities [something... too fast for notetaking]

MDEQ (Jen Wolf): Working on teams for the plan [for? and?] testing water [at schools?]. Logistics of 10,000 water bottles' assembly and distribution.

"Human Services Branch" [MDHHS? (Rich Thelen?)]: Filter and cartridge numbers were stated. Reordering is necessary today. Met with Finance, figuring out stuff with others. (Capt. Kelenske: Yesterday there was a budget meeting with SBO [redacted].)

MI Dept. of Education (Kevin Wolff): Coordinating with private and parochial schools. [something else didn't catch it]

Dept. of Civil Rights (Mark Bishop): The EPA document is available online in multiple languages, has been handed out at schools. Would be good to coordinate with these other agencies and order more copies to meet everyone's needs.

[redacted] (Brian [redacted]): door-to-door [something TOO FAST FOR NOTETAKING!!]

State Office Services to the Aging (Steve Betterly): The Valley Area office (and Kathy Bolz) referral issue has been resolved by MSP Michelle Kuzera. 400 new addresses of "my choice waiver clients" [redacted] were received and forwarded to GIS. Information on independent and assisted living facilities in Flint (non-regulated congregate settings) to overlay onto the existing heat map. Received question on

Legionnaire's Disease—any connection known? (Capt. Kelenske: no known connection. May need to put out a statement from DHHS or the Governor for PIO use.) Question on whether the heat map (by Dr. Mona Hanna-Attisha) is available to the public. (Capt. Kelenske: It is already available, open source.)

American Red Cross (Paul Spata): Many persons are asking about Legionnaire's Disease at the Flint fire stations. (Capt. Kelenske: Again, we will check this morning with the Governor on how to keep these topics disconnected. It's okay for fire stations to refer people to the web site, but there's a problem with providing handouts there and connecting the topics.) Five sites were staffed by ARC yesterday, but the MI National Guard takes over the staffing today. ARC is supporting the Water Response Teams today, and continuing to operate the Volunteer Reception Center. Supporting the distribution of materials, and providing warehouse operations management.

ARC (Lauren Twohig): Describes some sort of coordination. [Too fast for notetaking]

MSP ([? Over phone]): States various numbers of volunteer state employees. 10 teams are in the field, in wards 5 to 7 of the city. The ARC has an additional 5 teams, focusing on Ward 6. The I-Pad issue was partly the result of low temperatures, and partly related to software and operator handling of the software. Working with MDTMB on software to prevent I-Pad problems. (Capt. Kelenske: If there is a way to weatherproof them, let us know how to help.) Could use rain ponchos. (Capt. Kelenske: Will do.) Various sign-ups so far for working on Saturday (24), Sunday (39), and Monday (46). Working with Penske on truck donations.

MI Dept. of Corrections ([?]): Total of 14 vehicles including a handicap-accessible van.

MI National Guard (Lt.-Col. Randall): "O and O" [?] at local EOC. Have been transitioning into pods, which is going well. (Capt. Kelenske: TAG discussions—will provide info separately, soon. No tents are to be used.)

MDTMB (Jeannette Doll): Specialized items are available at the Mundy Township Home Depot, to use in the pilot (such as water bubblers). Volunteer identification badges should be available today. (Capt. Kelenske: We'll discuss re: "Volunteer" on badge design, since not all workers are volunteers.) Something was also said about fuel cards and employee "Survey Monkey" [unclear].

Attorney General (Peter Manning): Will be submitting some legal questions.

MSP SEOC Logistics Section (Wendy Galbreath): Working with Jeannette Doll (MDTMB) on the consolidated warehouse. Today is day 1 of the plan.

MSP SEOC Planning Section (Amanda Bresler): Situation reports due again by 6pm today.

MSP Recovery Branch (Brianna Briggs): Working on the weekend team logistics, and on identifying standardized information to be submitted daily (rather than repeatedly asked for).

PIO/JIC (Nicole Lisabeth): The Governor stopped by at a fire station, unannounced. Positive media regarding the federal declaration request that was made. No known media errors identified lately. A legislative briefing occurs today. There have been a couple requests for the presidential request letter (Capt. Kelenske: Not available publicly yet. Its release is to be discussed first for approval.) Today there are 3 news releases. Potential on Saturday for [something]. Attorney General Schuette: sending out some info on his investigation. Today there is a Time Magazine interview with Dr. Eden Wells. Please notify the JIC of any agency messages that are being sent out. A Governor's statement is being made

today about returning additional powers to the Flint mayor. The Genesee County Health Department is on furlough right now, so people should dial 2-1-1 instead.

MSP Capt. Kelenske: At about 11am, 50,000 phone lines in Flint will receive a message from the Governor. This could cause a spike in calls to 2-1-1 as well as in the demand for supplies. Would like to get a briefing to the Mayor of Flint and to the Governor, summarizing agency actions. Please send bullet points to Gabe Covey (MSP Operations Chief) for him to assemble for this list of specific things being done. More items are better for the list, but each item should be short. SEOC hours will continue to be from 8a to 8p on Saturday, Sunday, and Monday. The #1 focus is on the pods, for distribution of water resources to Flint. If necessary, the field teams will support these pods if there is a need.

(FIO) Requested better coordination w. Gov, etc.

Capt; Op hours 8-8 'til stabilized. Please arrange staffing. Leave contact info if not represented here
JIC: be prepped for legislative call w. Cap + FCO when a response received on request.
Wanna increase MNG from 50 to over 65, but needs approval first. Some groups doing mobile testing.
SEOC briefing on stress + emotions, handouts w. tips. Take a minute to obtain + read.
Lt Gov [redacted] is here
Lt Gov offers thanks + appreciation. Anxiety level in Flint is being reduced. Immediate needs being met - longer term can be focused on. Thx for hi-level of professionalism under trying + difficult circumstances

Amanda sitreps 6pm. Next briefing tomorrow 9am.

January 15, 2016 SECC briefing @ 4pm

MSP Planning (Amanda Bressler): goes over upcoming battle rhythm items.

MSP Operations (Rabe Covey): must ensure adequate supplies, pods + volunteer. Obtain volunteer #s for tomorrow.

H&H + Env. Branch

DPHHS (Kathy Weld): getting addresses for medically-dependent persons. Following up on the list issue from this morning. Offer from SPHSA to activate hot line. (Couple other things too fast)

MPHD (Brad Deacon): training staff to test samples, prep + visit sites.

WWT (Alysha Re-asle): Helping DEQ w school water testing (1st report too fast)

DEQ (Tenbuß): plan coordinator establishing teams for school water testing. Feb. 6 whole program running. Next weekend - 2600 test kits left in the pods for that 2 days. ~1100 test kits coming in today. Ordered another 25K in next couple. More than one test kit per home since event started. Labs staying open on wknd + holiday

Human Svcs Bur (Rich Nelen): procuring filter + replacement cartridges >$30 ea. Requested after-hrs contact person.

MDOE (Kirk Walters): wkg w CIV rights for student + staff counts for all educ instit. to distrib message

DPHHS (?): A few IRad hiccups cleared up fine this afternoon. (Jeanette? 32,000 available thru Home Depot, (something)

AHS (Steve Betterly): send another 80+ addresses over, from local area agency on aging, for mapping. wkg on Recovery Resource Guide

ARC (Paul Spath): 9 Vol. Reception Ctrs putting supplies in field. Coffee provided for volunteers, JIC, etc tomorrow will actually provide meals. 20 volunteers assigned tomorrow (kit assembly. Warehouse + inventory mgt continues,

— end of AM sess

MSP Pub Sfty (Matt Bolger): wkg on distrib mechanism w ARC. Wanna pre-load trucks in night. 50K+ homes visited. 64 vol's. (#s refined Sat)

Corrections (?) Adding 2 24' trucks + drivers. Wkg to add 5 more for next period,

MDMVA (?) 311 soldiers active Jan 16, OIC, 32 across 5 pods.

MDT (Commutative Dell): Rec'd acct of 300+ bridges ready for wkend. 30 add'l Pads, GIS to load software onto Dumpster to Clio Rd. Notify of addl traffic to state lab over wkend.

local EMHSD liaison (? garbled name): wkg to reestablish local fire stations as (dist receiving pts) (Capt: Mayor said samples will not be need there. must have consistent message

MSP Logistics (Wendy): 2 sites still open but moving to 1 at Clio Rd warehouse. Want 9/20 vehicles pre-loaded tonight. Only 4 sec water won't be frozen. Rack parkas on their way - to ARC + EOC locations.

MSP Plg (Amanda): (something...) warehouse data, app #s, something else should be available to analyze

Recovery Bch (Brianne B): Good progress today. Plan in place. Supply pods first, then teams. Preload, then resupply available if needed

ARC (Lauren) wanna increase resource teams + daily volume to 400 households.

PIO (Nicole): Capt K gave legislative briefing. Updated talking pts. Wanna issue news release w. specific #s, personnel + resources distrib. Still need to confirm some #s before release can be made. ARC news rel delay ~2 days. MSU's could still get news release out today. MDHHS has new blood level results, to go online ASAP. Inquiry from Chelsea reg AHS re: donated water + WalMart truck. Prefer coordinate statewide response over individ offices. Nichole at Co office bldg all day due to Gov + Mayor meetings. Still awaiting staffing at PIO at JIC and Wednesday will site info on 211 + other info. Confusion re: FEMA not source of all

Mike Sobocinski's notes on January 15, 2015 - 2nd daily SEOC briefing (4:00am):

MSP SEOC Planning Section (Amanda Bresler): Goes over upcoming battle rhythm items.

MSP SEOC Operations (Gabe Covey): Must ensure adequate supplies at the pods and the warehouse. Obtain volunteer numbers for tomorrow.

(Health and Environmental Branch: includes the next several agencies, including Red Cross)

MDHHS (Kathy Wald): Getting addresses for medically dependent persons. Following up on "the lab issue from this morning." Offer from SAMSA (?) to activate hot line. [A couple other items, too fast to capture in notes.]

MDARD (Brad Deacon): Training staff to be able to test samples, prepare and visit sites.

MDLARA (Alisha Gensler?): Helping DEQ with school water testing. [1st comments to fast to capture in notes.]

MDEQ (Jen Wolf): Plan coordinator is establishing teams for the school water testing. By February 6, the whole program will be running, but by next weekend, (some initial, more urgent parts of it will be implemented?) 2600 test kits left in the pods (?something about 2 days?). About 1100 test kits coming in today. Have ordered another 28,000, to arrive in the next couple of weeks. The total amounts to more than one test kit per Flint home since the declaration started. Labs are staying open on the weekend and the Monday holiday.

"Human Services Branch" (Rich Thelen): Processing filter and replacement cartridges – more than 30,000 each. Requested after-hours contact person [I didn't catch where or with whom].

MDOE (Kevin Walters): Working with Civil Rights for student and staff counts for all educational institutions, to deliver the EPA message.

MDHHS (don't know who?) A few I-Pad "hiccups" were clearing up well this afternoon. (Jeannette Doll, MDTMB: over 30,000 [of something] are available through Home Depot.)

MOSA? "Aging and Adult Services" (Steve Betterly): We've sent more than 80 additional addresses to GIS, from the local area agency on aging, for mapping. Working on the Recovery Resource Guide.

ARC (Paul Spata): Operating the Volunteer Reception Center, putting supplies in the field. Coffee was being provided for volunteers, the JIC, etc., and tomorrow this will expand to actually provide meals. 20 volunteers are assigned tomorrow (for kit assembly?) The warehouse and inventory management activity continues.

MSP Public Safety (Matt Bolger): Working on distribution mechanism with ARC. Want to pre-load trucks during the night. Over 50,000 homes visited [I'd caught this information correctly]. Volunteer staffing numbers were provided for the coming 3-day weekend period.

MDOC (don't know who?): Adding two 24-foot trucks and drivers. Working to add 5 more for the next operational period.

MDMVA (don't know who?): 34 soldiers active—a couple in the Genesee County EOC and the JIC, and the remaining 32 distributed across the 5 pods.

MDTMB (Jeannette Doll): Received notification of more than 300 identification badges ready to be used this weekend. 30 additional I-Pads, which SEOC GIS will load software onto. A dumpster is headed to Clio Road. Notify that additional traffic will be going to the state lab over the weekend.

Local EOC EMHSD liaison (?garbled name over phone?): Working to re-establish local fire stations as (distribution/receiving points?). (Capt. Kelenske: The mayor said that samples will not be received there. We must have a consistent message on this topic.)

MSP SEOC Logistics Section (Wendy Galbreath): Two sites are still open, but are moving to consolidate to one at Clio Road warehouse. We want 4 out of the 20 vehicles to be pre-loaded tonight—only 4, so that water won't be frozen in the outdoor temperatures. Rain parkas are on their way to ARC and EOC locations.

MSP SEOC Planning Section (Amanda Bresler): [something…] warehouse data, app numbers, [something else] numbers should therefore be available here to analyze.

SEOC Recovery Branch (MSP Brianna Briggs): Good progress today. Plan in place. Supply the pods first, then the teams. Pre-load vehicles with potentially everything needed throughout day, with a resupply then available if needed.

ARC (Lauren Twohig): We want to increase resource teams and daily volume, to increase the number of households reached.

PIO (Nicole Lisabeth): Capt. Kelenske gave a legislative briefing. We updated the talking points. We'd like to issue a news release containing specific numbers on personnel and resource distribution, but we still need to confirm some of these numbers before the press release can be made. The ARC news release will probably be delayed a couple of days. The MING could still get a news release out today. MDHHS has new blood level test results, to be placed online as soon as possible. An inquiry was received from Jackson, MI regional HHS regarding donated water plus a Wal Mart truck, but it is best to have a coordinated statewide response over separate individual agency activities. Media were at the Genesee County office building all day today, due to Governor and Mayor meetings. Still awaiting a city PIO at the JIC. Updating web site information on 2-1-1 and other topics. Confusion exists regarding FEMA, which is not actually a source of the water so far. The JIC is getting requests (media and legislative) for the presidential declaration request letter itself. The Governor did release yesterday's letter to Detroit newspapers. (Capt. Kelenske: concerned that information from such a release is not final, and therefore will require clarification.) We're requesting better coordination with Governor's office, etc.

Capt. Kelenske: SEOC operating hours are still 8am to 8pm until the situation stabilizes. Please arrange staffing for your agency. Leave contact information if not directly represented by a person at the SEOC. The JIC should be prepared for an upcoming legislative call with the Captain and FCO, when a response is received on the declaration request. We want to increase MING staff from 50 to over 65, but that will need to be approved first. A group [I didn't note who] is doing some sort of mobile testing in Flint. There was an SEOC briefing on stress and emotions, providing handouts with tips—take a minute to obtain and read those. The Lieutenant-Governor is here.

Lt. Gov. Brian Calley: Offering thanks and appreciation. The anxiety level in Flint is being reduced. As immediate needs are being met, longer-term aspects can be more focused on. Thanks for the high level of professionalism under trying and difficult circumstances.

MSP Amanda Bresler: Situation reports due at 6pm. Next briefing will be tomorrow at 9:30am.

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REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare an Expedited Major Disaster with a Preliminary Damage Assessment to follow if a disaster declaration occurs, and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River in 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of physicians at Hurley Medical Center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for blood lead levels. Of those tested, fifty residents have exhibited elevated blood lead levels. Twenty eight of the persons found to have elevated blood lead levels are children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The MDHHS has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a significant economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned, and we are assuming it can't be used for potable purposes. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals Assistance Program will be essential to recovery.

NOT FOR DISTRIBUTION

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, a Volunteer Reception Center (VRC) was established, and the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) conducted a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance – ~~IHP~~, and Public Assistance – ~~Category B~~, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information addresses the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households. The EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – Geographic Information System Unit (GIS)

On Friday, January 8, 2016, GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present need significant updating before an accurate picture can be created.

DPW estimates that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, GIS staff have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, older sections of the city tend to have sparse concentrations of lead, but the records for these areas are often incomplete.

In order to effectively determine the scope of the affected area, EMHSD is working with DPW and the University of Michigan–Flint to digitize many of DPW's old analog maps in order to extract the pipe status. Even when this process is complete, however, it will remain unclear whether the information will be accurate, given the age of the source data. With the comprehensive water testing plan that the Michigan Department of Environmental Quality (MDEQ) is implementing, problem areas for the city will be identified to allow for manual inspections of the underground pipes to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The National Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services (MDHHS) – Health Division

The MDHHS is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. This emergency potentially could impact the capacity of the MDHHS to continue to undertake its public health work in other areas of the state.

The MDHHS continues to work closely with local partners to ensure that potentially impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). This includes working closely with the local primary care provider community and Women/Infants/Children (WIC) clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The MDHHS updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October 2015, MDHHS initiated community outreach for distribution of educational materials to parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready-to-Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

While the extent of the impact is unknown, a worst-case-scenario impact of this emergency could result in significant future health costs to the impacted population, for direct medical needs, secondary and tertiary medical expenses, and secondary and tertiary prevention (education and nutrition).

Department of Health and Human Services – Human Services Division

The City of Flint is categorized as a food desert. The Human Services Division of the MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods: MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card (SNAP assistance) but still require additional healthy fruits and vegetables beyond what they can obtain through the SNAP program. Other residents who have had elevated blood lead levels may not have a Bridge Card, but purchasing fresh fruits and vegetables still can be a burden due to higher costs.

The plumbing in some homes is in poor condition. As a result, the faucet filters may not fit. The cost of paying for city water that the residents cannot drink is also significant. Some residents may have to make a choice between buying food or to paying for water to flush toilets, bathe, and wash clothes. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of four, with leaks, etc., it could amount to more than $150 per month.

Additional ongoing testing will be required for those with EBLLs. Other potential long-term expenses may include treatment, tutoring, behavior specialists, and mental health services.

Flint is one of the most impoverished areas in Michigan. State and city poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 8.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially between 2006 (25.4%) and 2012 (31.8%).
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP) increased from 35.4% in 2006 to 47% in 2013.
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data," shows the numbers of recipients of benefit programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP) [SNAP]	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Talent and Economic Development (MDTED)

The MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

The MTED's combined efforts are focused on short- and long-term assistance to the impacted communities through various grants and potential infrastructure assistance. MSHDA has identified

allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources and studies, MTED determined potential long-term impacts to the economy of Flint and its residents resulting from the water crisis. Potential long term costs associated with certain blood lead levels could include lifetime earnings loss, lead health care treatment costs, ADHD treatment costs, and special education costs.

With input from the Department of Treasury, MDTED assessed that the most significant potential negative impact may be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters may leave the city). Residents and businesses may also have to continue to pay extra for bottled water, so the extra spending on water could take away from other spending. It would be relatively easy for residents to move some of their economic/spending activity outside the city, which could contribute to an economic downturn in Flint. Long-term, there may be the significant cost of a new water system over and above the health related costs, estimated by the MDHHS.

Department of Environmental Quality (MDEQ)

The MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal Safe Drinking Water Act. The City of Flint began using the Flint River for drinking water in May 2014.

On October 1, 2015 the State Chief Medical Executive confirmed Hurley Children's Hospital blood lead level data. On this same day, the Genesee County Health Department issued a "Do Not Drink" advisory to the customers of the Flint Water Treatment Plant. On October 15, 2015 the Michigan State Legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the Detroit Water System (DWSD), and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services. On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karagnondi Water Authority is scheduled to be completed in mid to late 2016.

The MDEQ estimates its cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The MDEQ staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Agriculture and Rural Development (MDARD)

Part of the MDARD's coordinated outreach includes contact with businesses, particularly food-related businesses, to evaluate the safety of the water they use in their products. Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They have also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help

address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). All establishments received a letter in October 2015 with guidance and will receive revised guidance over the next few days. There are 97 gas stations within the city which are within those food license numbers. We are planning additional outreach to them as part of our efforts. ,

No animal licensed shelters exist in the water service area. The primary focus is and should be on residences where they may also have pets. There are two veterinary clinics in the City, and we have made individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

The MDARD has been in close coordination with the MDEQ, The MDHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. The MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Education (MDE)

The MDE is monitoring all child nutrition program providers operating in the Flint area. MDE food service program staff is working with all school meal operators and child and adult care operators to ensure they take all proper precautions if they have unsafe water.

Department of Insurance and Financial Services (DIFS)

The DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer. The potential losses experienced in Flint may not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the MDEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Licensing and Regulatory Affairs (LARA)

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following MDEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating the cost for replacement at $55 million.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014. In response to these disasters, in addition to Stafford Act assistance from DR-4195, the State has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau have successfully addressed the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG), in cooperation with the Urban Studies Center at Wayne State University, estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is more than double the national rate. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially with lead which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5-year average, a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

In the October, 2015, to December, 2015, time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures require approximately $9.55 million to keep Flint on Detroit water until Karagnondi water is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate lead service lines on their properties.

The City's water system has been affected by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source appears to have decomposed and it is likely that some of the underlying lead pipes and lead solders began to leach into the water. Ultimately, this may have contributed to significant EBLL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The University of Michigan–Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief

assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

Sobocinski, Mike (MSP)

From: McCarthy, Joyce (MSP)
Sent: Wednesday, February 17, 2016 9:48 AM
To: Anderson, Nikkia (MSP); Barcroft, Jaclyn (MSP); Bouffard, Donald (MSP); Chomentowski, Walter (MSP); Law, Richard (MSP); McCarthy, Joyce (MSP); McCormick, Matthew (MSP); Porcello, James (MSP); Suarez, Malyssa (MSP); Tchorzynski, James (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP); Hardy, Raquel (MSP); Hartner, Brenna (MSP); Nix, Gary (MSP)
Subject: FW: URGENT - Records Request - due 2/18/16 - More information

Importance: High

Please bundle your printed FIOA information and put your name on the top and give you Jodie Frese by COB tomorrow.

Let me know if you have any additional questions.

Joyce

From: Zarotney, Greg (MSP)
Sent: Thursday, February 11, 2016 5:01 PM
Subject: URGENT - Records Request
Importance: High

The department has been directed to provide copies of all records in our possession related to the Flint water matter to the Governor's office. You are receiving this email because you have been identified as an individual who may have records that must be produced. If there are any department members who you think may be in possession of records related to Flint water, please forward this message to those members.

Records include memos, handwritten notes, emails and attachments, and text messages in your possession, regardless of who produced the record. Be sure when you search your email messages that you look in your inbox, sent box, and trash. In preparation for the production, you must estimate the number of records you have in your possession and provide that estimate to Ms. Lori Hinkley no later than **2:00 PM on Friday, February 12, 2016.**

You must then provide a copy of each record in your possession to the Legislative and Legal Resources Section no later than close of business on **Thursday, February 18, 2016.**

Members who work at Headquarters must provide paper copies to F/Lt. Chris Hawkins in the Office of the Director. Members who work at the State Secondary Complex must provide a paper copies Ms. Lori Hinkley. Ms. Hinkley is located on the second floor of the new Headquarters building. Department members who work outside of these worksites may send copies of records in their possession via e-mail to MSP-FOIAProject@michigan.gov.

In addition to this initial production of records, the department is required to provide copies of newly created records on an ongoing basis. Until further notice, copies of all newly created records shall be forwarded to MSP-FOIAProject@michigan.gov.

REMINDER: Public records can only be disposed of consistent with an approved retention schedule. As it applies to emails and text messages related to the Flint water matter, please use the retention schedule in place for general correspondence which is **two years.** Please save all emails and text messages for at least two years. Prior to expiration of the two year period you will have an opportunity to re-evaluate the content of the messages to determine if an

additional retention period is necessary. If you have issues with accommodating emails based on your mailbox size, please archive them. Do not print and file them as the metadata must be retained as well.

If you have any questions with these instructions, please contact Ms. Lori Hinkley.

Capt. Greg Zarotney
Michigan State Police
Office of the Director
333 South Grand Avenue
Lansing, Michigan 48909
(517) 241-0204

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Sobocinski, Mike (MSP)

From: MSP-SEOCOPSC
Sent: Wednesday, February 17, 2016 8:41 AM
To: Abendroth, Anne (MSP); Anderson, Nikkia (MSP); Asbridge, Daniele (MSP); Baker, Zachary (MSP); Barcroft, Jaclyn (MSP); Bouffard, Donald (MSP); Bresler, Amanda (MSP); Briggs, Brianna (MSP); Brown, Don (MSP); Burger, Penelope (MSP); Chomentowski, Walter (MSP); Covey, Gabriel (MSP); Davis, Kristi (MSP); Day, Kari (MSP); Daymon, Kristi (MSP); Decastro, Michael (MSP); Downs, Nancy (MSP); Eickholt, Jay (MSP); Frese, Jodie (MSP); Galbreath, Wendy (MSP); Garza, Oralya (MSP); Georgopoulos, Carly (MSP); Gilsdorf, Michelle (MSP); Graham, Mitch (MSP); Hampton, Jacqueline (MSP); Hardy, Raquel (MSP); Hawks, Trevor (MSP); Heintzelman Shasta; High, Kenneth (MSP); Hollaender, Henrik (MSP); Jenness, Kevin (MSP); Jonker-Burke, Samuel (MSP); Katarsky, Anthony (MSP); Kelenske, Chris (MSP); Kuzera, Michelle (MSP); Laban, Diane (MSP); Law, Richard (MSP); Leix, Ron (MSP); Mankowski, Mary (MSP); Martin, June (MSP); McCarthy, Joyce (MSP); McCormick, Matthew (MSP); McQueen, Nate (MSP); Nix, Gary (MSP); Nobach, Tonya (MSP); Osborn, Renee (MSP); Pepper, Joel (MSP); Porcello, James (MSP); Reese, Jaqueline (MSP); Richmond, Kim (MSP); Roach, Billie Jo (MSP); Russo, Mark (MSP); Schnepp, Matt (MSP); Schroeder, Eric (MSP); Sekmistrz, Nicholas (MSP); Sheaffer, Richard (MSP); Sobocinski, Mike (MSP); Strobel, Pamela (MSP); Suarez, Malyssa (MSP); Tchorzynski, James (MSP); Theis, Stacy (MSP); Tober, Renee (MSP); Walter, Audrey (MSP); Weber, Thomas (MSP); Wolfinger, Carol (MSP); Yount, Jane (MSP); aabdunnabi@gmail.com
Subject: FW: FOIA Plan Update
Attachments: SEOC FOIA Plan FINAL.docx

Please review the attached plan for FOIA printing. The instructions are for when in the SEOC. Do not change your computer to the printer in the instructions, it is for use in the SEOC. Use the printer your computer is currently connected to for printing from your computer and personal email or use another one in the EMHSD office area. However, there is helpful information for use in any location. Please remember to ensure that your default printer settings are set for single sided printing before you begin.

From: MSP-SEOC10
Sent: Wednesday, February 17, 2016 8:22 AM
To: MSP-SEOCOPSC
Subject: FOIA Plan Update

SEOC FOIA Print Plan
Tips for Printing

Print Plan – Thru Friday, February 19

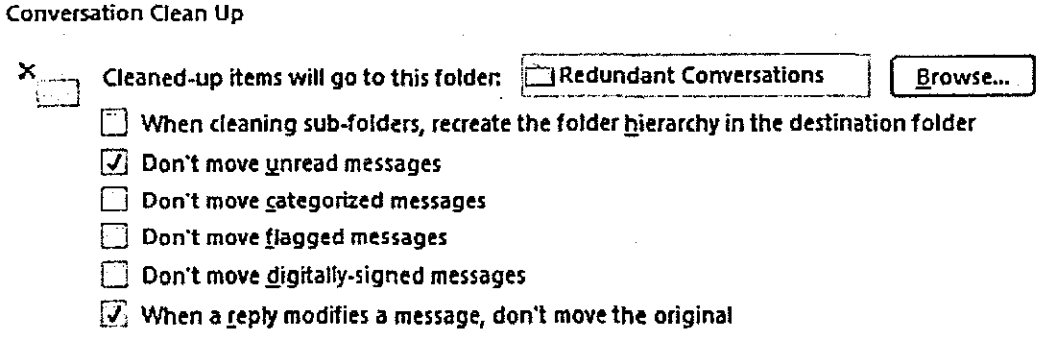
- When printing emails/documents, make sure to **change your default printer** to the following printer:
  - EOC_F1COMM_RI3054 on EOC084M1OAPF502 (located in the Communications Room)
  - *Additional helpful hints for each document type below*
- SEOC IT staff will set up to "Print to Hold" for each PC in the SEOC.
- Be sure to print/copy all documents **Single Sided.**
- Advise the SEOC Operations Section Chief prior to printing. **Do not interrupt someone else's print job.** The SEOC Operations Section Chief will ensure coordinated printing efforts.
- When at the printer, select Print > Select your agency name > Select All > Print.
- Test printing a couple of emails before printing out a large quantity.
- Once all items have been printed/copied, give all to Oralya Garza or Jodie Frese (daily staff) located just outside Governor's Conference Room A in the SEOC. **Do not go direct to FOIA Unit staff working in the conference room.** They will reach out if they have any questions.
- Make sure to clip or rubber band your information to keep separate from others information being turned in.
- Sources: Emails, Documents, S drive, Desktop, Cell phone/text messages, Copies of handwritten notes, DCDS, Invoices, Photos
- SEOC IT Staff will be responsible for printing all documentation from MI CIMS.
- For any IT issues, contact IT Staff in the SEOC. This is usually Jaclyn Barcroft or Rich Law. GIS staff should be contacted only if both of them are unavailable.

How to Recover Deleted Emails

- In Outlook, select the Folder Tab.
- On the top, select *Recover Deleted Items.*
- Recover any items pertinent to the Flint Water response.
- You may need to select various folders on the left side in order to recover everything possible.

How to Clean up Redundant Email Conversations

- In Outlook, click on the File tab.
- Click Options.
- Click Mail.
- Under the Conversation Clean Up section, change the location where conversations will go. Select Browse. Click on "Cabinet" in the list. Select "New Folder" and name it "Redundant Conversations." Ensure the options are identical to the below:



- In Outlook, on the Home tab, in the Delete group, click Clean Up.
- Select Clean Up Folder. Click Clean Up Folder.

SEOC FOIA Print Plan
Tips for Printing

Tips for Printing Emails

- For State Agency SEOC personnel, **only** print emails from your SEOC email address.
- Print emails by selecting **up to 100 at a time** (select one, hold shift, click on the last one).
    - Select the File Tab > Print > Click Print Options button > Select Memo Style and Check Box for "Print Attached Files" (bottom left corner of pop up) > Select Print
- Attachments will not show up in the preview, but will print out with the emails

Tips for Printing Documents from Desktop, S Drive, My Documents (wherever files are saved)

- Make sure documents are formatted correctly for printing prior to moving to the next steps (Excel files tend to be the most troublesome).
- Sort documents in folders by "Type".
- Highlight "like" file types (Adobe Acrobat Document, Microsoft Excel Worksheet, etc.).
- Right click, select Print.

Tips for Printing Text Messages

- Android
- iPhone

Email – After All Your Files are Printed

- Send a CC to the following email address when sending items from the SEOC:
    - MSP-FOIAProject@michigan.gov
    - For State Agency SEOC personnel, **only** CC emails from your SEOC email address
- Send all documents created to the same email address

Sobocinski, Mike (MSP)

From: Rex LaMore <lamore@msu.edu>
Sent: Wednesday, February 17, 2016 7:55 AM
To: Sobocinski, Mike (MSP)
Subject: Re: Flint Emergency

Thanks Mike, much appreciated. This event in Flint certainly reminds us of the importance of having contingency plans for community emergencies.

Rex L. LaMore
Sent from my iPad

> On Feb 16, 2016, at 3:34 PM, Sobocinski, Mike (MSP) <SobocinskiM@michigan.gov> wrote:
>
> Hello -
>
> A co-worker had found water reports using general web searches,
> leading to places like the following:
> https://www.cityofflint.com/wp-content/uploads/CCR-2014.pdf
>
> A communications strategy is not something I've ever been involved in, so I had to check around to see which of our personnel knows the most about that. Our Public Information Officer might be the best person to talk with... The current person on duty is Kevin Sweeney, who can be reached today at his cell number (517-719-1195) to obtain more information about that subject.
>
> Thanks,
> Mike
>
> -----Original Message-----
> From: Rex LaMore [mailto:lamore@msu.edu]
> Sent: Tuesday, February 16, 2016 3:05 PM
> To: Sobocinski, Mike (MSP)
> Subject: RE: Flint Emergency
>
> Thanks Mike...where would the utility reports be if we wanted to look at them?
>
> We have an office in Flint, with a community development agent Bob Brown who has been working on community and economic development projects for MSU with local partners.
> Well with this water emergency he has been called into several other activities in the area as you can imagine...one is a communication strategy for how to get the word out to residents on issues/practices...if that an area I might have him talk to you about...how to set up an effective communication strategy in times of a crisis?
>
> Thanks Mike for your consideration.
> Rex LaMore
>
> Rex L. LaMore, Ph.D.
> Director
> Center for Community and Economic Development University Outreach and
> Engagement Michigan State University

> 1615 E. Michigan Ave.
> Lansing, Michigan 48912
> tel:
> fax: 517/884-6489
> e-mail: lamore@msu.edu
> web: http://www.ced.msu.edu
>
> "If we are to achieve results never before accomplished, we must
> employ methods never before attempted."
> Sir Francis Bacon
>
>
>
> -----Original Message-----
> From: Sobocinski, Mike (MSP) [mailto:SobocinskiM@michigan.gov]
> Sent: Tuesday, February 16, 2016 1:47 PM
> To: Rex LaMore <lamore@msu.edu>
> Subject: RE: Flint Emergency
>
> Hello -
>
> The City of Flint was an active participant approved under the Genesee County Hazard Mitigation Plan. Although FEMA only requires a hazard mitigation plan to consider natural hazards, the county plan did include a general section on infrastructure failures. The Michigan Hazard Mitigation Plan had included some information as well, but the most extensive detail is actually found within utility reports for the area. These reports are all viewable through the internet.
>
> A great many of the personnel in my division have coordinated and shared in the activities since the emergency declaration. I have had some involvement so far, and am scheduled to provide more assistance during at least the next couple of weeks.
>
> Thanks,
>
> Mike Sobocinski
> Hazard Mitigation Planning Specialist
> Emergency Management and Homeland Security Division Michigan State
> Police
>
> PLEASE NOTE: Effective February 1, 2016, the State and Local Support Section / Emergency Management and Homeland Security Division has moved. My new contact information is now:
>
> Phone: 517-284-3947
> Fax: 517-284-3857
> Physical Address:
> 7150 Harris Drive
> Dimondale, Michigan 48821
>
> Mailing Address: PO Box #30634 Lansing, Michigan 48909
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
>
>

>
>
> -----Original Message-----
> From: Rex LaMore [mailto:lamore@msu.edu]
> Sent: Tuesday, February 16, 2016 1:02 PM
> To: Sobocinski, Mike (MSP)
> Subject: Flint Emergency
>
> Hey Mike, hope you are doing well. I have been wondering has your expertise been mobilized to assist with the Flint water emergency?
>
> Did Flint do a hazard mitigation plan, did they include an infrastructure failure like this in the plan?
>
> Do many communities include plans for this kind of event? I imagine you are considering the implications of this for hazard mitigation planning.
>
> All the best,
>
> Rex L. LaMore
> MSU Urban and Regional Planning Program Sent from my iPad
>

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, February 16, 2016 3:34 PM
To: Rex LaMore
Subject: RE: Flint Emergency

Hello -

A co-worker had found water reports using general web searches, leading to places like the following:
https://www.cityofflint.com/wp-content/uploads/CCR-2014.pdf

A communications strategy is not something I've ever been involved in, so I had to check around to see which of our personnel knows the most about that. Our Public Information Officer might be the best person to talk with... The current person on duty is Kevin Sweeney, who can be reached today at his cell number to obtain more information about that subject.

Thanks,
Mike

-----Original Message-----
From: Rex LaMore [mailto:lamore@msu.edu]
Sent: Tuesday, February 16, 2016 3:05 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint Emergency

Thanks Mike...where would the utility reports be if we wanted to look at them?

We have an office in Flint, with a community development agent Bob Brown who has been working on community and economic development projects for MSU with local partners.
Well with this water emergency he has been called into several other activities in the area as you can imagine...one is a communication strategy for how to get the word out to residents on issues/practices...if that an area I might have him talk to you about...how to set up an effective communication strategy in times of a crisis?

Thanks Mike for your consideration.
Rex LaMore

Rex L. LaMore, Ph.D.
Director
Center for Community and Economic Development University Outreach and Engagement Michigan State University
1615 E. Michigan Ave.
Lansing, Michigan 48912
tel:
fax: 517/884-6489
e-mail: lamore@msu.edu
web: http://www.ced.msu.edu

"If we are to achieve results never before accomplished,
we must employ methods never before attempted."
Sir Francis Bacon

-----Original Message-----
From: Sobocinski, Mike (MSP) [mailto:SobocinskiM@michigan.gov]
Sent: Tuesday, February 16, 2016 1:47 PM
To: Rex LaMore <lamore@msu.edu>
Subject: RE: Flint Emergency

Hello -

The City of Flint was an active participant approved under the Genesee County Hazard Mitigation Plan. Although FEMA only requires a hazard mitigation plan to consider natural hazards, the county plan did include a general section on infrastructure failures. The Michigan Hazard Mitigation Plan had included some information as well, but the most extensive detail is actually found within utility reports for the area. These reports are all viewable through the internet.

A great many of the personnel in my division have coordinated and shared in the activities since the emergency declaration. I have had some involvement so far, and am scheduled to provide more assistance during at least the next couple of weeks.

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division Michigan State Police

PLEASE NOTE: Effective February 1, 2016, the State and Local Support Section / Emergency Management and Homeland Security Division has moved. My new contact information is now:

Phone: 517-284-3947
Fax: 517-284-3857
Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address: PO Box #30634 Lansing, Michigan 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

-----Original Message-----
From: Rex LaMore [mailto:lamore@msu.edu]
Sent: Tuesday, February 16, 2016 1:02 PM
To: Sobocinski, Mike (MSP)
Subject: Flint Emergency

Hey Mike, hope you are doing well. I have been wondering has your expertise been mobilized to assist with the Flint water emergency?

Did Flint do a hazard mitigation plan, did they include an infrastructure failure like this in the plan?

Do many communities include plans for this kind of event? I imagine you are considering the implications of this for hazard mitigation planning.

All the best,

Rex L. LaMore
MSU Urban and Regional Planning Program Sent from my iPad

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Sobocinski, Mike (MSP)

From: MSP-SEOCPIO
Sent: Tuesday, February 16, 2016 3:30 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint Emergency

Sounds good. My cell is 517-719-1195 if he wants to call me....thanks!

State Emergency Operations Center
Public Information Officer
517-284-3882

-----Original Message-----
From: Sobocinski, Mike (MSP)
Sent: Tuesday, February 16, 2016 3:28 PM
To: MSP-SEOCPIO
Subject: RE: Flint Emergency

I received a follow-up message and have drafted the following response, for approval. If it makes sense to include the reference to the PIO in this response, should this be forwarded to Ron Leix?
Thanks,
Mike

>>>>
Hello -

A co-worker had found water reports using general web searches, leading to places like:
https://www.cityofflint.com/wp-content/uploads/CCR-2014.pdf

A communications strategy is not something I've ever been involved in, so I would have to check around to see which of our personnel knows the most about that. Our Public Information Officer might be the best person to talk with about that...

Thanks,
Mike

-----Original Message-----
From: Rex LaMore [mailto:lamore@msu.edu]
Sent: Tuesday, February 16, 2016 3:05 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint Emergency

Thanks Mike...where would the utility reports be if we wanted to look at them?

We have an office in Flint, with a community development agent Bob Brown who has been working on community and economic development projects for MSU with local partners.

Well with this water emergency he has been called into several other activities in the area as you can imagine...one is a communication strategy for how to get the word out to residents on issues/practices...if that an area I might have him talk to you about...how to set up an effective communication strategy in times of a crisis?

Thanks Mike for your consideration.
Rex LaMore

Rex L. LaMore, Ph.D.
Director
Center for Community and Economic Development University Outreach and Engagement Michigan State University
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Lansing, Michigan 48912
tel:
fax: 517/884-6489
e-mail: lamore@msu.edu
web: http://www.ced.msu.edu

"If we are to achieve results never before accomplished,
we must employ methods never before attempted."
Sir Francis Bacon

-----Original Message-----
From: Sobocinski, Mike (MSP) [mailto:SobocinskiM@michigan.gov]
Sent: Tuesday, February 16, 2016 1:47 PM
To: Rex LaMore <lamore@msu.edu>
Subject: RE: Flint Emergency

Hello -

The City of Flint was an active participant approved under the Genesee County Hazard Mitigation Plan. Although FEMA only requires a hazard mitigation plan to consider natural hazards, the county plan did include a general section on infrastructure failures. The Michigan Hazard Mitigation Plan had included some information as well, but the most extensive detail is actually found within utility reports for the area. These reports are all viewable through the internet.

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Thanks,

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Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division Michigan State Police

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Dimondale, Michigan 48821

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-----Original Message-----
From: Rex LaMore [mailto:lamore@msu.edu]
Sent: Tuesday, February 16, 2016 1:02 PM
To: Sobocinski, Mike (MSP)
Subject: Flint Emergency

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Did Flint do a hazard mitigation plan, did they include an infrastructure failure like this in the plan?

Do many communities include plans for this kind of event? I imagine you are considering the implications of this for hazard mitigation planning.

All the best,

Rex L. LaMore
MSU Urban and Regional Planning Program Sent from my iPad

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, February 16, 2016 1:47 PM
To: Rex LaMore
Subject: RE: Flint Emergency

Hello -

The City of Flint was an active participant approved under the Genesee County Hazard Mitigation Plan. Although FEMA only requires a hazard mitigation plan to consider natural hazards, the county plan did include a general section on infrastructure failures. The Michigan Hazard Mitigation Plan had included some information as well, but the most extensive detail is actually found within utility reports for the area. These reports are all viewable through the internet.

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Thanks,

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Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division Michigan State Police

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-----Original Message-----
From: Rex LaMore [mailto:lamore@msu.edu]
Sent: Tuesday, February 16, 2016 1:02 PM
To: Sobocinski, Mike (MSP)
Subject: Flint Emergency

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All the best,

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Sobocinski, Mike (MSP)

From: MSP-SEOCPIO
Sent: Tuesday, February 16, 2016 1:45 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint Emergency

Mike-

Thanks for advising on the below. Your return email is fine. Please feel free to send it to Professor LaMore

Kevin S.

State Emergency Operations Center
Public Information Officer
517-284-3882

-----Original Message-----
From: Sobocinski, Mike (MSP)
Sent: Tuesday, February 16, 2016 1:40 PM
To: MSP-SEOCPIO
Subject: FW: Flint Emergency

Hello -

I received an inquiry (below, at bottom) from an MSU urban planning professor, about hazard mitigation planning for the Flint situation. I'm not sure whether all responses should go through the PIO, but I drafted the following reply and I'm wondering whether it sounds okay to send...
Mike

>>>>
Hello -

The City of Flint was an active participant approved under the Genesee County Hazard Mitigation Plan. Although FEMA only requires a hazard mitigation plan to consider natural hazards, the county plan did include a general section on infrastructure failures. The Michigan Hazard Mitigation Plan had included some information as well, but the most extensive detail is actually found within utility reports for the area. These reports are all viewable through the internet.

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Thanks,

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Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division Michigan State Police

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Dimondale, Michigan 48821

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-----Original Message-----
From: Rex LaMore [mailto:lamore@msu.edu]
Sent: Tuesday, February 16, 2016 1:02 PM
To: Sobocinski, Mike (MSP)
Subject: Flint Emergency

Hey Mike, hope you are doing well. I have been wondering has your expertise been mobilized to assist with the Flint water emergency?

Did Flint do a hazard mitigation plan, did they include an infrastructure failure like this in the plan?

Do many communities include plans for this kind of event? I imagine you are considering the implications of this for hazard mitigation planning.

All the best,

Rex L. LaMore
MSU Urban and Regional Planning Program Sent from my iPad

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, February 16, 2016 1:38 PM
To: SEOCPIO@michigan.gov
Subject: RE: Flint Emergency

Hello -

I received an inquiry (below, at bottom) from an MSU urban planning professor, about hazard mitigation planning for the Flint situation. I'm not sure whether all responses should go through the PIO, but I drafted the following reply and I'm wondering whether it sounds okay to send...
Mike

>>>>
Hello -

The City of Flint was an active participant approved under the Genesee County Hazard Mitigation Plan. Although FEMA only requires a hazard mitigation plan to consider natural hazards, the county plan did include a general section on infrastructure failures. The Michigan Hazard Mitigation Plan had included some information as well, but the most extensive detail is actually found within utility reports for the area. These reports are all viewable through the internet.

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Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division Michigan State Police

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Mailing Address: PO Box #30634 Lansing, Michigan 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

-----Original Message-----
From: Rex LaMore [mailto:lamore@msu.edu]

Sent: Tuesday, February 16, 2016 1:02 PM
To: Sobocinski, Mike (MSP)
Subject: Flint Emergency

Hey Mike, hope you are doing well. I have been wondering has your expertise been mobilized to assist with the Flint water emergency?

Did Flint do a hazard mitigation plan, did they include an infrastructure failure like this in the plan?

Do many communities include plans for this kind of event? I imagine you are considering the implications of this for *hazard mitigation planning.*

All the best,

Rex L. LaMore
MSU Urban and Regional Planning Program Sent from my iPad

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, February 16, 2016 9:42 AM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

My estimated schedule this week:
Thanks,
Mike

This week, February 16 to 19:
Section updates:
- 3 hours annual leave Tuesday pm, February 16 (Sobocinski)

Key Activities:
- Work in SEOC Planning Section, on the Flint emergency declaration activities: Wednesday PM shift and Friday AM shift (Sobocinski)
- Comply as needed with Flint FOIA requirements (Sobocinski)
- Complete revised MI-CEMKR PowerPoint and send to training section (Sobocinski)
- Coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters/inquiries from FEMA and local programs, as received. (Sobocinski)
- Thursday Feb. 18: 11am RiskMAP conference call, and 12:30pm-2p webinar (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Next week, February 22 to 26:
Section updates:
- 3 hours annual leave Tuesday PM, February 23 (Sobocinski)

Key Activities:
- Work in SEOC Planning Section, on the Flint emergency declaration activities: Tuesday AM shift (Sobocinski)
- Comply as needed with Flint FOIA requirements (Sobocinski)
- MCCERCC meeting Monday 2pm, including any needed prep/coordination with the presenter whom I had arranged there (Sobocinski)
- Friday 1pm webinar (Sobocinski)
- Coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters/inquiries from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Sobocinski, Mike (MSP)

From: Graham, Mitch (MSP)
Sent: Tuesday, February 16, 2016 8:43 AM
To: Weber, Thomas (MSP)
Cc: Sobocinski, Mike (MSP)
Subject: Weekly Activities List

Weekly Activities List for February 15 – February 19, 2016:

Section Updates: Paid Holiday, Monday Feb. 15th for Presidents Day
Key Activities:

- Provide direct assistance for the Branch County Hazard Mitigation Plan (so far I have completed 201 pages). (Graham).
- Help out with the declaration for the Flint Water Crisis if needed. (Graham).
- Work with Mike on a task to improve our tracking of local participants within county/regional hazard mitigation plans. (Graham, Sobocinski).
- Complete a FEMA course as part of my PEM renewal requirements at some point. (Graham).

External Meetings: (no updates)

Weekly Activities List for February 22 – February 26, 2016:

Section Updates: (no updates)
Key Activities:

- Provide direct assistance for the Branch County Hazard Mitigation Plan (so far I have completed 201 pages). (Graham).
- Help out with the declaration for the Flint Water Crisis if needed. (Graham).
- Work with Mike on a task to improve our tracking of local participants within county/regional hazard mitigation plans. (Graham, Sobocinski).
- Complete a FEMA course as part of my PEM renewal requirements at some point. (Graham).

External Meetings: (no updates)

Mitch Graham
Hazard Mitigation Planner
Planning and Program Development Section
Emergency Management and Homeland Security Division
Michigan State Police

PLEASE NOTE: Effective February 1, 2016, the Emergency Management and Homeland Security Division is moving. My new contact information will be:

Phone: 517-284-3974
Fax: 517-284-3857
Physical Address:
7150 Harris Drive
Dimondale Michigan 48821

Mailing Address:
PO Box #30634,
Lansing, MI 48909

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Sobocinski, Mike (MSP)

From: MSP-seoclgc
Sent: Friday, February 12, 2016 4:39 PM
To: Kelenske, Chris (MSP); Bowman, Kyle (MSP); Banner, Shanon (MSP); High, Kenneth (MSP); Hampton, Jacqueline (MSP); Nobach, Tonya (MSP); Davis, Kristi (MSP); Yount, Jane (MSP); Gilsdorf, Michelle (MSP); McCarthy, Joyce (MSP); Laban, Diane (MSP); Barcroft, Jaclyn (MSP); Jonker-Burke, Samuel (MSP); Bresler, Amanda (MSP); Baker, Zachary (MSP); Sekmistrz, Nicholas (MSP); Tchorzynski, James (MSP); Weber, Thomas (MSP); Downs, Nancy (MSP); Hollaender, Henrik (MSP); Heintzelman Shasta; Roach, Billie Jo (MSP); Covey, Gabriel (MSP); Sweeney, Kevin (MSP); Bolger, Matt (MSP); Richmond, Kim (MSP); Mankowski, Mary (MSP); Law, Richard (MSP); Day, Kari (MSP); Graham, Mitch (MSP); Asbridge, Daniele (MSP); Burger, Penelope (MSP); Eickholt, Jay (MSP); Homant, Cynthia (MSP); Nix, Gary (MSP); Martin, June (MSP); Jenness, Kevin (MSP); Hardy, Raquel (MSP); Sobocinski, Mike (MSP); Thelen, Richard (DHHS); Johnson, Michael (MSP); Chomentowski, Walter (MSP); Strobel, Pamela (MSP); Katarsky, Anthony (MSP)
Subject: Schedule for 2/15-2/21/16
Attachments: SEOC EMHSD Staff Schedule February 2016.xlsx

Hello Everyone,

Please note that when you're scheduled in the SEOC but unable to respond to your shift you are responsible to find a replacement.

Thanks

State Emergency Operations Center
Logistics Section
517-284-3893

SEOC Staffing - Flint Water Issue

Feb-16	Mon, 2/15	Tues, 2/16	Wed, 2/17	Thurs, 2/18
State Director	Captain	Captain	Captain	Captain
Deputy State Director	Tony	Gabe	Tony	Tony
PIO				
SEOC JIC Liaison		F/Lt. Kevin Sweeney	F/Lt. Kevin Sweeney	F/Lt Kyle Bowman
JIC Manager	Shannon Banner (on-call)	Insp. Matt Bolger	Shanon Banner	Insp. Matt Bolger (noon)
Graphics/Web support				
Operations	Ken (8-2)/Jackie (2-8)	Ken (8-4)/Kim (4-8)	Kim (8-4)/Gabe (4-8)	Jackie (8-2)/Gabe (2-8)
Recovery				
Logistics	Tonya (8-4:30)/Kristi (3-8)	Tonya/Kristi (am)/Cindy (pm)	Tonya/Kristi (am)/Cindy (pm)	Tonya (am)/ Wendy (pm)
Supply	Jane (8-8)	Mary K (8-2) Jane (2-8)	Jane (8-2) Pam (2-8)	Jane (8-2) Mary K (2-8)
Food	Michelle/Joyce/Diane	Michelle/Joyce/Diane	Michelle/Joyce/Diane	Michelle/Joyce/Diane
Facilities/Comms	Jaclyn	Law	Jaclyn	Law
Planning	Sam & Amanda	Kari (am)/Amanda (pm)	Kari (am)/Joel (pm)	Carol (am)/Matt (pm)
Resources	Nick	Mitch & Nick (am) Sam (pm)	Nick (am)/Gary (pm)	Mitch (am)/Gary (pm)
Documentation	Zach	Daniele (am)/June (pm)	June (am)Mike (pm)	Raquel (am)/ Carol (pm)
Situation	Zach	Daniele (am)/June (pm)	June (am)/Mike (pm)	Raquel (am)/Carol (pm)
Mapping	Jim	Jim	Jim	Jim
VAL	Tom	Tom	Tom	Tom
Finance	Nancy 8 am - 8 pm	Penny 8 am - 2 pm Kevin 2 pm - 8 pm	Richard 8 am - 2 pm Nancy 2 pm - 8 pm	Kevin 8 am - 2 pm Penny 2 pm - 8 pm
Local EOC support Staff				
Planning Section Chief	Henrik	Henrik	Henrik	Henrik
Logistics Section Chief	Shasta	Shasta (primary), Jay may be avaliable	Jay	Jay
Operations Section Chief				
District Coordinator	Roach	Roach	Roach	Roach

Wendy is on AL 2/10-18

Fri, 2/19	Sat, 2/20	Sun, 2/21
Captain		
Gabe	Johnson	Tony
F/Lt. Kyle Bowman		
Insp. Matt Bolger		
Kim (8-2)/Jackie (2-8)	Jackie (8-2)/Kim (2-8)	Jackie (8-8)
Wendy (8-8)	Wendy (8-2)/Cindy(2-8)	Cindy (8-2) /Wendy (2-8)
Pam (8-2) Jane (2-8)	Pam (8-8)	Mary K (8-8)
Michelle/Joyce/Diane	Michelle/Joyce/Diane	Michelle/Joyce/Diane
Jaclyn	Law	Jaclyn
Carol (am)/Amanda (pm)	Amanda	Carol
Nick (am) Sam (pm)	Sam	Nick
Mike (am)/Zach (pm)	June	Zach
Mike (am)/Zach (pm)	June	Zach
Jim	Walter	Walter
Tom		
Penny 8 am - 2 pm Richard 2 pm - 8 pm	Richard 8 am - 8 pm	Penny 8 am - 8 pm
Henrik		
Jay		
Roach	Roach (remote)	Roach (remote)

EMERGENCY MANAGEMENT AND HOMELAND SECURITY DIVISION

Staff Contact information

Name	New Cisco 10 Digit Number	Cell	E-Mail
EMHSD Main Line		[redacted]	[redacted]
EMHSD Fax Line		[redacted]	[redacted]
Abendroth, Anne			AbendrothA@michigan.gov
Anderson, Nikkia		[redacted]	AndersonN9@michigan.gov
Asbridge, Daniele			AsbridgeD@michigan.gov
Baker, Zachary			BakerZ@michigan.gov
Barcroft, Jaclyn			BarcroftJ@michigan.gov
Bouffard, Don			BouffardD@michigan.gov
Bresler, Amanda			BreslerA@michigan.gov
Briggs, Brianna			BriggsB3@michigan.gov
Brown, Donald H.			BrownD43@michigan.gov
Burger, Penny			BurgerP@michigan.gov
Chomentowski, Walter			ChomentowskiW@michigan.gov
Covey, Gabe			CoveyG@michigan.gov
District Coordinator Office		[redacted]	[redacted]
Davis, Kristi			DavisK10@michigan.gov
Day, Kari			DayK1@michigan.gov
Daymon, Kristi			DaymonK2@michigan.gov
De Castro, Michael			DeCastroM@michigan.gov
Downs, Nancy		[redacted]	DownsN@michigan.gov
Eickholt, Jay			EickholtJ1@michigan.gov
Feldpausch, Kelsie		[redacted]	[redacted]
Frese, Jodie		[redacted]	FreseJ@michigan.gov
Galbreath, Wendy			GalbreathW@michigan.gov
Garza, Oralya			GarzaO@michigan.gov
Georgopoulos, Carly		[redacted]	GeorgopoulosC@michigan.gov
Gilsdorf, Michelle			GilsdorfM1@michigan.gov
Graham. Mitch			GrahamM5@michigan.gov
Hampton, Jacqueline			HamptonJ3@michigan.gov
Hardy, Raquel		[redacted]	HardyR@michigan.gov
Hawks, Trevor		[redacted]	HawksT@michigan.gov
Heintzelman, Shasta			HeintzelmanS1@michigan.gov
High, Ken			HighK@michigan.gov
Hollaender, Henrik			HollaenderH@michigan.gov
Jenness, Kevin		[redacted]	JennessK2@michigan.gov
Jonker-Burke, Samuel			Jonker-BurkeS@michigan.gov
Katarsky, Tony			KatarskyA@michigan.gov
Kelenske, Chris			KelenskeC@michigan.gov
Kuzera, Michelle			KuzeraM@michigan.gov

EMERGENCY MANAGEMENT AND HOMELAND SECURITY DIVISION

Staff Contact information

Name	New Cisco 10 Digit Number	Cell	E-Mail
Laban, Diane			LabanD@michigan.gov
Law, Rich			LawR@michigan.gov
Leix, Ron			LeixR@michigan.gov
Mankowski, Mary K			MankowskiM1@michigan.gov
Martin, June			MartinJ9@michigan.gov
McCarthy, Joyce			McCarthyJ6@michigan.gov
McCormick, Matthew			McCormickM@michigan.gov
McQueen, Nate			McQueenN@michigan.gov
Nix, Gary			NixG@michigan.gov
Nobach, Tonya			NobachT@michigan.gov
Osborn, Renee			OsbornR@michigan.gov
Pepper, Joel			PepperJ@michigan.gov
Porcello, James			PorcelloJ@michigan.gov
Reese, Jacqueline			ReeseJ@michigan.gov
Richmond, Kim			RichmondK@michigan.gov
Roach, BJ			RoachB@michigan.gov
Russo, Mark			RussoM3@michigan.gov
Schnepp, Matt			SchneppM1@michigan.gov
Schroeder, Eric			SchroederE2@michigan.gov
Sekmistrz, Nick			SekmistrzN2@michigan.gov
Sheaffer, Richard			SheafferR@michigan.gov
Sobocinski, Mike			SobocinskiM@michigan.gov
Strobel, Pam			StrobelP1@michigan.gov
Suarez, Malyssa			SuarezM@michigan.gov
Tchorzynski, James			TchorzynskiJ@michigan.gov
Theis, Stacy			TheisS@michigan.gov
Tober, Renee			ToberR2@michigan.gov
Walter, Audrey			WalterA2@michigan.gov
Weber, Thomas			WeberT1@michigan.gov
Wolfinger, Carol			WolfingerC1@michigan.gov
Yount, Jane			YountJ@michigan.gov

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, February 12, 2016 10:53 AM
To: Hinkley, Lori (MSP)
Cc: Weber, Thomas (MSP)
Subject: RE: number of records

Thanks. I have just finished the following count of relevant materials:

281 physical pages of printouts, handwritten notes, and typed text.

Within my emails, I sent about 72 relevant messages, which included 76 pages within attached documents. (Estimated 1 page average length or less per email, if duplicates from chain replies are not included.) This does not include emails which were about other matters and merely included brief, passing references such as "Going to Flint now" or "sorry for the delay while working on Flint."

Within my emails, I received about 45 relevant personal messages, including 52 pages within attached documents.

If I include mass-emailed messages from the Governor's Office, EMHSD Media Monitoring, and EMHSD news from Oralya Garza, then there are about 39 additional messages adding up to hundreds of additional pages (perhaps an average of more than 10 pages each?)

Please let me know if you have questions. (I'm in the office until noon today but traveling to Detroit, and should be back to check my email by 5pm before I leave.)

Thanks,
Mike

From: Hinkley, Lori (MSP)
Sent: Friday, February 12, 2016 6:48 AM
To: Sobocinski, Mike (MSP)
Subject: RE: number of records

HI Mike:

Please do not add notes at this time. The idea under FOIA is to capture the documents as they exist at the time of the request. The goal is the number of pages so if you can estimate the number that would be helpful. I understand many of the emails will include the entire string gut that is fine – we don't want to modify any existing document so please produce them in their current form. Thanks! Lori

Lori M. Hinkley
Michigan State Police
Freedom of Information Unit
Office of the Director

PLEASE NOTE: Our office has moved and my new contact information can be found below:

Phone: 517- 284-3126
Fax: 517- 241-1935

Address: 7150 Harris Drive, Dimondale, Michigan 48821
Mailing Address: PO Box #30634, Lansing, MI 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Thursday, February 11, 2016 5:43 PM
To: Hinkley, Lori (MSP) <hinkleyl@michigan.gov>
Subject: number of records

Hello –

A couple of questions:
With the "number of records" are you more interested in the distinct number of emails/documents, regardless of the length of each, or in the approximate number of pages that they would all fill up when printed.
With regard to page counts or potential printouts, most of my emails include long nested chains of all preceding messages. Rather than constantly re-printing all the content in chains, would it make sense to only count and submit the most recent (or most complete) messages?
Some of my documents are undated, but are recent enough for me to estimate a production date and add it by hand, if that sounds useful and appropriate. Please let me know, as things that were aimed internally would make more sense if a few added dates, titles, explanatory wording is added. I guess it depends upon whether the goal is simply to "capture" all material exactly as it is and to seek further explanation later, as needed, or to most quickly gather the most accurate representation of what information/documents were used (and when, and how), through the use of some added clarifying annotations.

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police

PLEASE NOTE: Effective **February 1, 2016**, the **State and Local Support Section / Emergency Management and Homeland Security Division** has moved.
My new contact information is now:

Phone: 517-284-3947
Fax: 517-284-3857
Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

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Sobocinski, Mike (MSP)

From: Garza, Oralya (MSP)
Sent: Friday, February 12, 2016 10:14 AM
To: MSP-EMHSD-Division
Subject: FOIA REQUEST FOR RECORDS - DEADLINE 2:00 p.m. TODAY

Please remember to send Lori Hinkley **an estimate of the number of records** in your possession pertaining to the Flint water crisis.

"Records" is defined as: e-mails, hand written notes, documents, text messages and anything else pertaining to the Flint water crisis. This includes ALL records you've received or generated, including general govdelivery correspondence, news releases – essentially anything that says "Flint Water."

To recover deleted e-mails in outlook, go to your toolbar and select: Folder - Recover Deleted Items. This will provide you with a list of everything you have deleted within the last 30 days. Please recover all Flint related records and archive them for future reference and include them in your estimate to Lori.

You will need to send this information to Lori Hinkley no later than 2:00 today. Further information regarding the need for printing documents will be provided to you next week. We are only looking for estimates of the number of records right now.

Let me know if you have any questions.

Oralya Garza
Executive Secretary
Emergency Management and Homeland Security
Phone: 517-284-3979
Fax: 517-284-3857

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Garza, Oralya (MSP)
Sent: Friday, February 12, 2016 9:31 AM
To: MSP-EMHSD-Division
Subject: E-MAILS

Please make sure that you are checking the e-mail addresses to ALL recipients of e-mails you are sending – particularly when related to the Flint water crisis and confidential information. Everyone is working in high gear, but we need to make sure we are meticulous in our protection of confidential information, and we've had a few errors in who we are sending information to. Fixable, but let's prevent the need to "fix" by double checking our stuff.

Thanks for your help with this!

Oralya Garza
Executive Secretary
Emergency Management and Homeland Security
Phone: 517-284-3979
Fax: 517-284-3857

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: *Zarotney, Greg (MSP)*
Sent: Thursday, February 11, 2016 5:01 PM
Subject: URGENT - Records Request

Importance: High

The department has been directed to provide copies of all records in our possession related to the Flint water matter to the Governor's office. You are receiving this email because you have been identified as an individual who may have records that must be produced. If there are any department members who you think may be in possession of records related to Flint water, please forward this message to those members.

Records include memos, handwritten notes, emails and attachments, and text messages in your possession, regardless of who produced the record. Be sure when you search your email messages that you look in your inbox, sent box, and trash. In preparation for the production, you must estimate the number of records you have in your possession and provide that estimate to Ms. Lori Hinkley no later than **2:00 PM on Friday, February 12, 2016**.

You must then provide a copy of each record in your possession to the Legislative and Legal Resources Section no later than close of business on **Thursday, February 18, 2016**.

Members who work at Headquarters must provide paper copies to F/Lt. Chris Hawkins in the Office of the Director. Members who work at the State Secondary Complex must provide a paper copies Ms. Lori Hinkley. Ms. Hinkley is located on the second floor of the new Headquarters building. Department members who work outside of these worksites may send copies of records in their possession via e-mail to MSP-FOIAProject@michigan.gov.

In addition to this initial production of records, the department is required to provide copies of newly created records on an ongoing basis. Until further notice, copies of all newly created records shall be forwarded to MSP-FOIAProject@michigan.gov.

REMINDER: Public records can only be disposed of consistent with an approved retention schedule. As it applies to emails and text messages related to the Flint water matter, please use the retention schedule in place for general correspondence which is **two years**. Please save all emails and text messages for at least two years. Prior to expiration of the two year period you will have an opportunity to re-evaluate the content of the messages to determine if an additional retention period is necessary. If you have issues with accommodating emails based on your mailbox size, please archive them. Do not print and file them as the metadata must be retained as well.

If you have any questions with these instructions, please contact Ms. Lori Hinkley.

Capt. Greg Zarotney
Michigan State Police
Office of the Director
333 South Grand Avenue
Lansing, Michigan 48909
(517) 241-0204

A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY

Sobocinski, Mike (MSP)

Subject:	ATTEND: State Agency Quarterly - Briefing
Location:	SEOC
Start:	Thu 2/11/2016 1:00 PM
End:	Thu 2/11/2016 2:00 PM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Strobel, Pamela (MSP)
Importance:	High

All EMHSD Staff must attend the 1 p.m. State Agency Quarterly - Briefing that will be conducted today at 1 p.m.

Ms. Lori Hinkle will be discussing FOIA - Record Retention specifically on the City of Flint Water Contamination / Storage activation.

If you are unable to attend in person, please use the following conference call information:

Dial in: 1-877-848-7030
Access Code:

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Thursday, February 11, 2016 8:20 AM
To: Weber, Thomas (MSP)
Subject: RE: office logistics

Ok. I might just ask them for a brief delay if the request is not urgent and comes while I'm in the middle of something involved (e.g. phone call, imminent appointment, deep-thought, etc.). ☺

From: Weber, Thomas (MSP)
Sent: Thursday, February 11, 2016 8:16 AM
To: Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
Subject: office logistics

I've just been asked to convey that as long as we're still "settling in" and responding to Flint there will be continued needs/asks for assistance in helping with things around the office. Please provide assistance to Joyce or Jackie or whomever else to the extent possible.

Thanks for your assistance.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
Mobile:
Fax: 517-284-3857
PO Box #30634
Lansing, MI 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, February 10, 2016 4:11 PM
To: McCormick, Matthew (MSP)
Cc: Weber, Thomas (MSP); plangc
Subject: *ok!*
Attachments: Flint GQ analysis.xlsx; 2010 Census Tracts.pdf

Here's a nice breakdown of the Flint (area) group quarters distribution by census tract (attached).

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police

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My new contact information is now:

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Fax: 517-284-3857
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Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

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Flint group quarters

Tract	inst	% of tot	noninst	% of tot
1		0.0%	158	5.9%
3		0.0%	84	3.1%
6		0.0%	16	0.6%
8		0.0%	5	0.2%
9	12	0.8%	11	0.4%
10		0.0%	3	0.1%
11		0.0%	10	0.4%
12	6	0.4%	5	0.2%
13		0.0%	14	0.5%
14	34	2.4%	16	0.6%
15	30	2.1%	63	2.3%
16	4	0.3%	238	8.9%
19		0.0%	11	0.4%
20		0.0%	129	4.8%
22		0.0%	237	8.8%
23		0.0%	40	1.5%
24		0.0%	5	0.2%
26		0.0%	1	0.0%
27		0.0%		0.0%
28		0.0%	651	24.3%
29		0.0%	62	2.3%
30		0.0%	11	0.4%
31		0.0%	6	0.2%
32		0.0%	17	0.6%
33	85	5.9%	20	0.7%
35	644	44.6%	34	1.3%
36		0.0%	6	0.2%
37		0.0%	56	2.1%
38		0.0%	11	0.4%
40		0.0%	12	0.4%
103.04		0.0%	26	1.0%
105.01		0.0%	12	0.4%
108.11	164	11.4%	43	1.6%
108.12	138	9.6%	6	0.2%
109.11	148	10.2%	21	0.8%
109.12	6	0.4%	10	0.4%
t110.10		0.0%	241	9.0%
113.01		0.0%	78	2.9%
113.02		0.0%	14	0.5%
115.05		0.0%	6	0.2%
129.04		0.0%	18	0.7%
136	173	12.0%	276	10.3%
Total	1444	100.0%	2683	100.0%

6 tracts account for 93.6% of the population in institutionalized group quarters

12 tracts account for 84.7% of the population in noninstitutionalized grou

NOTE: Tracts include people and land located outside of the Flint city limits. Flint totals are:

988 institut 2205 noninstit

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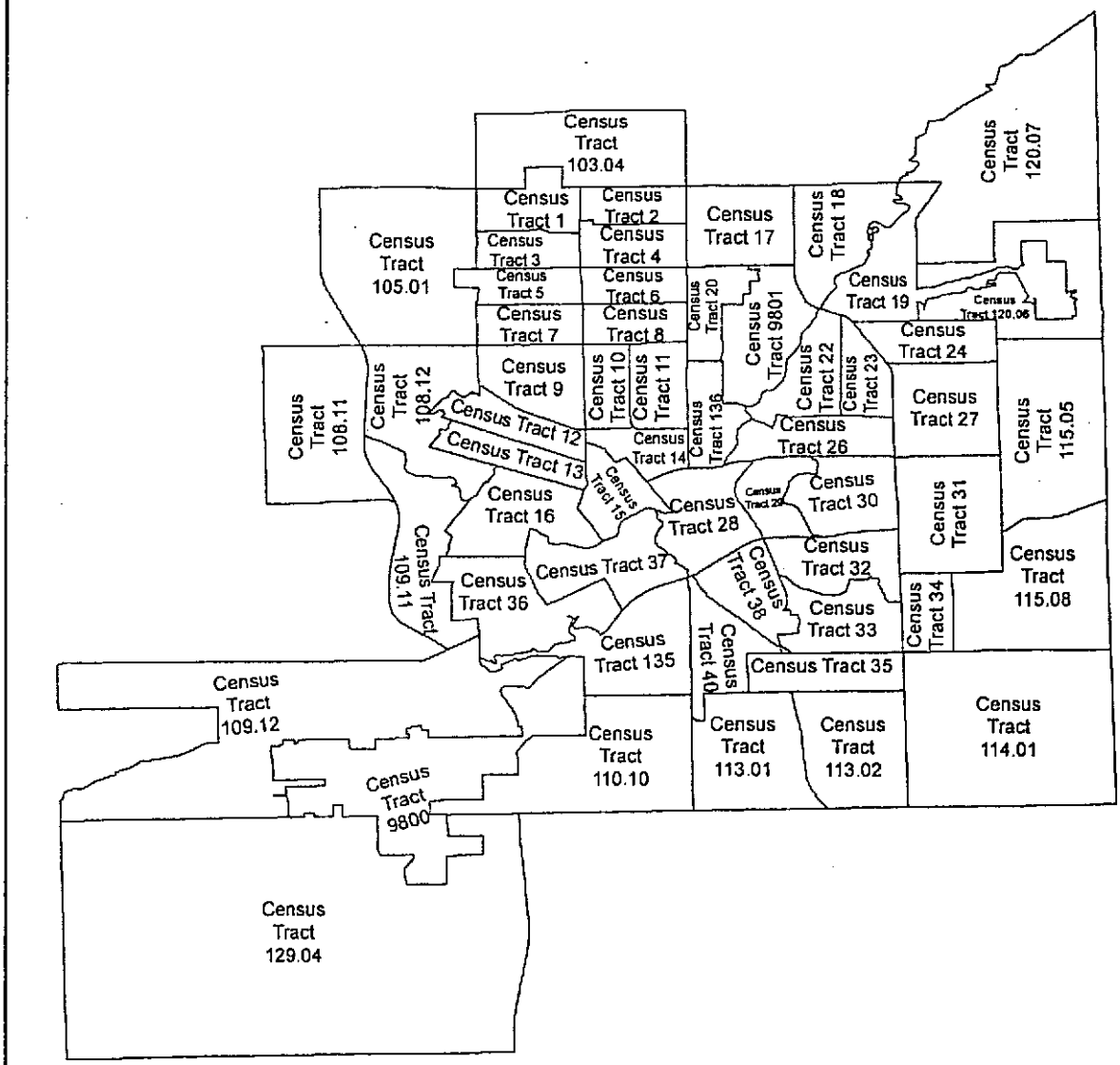
Census Tract 103.04
Census Tract 1
Census Tract 2
Census Tract 3
Census Tract 4
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Census Tract 6
Census Tract 7
Census Tract 8
Census Tract 9
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Census Tract 17
Census Tract 18
Census Tract 19
Census Tract 20
Census Tract 105.01
Census Tract 108.11
Census Tract 108.12
Census Tract 109.11
Census Tract 109.12
Census Tract 110.10
Census Tract 113.01
Census Tract 113.02
Census Tract 114.01
Census Tract 115.05
Census Tract 115.08
Census Tract 120.07
Census Tract 120.06
Census Tract 129.04
Census Tract 135
Census Tract 136
Census Tract 9801
Census Tract 9800
Census Tract 22
Census Tract 23
Census Tract 24
Census Tract 26
Census Tract 27
Census Tract 28
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Census Tract 31
Census Tract 32
Census Tract 33
Census Tract 34
Census Tract 35
Census Tract 36
Census Tract 37
Census Tract 38
Census Tract 40

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, February 10, 2016 2:38 PM
To: McCormick, Matthew (MSP)
Subject: RE: Flint tract map

Thanks! Now I can tell which tracts are in the city. I suspected that tract 1 was...
Error likely varies from tract to tract by quite a bit...

From: McCormick, Matthew (MSP)
Sent: Wednesday, February 10, 2016 2:37 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint tract map

Really rough map with tract numbers from 2010.

Matt

From: Sobocinski, Mike (MSP)
Sent: Wednesday, February 10, 2016 2:27 PM
To: McCormick, Matthew (MSP)
Subject: Flint tract map

Say, do you already have a numbered tract map of Flint that you can you send to me? (just the tract outlines, and their associated tract numbers, 2010)

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police

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My new contact information is now:

Phone: 517-284-3947
Fax: 517-284-3857
Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

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Sobocinski, Mike (MSP)

From: McCormick, Matthew (MSP)
Sent: Wednesday, February 10, 2016 2:37 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint tract map
Attachments: 2010 Census Tracts.pdf

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From: Sobocinski, Mike (MSP)
Sent: Wednesday, February 10, 2016 2:27 PM
To: McCormick, Matthew (MSP)
Subject: Flint tract map

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Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police

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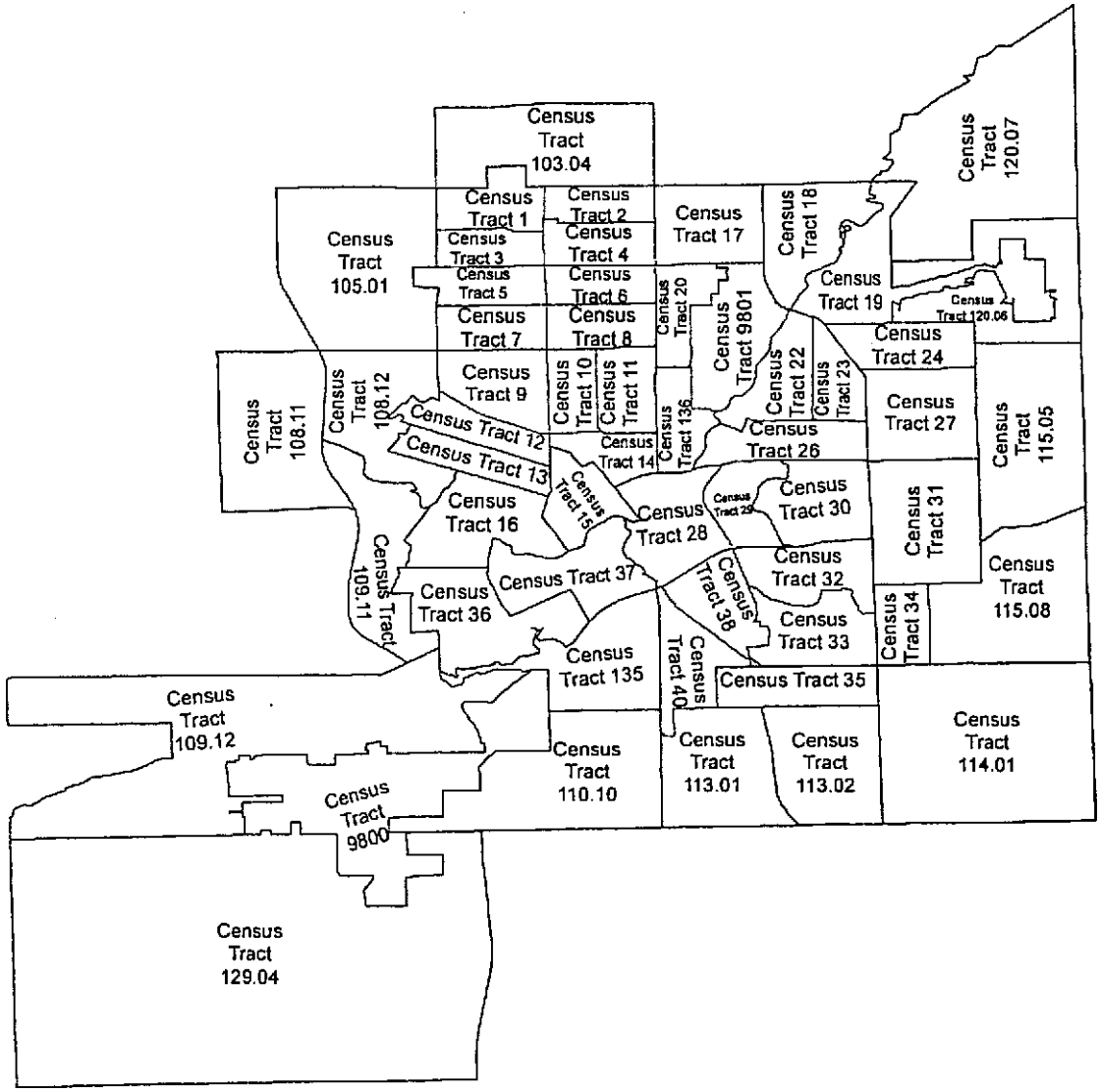
JOIN THE MSP


Census Tract 103.04
Census Tract 1
Census Tract 2
Census Tract 3
Census Tract 4
Census Tract 5
Census Tract 6
Census Tract 7
Census Tract 8
Census Tract 9
Census Tract 10
Census Tract 11
Census Tract 12
Census Tract 13
Census Tract 14
Census Tract 15
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Census Tract 19
Census Tract 20
Census Tract 9801
Census Tract 22
Census Tract 23
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Census Tract 27
Census Tract 26
Census Tract 136
Census Tract 29
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Census Tract 40
Census Tract 36
Census Tract 109.11
Census Tract 135
Census Tract 105.01
Census Tract 108.11
Census Tract 108.12
Census Tract 109.12
Census Tract 110.10
Census Tract 9800
Census Tract 129.04
Census Tract 113.01
Census Tract 113.02
Census Tract 114.01
Census Tract 115.05
Census Tract 115.08
Census Tract 120.07
Census Tract 120.06

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, February 10, 2016 1:58 PM
To: McCormick, Matthew (MSP)
Subject: RE: Flint Group Quarters

Yep! This GQ info is also available at the tract level, although not at the block group level. I've attached info for Genesee Co tract 1 below (left), next to the overall Flint City info (right)...

RELATIONSHIP		
Total population	2,799	100.0
In households	2,641	94.4
Householder	1,100	39.3
Spouse [6]	244	8.7
Child	846	30.2
Own child under 18 years	496	17.8
Other relatives	319	11.4
Under 18 years	150	5.4
65 years and over	13	0.5
Nonrelatives	132	4.7
Under 18 years	26	0.9
65 years and over	7	0.3
Unmarried partner	59	2.1
In group quarters	158	5.6
Institutionalized population	0	0.0
Male	0	0.0
Female	0	0.0
Noninstitutionalized population	158	5.6
Male	75	2.7
Female	83	3.0

RELATIONSHIP		
Total population	102,434	100.0
In households	99,241	96.9
Householder	40,472	39.5
Spouse [6]	9,359	9.1
Child	32,944	32.2
Own child under 18 years	23,130	22.6
Other relatives	8,801	8.6
Under 18 years	3,788	3.7
65 years and over	610	0.6
Nonrelatives	7,665	7.5
Under 18 years	727	0.7
65 years and over	234	0.2
Unmarried partner	3,747	3.7
In group quarters	3,193	3.1
Institutionalized population	988	1.0
Male	764	0.7
Female	224	0.2
Noninstitutionalized population	2,205	2.2
Male	1,252	1.2
Female	953	0.9

So, although institutional group quarters may already have been coordinated with, we see that tract 1 has 158 persons living in noninstitutional group quarters, who may still have unprovided need.

Mike

From: Sobocinski, Mike (MSP)
Sent: Wednesday, February 10, 2016 1:53 PM
To: McCormick, Matthew (MSP)
Subject: RE: Flint Group Quarters

I finally found some GQ info, under the 2010 Profile of General Population and Housing Characteristics for the city of Flint:

RELATIONSHIP		
Total population	102,434	100.0
In households	99,241	96.9
Householder	40,472	39.5
Spouse [6]	9,359	9.1
Child	32,944	32.2
Own child under 16 years	23,130	22.6
Other relatives	8,801	8.6
Under 18 years	3,766	3.7
65 years and over	610	0.6
Nonrelatives	7,665	7.5
Under 18 years	727	0.7
65 years and over	234	0.2
Unmarried partner	3,747	3.7
In group quarters	3,193	3.1
Institutionalized population	968	1.0
Male	764	0.7
Female	224	0.2
Noninstitutionalized population	2,205	2.2
Male	1,252	1.2
Female	953	0.9

Note that the figures are a little different here, compared with the previous message I'd sent from the 2014 ACS 5-year info.
I will check to see whether this info is also available at tract and then block group level, allowing the locations of group quarters to then be approximated and joined into the dot density household map we just worked out.

From: Sobocinski, Mike (MSP)
Sent: Wednesday, February 10, 2016 1:46 PM
To: McCormick, Matthew (MSP)
Subject: Flint Group Quarters

I did a check of 2014 ACS (5-year) data for the City of Flint, and it reports about 2511 persons living in group quarters. Lower than I'd guessed (fewer dormitories there than metro Lansing has), but still significant, because I believe that these 2511 persons would not be showing up either in the household figures OR in the poverty assessment figures.

They may have discontinued the breakdown by group quarters type. The latest entry I see for that was 2009, and even then it didn't pull up the data when I clicked on it.

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police

PLEASE NOTE: Effective **February 1, 2016**, the **State and Local Support Section / Emergency Management and Homeland Security Division** has moved.
My new contact information is now:

Phone: 517-284-3947
Fax: 517-284-3857
Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Graham, Mitch (MSP)
Sent: Monday, February 08, 2016 3:31 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Weekly Activities List

Ok Sounds good. Just let me know when the plans to review are received here.

From: Sobocinski, Mike (MSP)
Sent: Monday, February 08, 2016 3:03 PM
To: Graham, Mitch (MSP)
Cc: Weber, Thomas (MSP)
Subject: RE: Weekly Activities List

By the way, within the next few weeks we might be receiving a stack of 5 plans to review (Clare, Roscommon, Isabella, Gladwin, and Iosco).
I recently reviewed some submitted drafts of the action sections of these plans, which looked great. So the plans are nearly complete and I encouraged them to finally be sent in for review. (Their planning grant expires in 7 months.)

Mike

From: Graham, Mitch (MSP)
Sent: Monday, February 08, 2016 2:32 PM
To: Weber, Thomas (MSP)
Cc: Sobocinski, Mike (MSP)
Subject: Weekly Activities List

Weekly Activities List for February 8 – February 12, 2016:

Section Updates: (no updates)
Key Activities:
- Provide direct assistance for the Branch County Hazard Mitigation Plan (so far I have completed 183 pages). (Graham).
- Help out with the declaration for the Flint Water Crisis if needed. (Graham).

External Meetings: (no updates)

Weekly Activities List for February 15 – February 19, 2016:

Section Updates: Paid Holiday, Monday Feb. 15th for Presidents Day
Key Activities:
- Provide direct assistance for the Branch County Hazard Mitigation Plan (so far I have completed 183 pages). (Graham).
- Help out with the declaration for the Flint Water Crisis if needed. (Graham).

External Meetings: (no updates)

Mitch Graham
Hazard Mitigation Planner
Planning and Program Development Section
Emergency Management and Homeland Security Division

Michigan State Police

PLEASE NOTE: Effective February 1, 2016, the Emergency Management and Homeland Security Division is moving. My new contact information will be:

Phone: 517-284-3974
Fax: 517-284-3857
Physical Address:
7150 Harris Drive
Dimondale Michigan 48821

Mailing Address:
PO Box #30634,
Lansing, MI 48909

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Monday, February 08, 2016 8:11 AM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

My estimated schedule this week:
Thanks,
Mike

This week, February 8 to 12:
Section updates:
- 3 hours annual leave Tuesday PM, February 9 (Sobocinski)

Key Activities:
- Finish up revised MI-CEMKR PowerPoint presentation and send to Amanda Bresler (Sobocinski)
- Coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters/inquiries from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)
- If needed, work on Flint emergency declaration activities (Sobocinski)

External Meetings:
- Attend Student Michigan Association of Planners conference as professional mentor: Wayne State U, Friday afternoon (Sobocinski)

This week, February 15 to 19:
Section updates:
- 3 hours annual leave Tuesday pm, February 16 (Sobocinski)
- Monday holiday (unless participating in SEOC activation on that day) (Sobocinski)

Key Activities:
- Coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters/inquiries from FEMA and local programs, as received. (Sobocinski)
- Thursday Feb. 18: 11am RiskMAP conference call, 12:30pm-2p webinar
- As time allows, expand presentation on climate change, for official review (Sobocinski)
- If needed, work on Flint emergency declaration activities (Sobocinski)

External Meetings: (no items)

Sobocinski, Mike (MSP)

From: MSP-seocfgc
Sent: Sunday, February 07, 2016 4:11 PM
To: MSP-EMHSD-Division
Cc: MSP-seoclgc; MSP-SEOCOPSC
Subject: Additional DCDS Coding - City of Flint
Attachments: Activity Tab DCDS.png

Good Afternoon:

The State Budget Office (SBO) has requested some additional coding in DCDS for staff that work on the City of Flint Water Emergency. We will still be coding all overtime costs to PCA 28670. But at their request, we will also be utilizing the "Activity" code in DCDS.

To enter Activity Code

- Open Employee Data Collection
- Click on **Activity Tab** of DCDS timesheet
- On the Unit Entry tab, under Activity column at left, enter F in drop down box and select **FDWP** when it appears.
- Enter total of "**regular and overtime hours**" related to the Flint Water emergency in cell for each date worked.
- These hours should match the total hours for each day you have entered into your timesheet.
- Save when you have entered your activity hours.

Again, this is only for hours spent working on the City of Flint Emergency and should begin with this current pay period. Please let me know if you have questions.

Thanks,
Penny

Finance Section Chief
State Emergency Operations Center
Michigan State Police
Emergency Management and Homeland Security Division
Tx: (517)284-3895

File Edit Options Functions Params Reports Window Help

Employee Data Collection

Selection | Time | Activity | Equipment | Inventory | Emp Info | History

BURGER, PENELOPE J 001071568 Eff Dt: 05/01/2011 PP EndDt: 02/13/2016 Ver: 0 Adj Type:

Activity Entry

AY No CB

Month: January

Activity	Sum Total	31 07 S	01 08 M	02 09 T	03 10 W	04 11 Th	05 12 F	06 13 S	PP Total
FDWP	.00	.00	8.00	8.00	8.00	8.00	8.00	.00	40.00
		.00	.00	.00	.00	.00	.00	.00	
	.00	.00	.00	.00	.00	.00	.00	.00	0.00
		.00	.00	.00	.00	.00	.00	.00	
Totals:	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	40.00
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Unit Entry | Detail Entry

<= | => | Modify | Submit | Prev CB | Copy Time | Delete | Save | Close

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, February 02, 2016 10:23 AM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

Hope this schedule looks okay (with the extra hour of leave time this afternoon)
Thanks,
Mike

This week, February 1 to 5:
Section updates:
- 4 hours annual leave Tuesday pm, February 2 (Sobocinski)

Key Activities:
- Unpack and organize office materials from move (Sobocinski)
- Work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- Coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)
- If needed, work on Flint emergency declaration activities (Sobocinski)

External Meetings: (no items)

This week, February 8 to 12:
Section updates:
- 3 hours annual leave Tuesday PM, February 2 (Sobocinski)

Key Activities:
- If not already finished, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- Coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)
- If needed, work on Flint emergency declaration activities (Sobocinski)

External Meetings: (no items)

Name	New Cisco	Phone
	10 Digit Number	Model
Abendroth, Anne		7821
Anderson, Nikkia		7821
Asbridge, Daniele		7821
Baker, Zachary		7821
Barcroft, Jaclyn		7821
Bouffard, Don		7821
Bozzo, Chelsea		7821
Bresler, Amanda		7821
Briggs, Brianna		7821
Burger, Penny		7821
Chomentowski, Walter		7821
Covey, Gabe		7821
District Coordinator Office		7821
Davis, Kristi		7821
Day, Kari		7821
Daymon, Kristi		7821
Downs, Nancy		7821
Eickholt, Jay		7821
Frese, Jodie		7821
Galbreath, Wendy		7821
Garza, Oralya		7861
Georgopoulos, Carly		7821
Gilsdorf, Michelle		7861
GIS Intern D120		7821
GIS Intern D120		7821
Graham. Mitch		7821
Hampton, Jacqueline		7821
Hawks, Trevor		7821
Heintzelman, Shasta		7821
Hollaender, Henrik		7821
Jenness, Kevin		7821
Jonker-Burke, Samuel		7821
Katarsky, Tony		7821
Kelenske, Chris		7861
Kuzera, Michelle		7821
Laban, Diane		7861
Law, Rich		7821
Leix, Ron		7821
Mankowski, Mary K		7821
Martin, June		7821
McCarthy, Joyce		7861
McCormick, Matthew		7821
Nobach, Tonya		7821

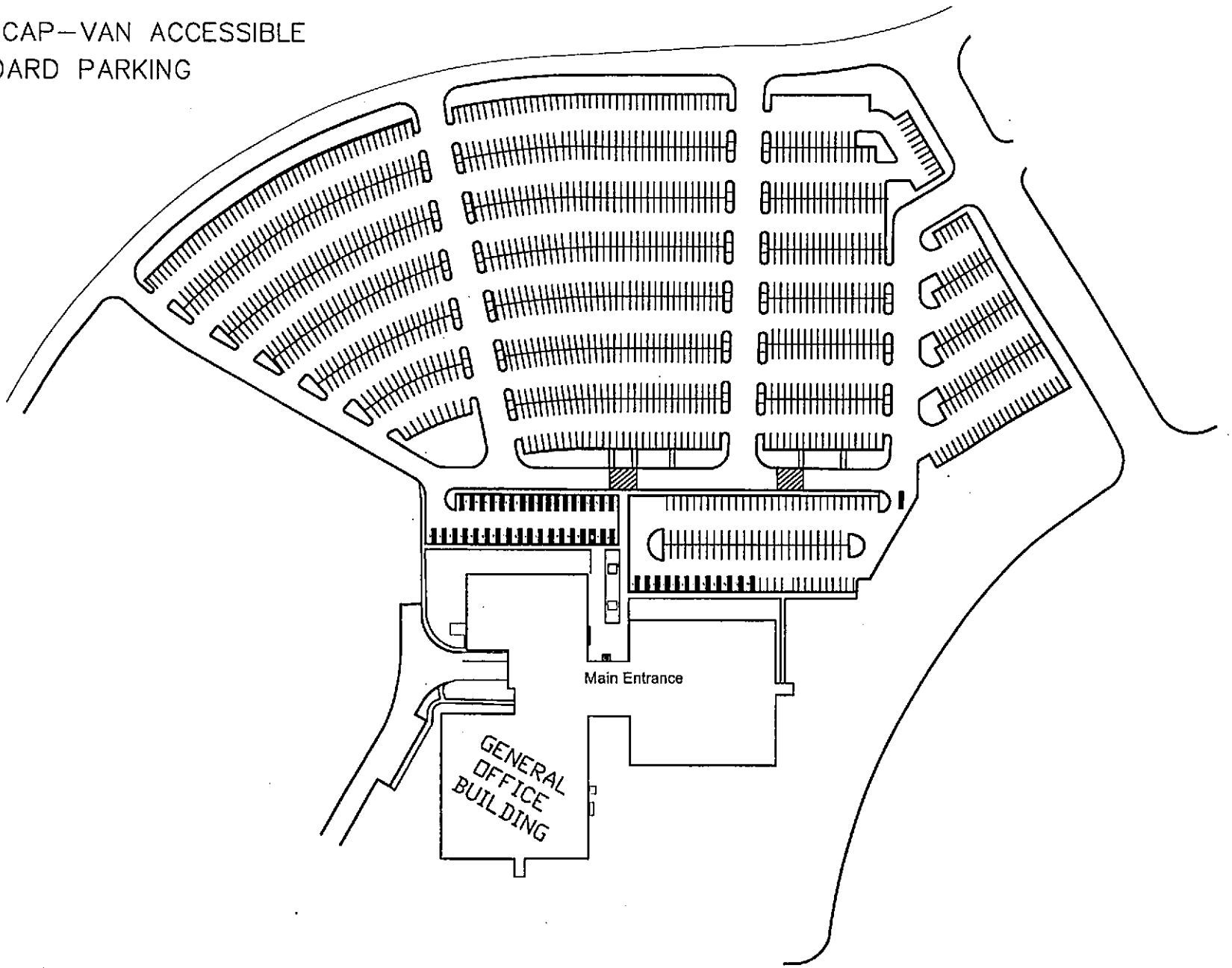
Pepper, Joel	7821
Porcello, James	7821
Reese, Jacqueline	7821
Richmond, Kim	7821
Schnepp, Matt	7821
Sekmistrz, Nick	7821
Sheaffer, Richard	7821
Sobocinski, Mike	7821
Strobel, Pam	7861
Suarez, Malyssa	7821
Tchorzynski, James	7821
Tober, Renee	7821
Walter, Audrey	7821
Weber, Thomas	7821
Hardy, Raquel	7821
Wolfinger, Carol	7821
Yount, Jane	7821
Vacant-Hazard Mitigation Planner #1	7821
Vacant-(Prior-Morford, Robert)	7821

CURRENT CONFIGURATION

HANDICAP PARKING

HANDICAP—VAN ACCESSIBLE

STANDARD PARKING



Sobocinski, Mike (MSP)

From: Strobel, Pamela (MSP)
Sent: Wednesday, January 27, 2016 4:47 PM
To: MSP-EMHSD-Division
Subject: It's Time to Move!
Attachments: GOB Parking and Entrance Map.pdf

It's That Time! It's Time to Move!!!

As you may be aware, the **State Emergency Operation Center (SEOC)** will be relocating from 4000 Collins Road, Lansing to 7150 Harris Drive, Dimondale (known as the General Office Building – GOB) on Friday, January 29, 2016.

All EMHSD staff ASSIGNED to work in the SEOC on Friday, January 29 for the Flint Water Emergency need to report to the new facility at 8 a.m.

Please park in the standard area and enter at the main entrance of the GOB (see attached parking and entrance map). EMHSD staff will be on site by 7:45 a.m. to greet and escort you to the new SEOC.

Please be patient as we all learn our way around, and with new equipment. It may be necessary for us to assign "temporarily" locations of computers in the SEOC; therefore, your position may not be located in its permanent sitting position until early next week.

It has been mentioned to those working within the SEOC, it is important that you secure documents and files you may have stored on the PC's or desktops at Collins Road by saving to a memory stick or you may also talk to the IT support within the SEOC (Rich or Jaclyn) about saving information to the S Drive. You will most likely be working on a different PC, and we want to ensure you have the files you need to continue operations with as little interruption as possible.

Please return your ADT access card for Collins Road, by Thursday night. A container will be placed near the SEOC sign in-sheet for this purpose.

New phone numbers will be established in the SEOC and will be provided as soon as permanent locations are set. Until then, we recommend using your cell if someone needs to contact you.

EMHSD Staff not assigned to an SEOC position on Friday, January 29

By COB Thursday night, our janitorial staff will provide blue recycle bins throughout the building – marked for "trash". Please remove all trash by 10:00 am on Friday and place in these designated bins. She will also leave an extra trash bag in your office. Place this fresh trash bag in your wastepaper basket as this will be used to pack your PC accessories for transport.

Please report to Collins Rd at your normal time on Friday, Jan 29. This will be the final day in this building.

Jeans will be permitted on Friday, Jan 29 and Monday, Feb 1 if you are NOT assigned to the SEOC.

DTMB will begin tearing down computers early Friday morning, thereby making worktime on your PC uncertain. **Please accomplish tasks that need to be completed via your computer by COB Thursday.**

All EMHSD Staff that are remaining at Collins Road please report to the Kitchen at 8 a.m. Friday morning for a briefing. Friday will be used to scan the entire building to ensure all items are packed and ready for transport.

As noted previously, we **MUST** ensure there are no paperclips, staples, etc. left in our areas. All drawers, cabinets, shelves, and floors should be double checked. Refrigerators will need to be cleaned once again; NOTHING CAN BE LEFT BEHIND except for furniture that is not being relocated to Harris Rd.

An area has been designated in the kitchen for surplus....it is hopeful that you will not have much left by now, but if you run across small items that have been missed and are intended for surplus, please put them in this area. If it is a quality, useable item, please pack it for transport.

Please ensure you have updated your voice mail message with your new phone #, noting that it will be effective on Monday, February 1. You will be able to check voicemail from Collins Rd for a very short time once we move.

Please leave your ADT access card at the desk of Pam Strobel before you leave on Friday.

You will report at your normal scheduled time to 7150 Harris Drive, Dimondale, MI on Monday, February 1. **Please DO NOT come in over the weekend as the movers will be unpacking and placing items throughout the weekend.**

Please park in the standard area and enter at the main entrance of the GOB (see attached parking and entrance map). Greeters will be on hand to welcome you to our new work site and find your designated workspace. Assistance will be available throughout the day to help with computers, phones, etc. if needed. A welcome mat will be on your desk indicating key items you need to be aware of. Please take a moment to look it over thoroughly.

This has been a big project for all, and we are confident you will find the new division location a welcoming and efficient area to accomplish all that you do. Be patient as we become acclimated. New phones and new workspace will take time to get accustomed to.

Thanks for all of your patience and hard work. It takes EVERYONE to ensure a smooth move.

If you have any questions, please contact me.

Thank you,

Jackie Hampton, Manager
Preparedness & Training Section
Emergency Management and Homeland Security
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5051

PLEASE NOTE: Effective **February 1, 2016**, the **Preparedness & Training Section/Emergency Management and Homeland Security Division** is moving.

My new contact information will be:
Phone: 517-284-3973
Fax: 517-284-3857

Physical Address:
7150 Harris Drive

Mailing Address:
PO Box #30634

Dimondale, Michigan 48821 Lansing, Michigan 48909

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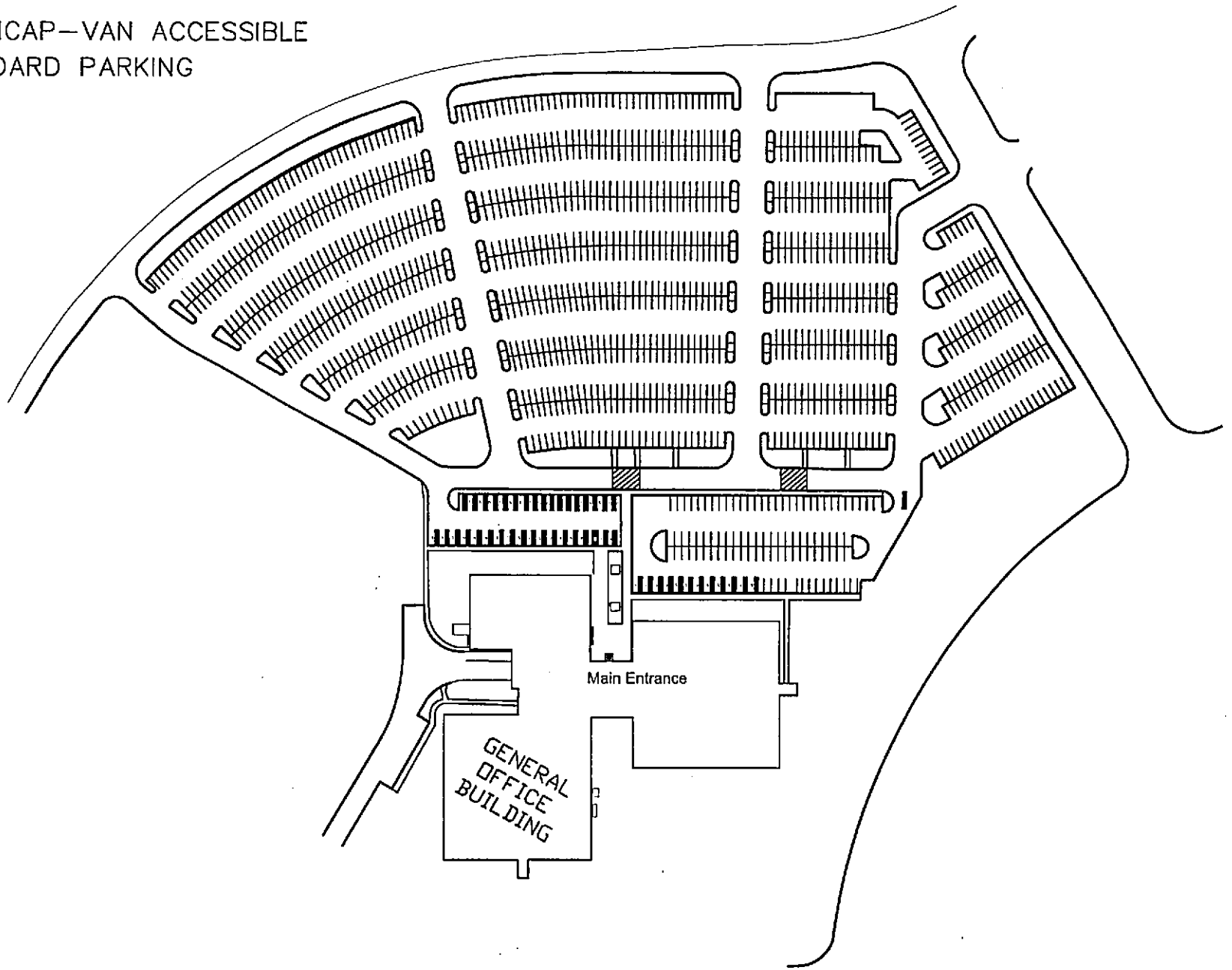
CURRENT CONFIGURATION

HANDICAP PARKING

HANDICAP–VAN ACCESSIBLE

STANDARD PARKING



Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 26, 2016 12:36 PM
To: Graham, Mitch (MSP)
Subject: RE:

I had heard that claim but there were so many aspects of the event that I didn't have a chance to check it against other sources. I'm not sure what causal mechanism they might have claimed. There are different rusting processes, and clean water causes rust too. http://www.capitalsteel.net/news/blog/why-does-steel-rust-plus-other-steel-rusting-questions-answered
"Steel will rust immediately when being exposed to moisture and air. How quickly steel rusts typically depends on how much steel is exposed to moisture and air, the levels of both moisture and air, and whether or not any protective coatings are present (we'll get to that later)."

From: Graham, Mitch (MSP)
Sent: Tuesday, January 26, 2016 12:30 PM
To: Sobocinski, Mike (MSP)
Subject: RE:

http://www.crainsdetroit.com/article/20160124/NEWS/301249983/flint-water-crisis-timeline Yes i found that link when I was researching the actual timeline of this Flint water crisis. It said that even GM stopped using the water because it rusted their parts.

Sobocinski, Mike (MSP)

From: Graham, Mitch (MSP)
Sent: Tuesday, January 26, 2016 12:30 PM
To: Sobocinski, Mike (MSP)
Subject: RE:

http://www.crainsdetroit.com/article/20160124/NEWS/301249983/flint-water-crisis-timeline Yes i found that link when I was researching the actual timeline of this Flint water crisis. It said that even GM stopped using the water because it rusted their parts.

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 26, 2016 12:02 PM
To: Graham, Mitch (MSP)
Subject: RE:

Fascinating. The map shows a portion of the North Atlantic cooling. I wonder whether the gulf stream might shift. Global average warming can actually include certain areas becoming temporarily cooler.

From: Graham, Mitch (MSP)
Sent: Tuesday, January 26, 2016 11:48 AM
To: Sobocinski, Mike (MSP)
Subject: RE:

http://thinkprogress.org/climate/2016/01/25/3742321/climate-change-jonas-sandy/ You might like this link about climate change.

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 26, 2016 11:25 AM
To: Graham, Mitch (MSP)
Subject: RE:

It'll probably be okay, since they are likely to just read one phone number off of a card or document.

From: Graham, Mitch (MSP)
Sent: Tuesday, January 26, 2016 11:23 AM
To: Sobocinski, Mike (MSP)
Subject: RE:

Yes based on the phone list all our numbers are very close together. However our reversal of the last 2 digits might cause some confusion amongst the locals.

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 26, 2016 11:17 AM
To: Graham, Mitch (MSP)
Subject:

I just updated my email signature. I noticed that our new phone numbers will be the same except for reversing their last 2 digits! That will make it easy to learn both numbers, while we each learn our own. ☺

Mike Sobocinski

Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police

PLEASE NOTE: Effective **February 1, 2016,** the **State and Local Support Section / Emergency Management and Homeland Security Division** is moving.
My new contact information will be:

Phone: 517-284-3947
Fax: 517-284-3857
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Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 26, 2016 8:06 AM
To: Graham, Mitch (MSP)
Subject: RE: weekly activities list

It has probably been cancelled. I don't see the appointment in my calendar. But it had originally been scheduled today, so it was written in my planner.

From: Graham, Mitch (MSP)
Sent: Tuesday, January 26, 2016 7:39 AM
To: Sobocinski, Mike (MSP)
Subject: RE: weekly activities list

There is an 830am unit meeting today with the Captain?

From: Sobocinski, Mike (MSP)
Sent: Monday, January 25, 2016 5:59 PM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 25 to 29:
Section Updates:
- 3 hours of leave Monday morning, January 25. (Sobocinski)
- 4 hours annual leave Tuesday afternoon (Sobocinski)

Key Activities:
- Tuesday 8:30a unit meeting with Captain (unless cancelled)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)
- If needed, work on Flint emergency declaration activities (Sobocinski)

External Meetings:
- Friday AM Silver Jackets coordination meeting, at USGS Lansing office, 6520 Mercantile Way – discuss charter to make MI an officially participating state (Sobocinski)

This week, February 1 to 5:
Section updates:
- 3 hours annual leave Tuesday PM, February 2 (Sobocinski)
- Note: Additiona' :ime might be needed for

Key Activities:
Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- *Process letters from FEMA and local programs, as received. (Sobocinski)*
- As time allows, expand presentation on climate change, for official review (Sobocinski)
- If needed, work on Flint emergency declaration activities (Sobocinski)

External Meetings: (no items)

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: *Monday, January 25, 2016 5:59 PM*
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 25 to 29:
Section Updates:
- hours of Monday morning, January 25, (Sobocinski)
- hours annual leave Tuesday afternoon (Sobocinski)

Key Activities:
- Tuesday 8:30a unit meeting with Captain (unless cancelled)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)
- If needed, work on Flint emergency declaration activities (Sobocinski)

External Meetings:
- Friday AM Silver Jackets coordination meeting, at USGS Lansing office, 6520 Mercantile Way – discuss charter to make MI an officially participating state (Sobocinski)

This week, February 1 to 5:
Section updates:
- 3 hours annual leave Tuesday PM, February 2 (Sobocinski)
- Note: Additional time might be needed for

Key Activities:
Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)
- If needed, work on Flint emergency declaration activities (Sobocinski)

External Meetings: (no items)

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Monday, January 25, 2016 5:45 PM
To: Susan Martinez
Cc: Mark Hammond (mark_hammond@monroemi.org)
Subject: RE: southeast Monroe

Thanks. It might not have to do with the water system itself, but might just be a group of housing units with old unreplaced fixtures, flaking lead paint, or some other issue. But if it does relate to infrastructure, then I'd like to include an item in the hazard mitigation plan recommending that their next master plan update seek funds from CDBG or some other source to upgrade and address the problem.

From: Susan Martinez [mailto:susan_martinez@monroemi.org]
Sent: Friday, January 22, 2016 8:39 PM
To: Sobocinski, Mike (MSP)
Cc: Mark Hammond (mark_hammond@monroemi.org)
Subject: Re: southeast Monroe

All I know is that area is Erie, where I live. Never heard of a lead problem here but I will ask around.
Thanks
Susan

Sent from my iPhone

On Jan 22, 2016, at 5:29 PM, "Sobocinski, Mike (MSP)" <SobocinskiM@michigan.gov> wrote:

> Hello –
>
> As part of the emergency work, I noticed this article with a reference map:
> http://bridgemi.com/2015/12/far-from-flint-lead-remains-an-irreversible-scourge/
> Do you know anything about the area identified in southeastern Monroe County?
> If the area has anything in common as an identified risk - the Toledo water system, polluted areas, etc. then perhaps a couple of project ideas might be added to the Monroe plan in order to address that risk?
>
> Thanks,
>
> Mike Sobocinski
> Hazard Mitigation Planning Specialist
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910-5883
> TX: 517-336-2053
>
> **"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"**
> <image001.png>

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, January 22, 2016 5:29 PM
To: Susan Martinez (susan_martinez@monroemi.org)
Cc: Mark Hammond (mark_hammond@monroemi.org)
Subject: southeast Monroe

Hello –

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http://bridgemi.com/2015/12/far-from-flint-lead-remains-an-irreversible-scourge/
Do you know anything about the area identified in southeastern Monroe County?
If the area has anything in common as an identified risk - the Toledo water system, polluted areas, etc. then perhaps a couple of project ideas might be added to the Monroe plan in order to address that risk?

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, January 22, 2016 5:23 PM
To: Weber, Thomas (MSP)
Subject: RE: urban

The method will vary across jurisdictions and regions... I can provide input on the issue and strongly advise that it be considered. But technically it isn't a named FEMA requirement, although FEMA's request to consider pandemics could be stretched to include all kinds of public health emergencies. Since this is the first declared emergency, but many plans were just recently completed without much consideration of the topic, there would be a period of years for the most populous communities to wait for their next plan update. A lot can happen during that time, and implementation money wouldn't be available through FEMA's hazard mitigation grants. So in the near-term, a schedule of expiring HM plans and a schedule of updates to master plans could be compiled for at-risk communities, and thus form a timeline for outreach to encourage consideration of the issues. It could be a very good task for Mitch to compile info about the deadlines (which would take quite a while) for the areas identified on that map. Then viable funding sources should be identified, and multiple memos could then be distributed to planning areas that seem to have different types of risks – the hazard mitigation planning focus would probably only need to address a certain type and scale of risk, such as those stemming from aging infrastructure systems. Therefore, a rural U.P. memo (if it seems to be appropriate) would be different from a memo that addresses the large historic cities in the southern Lower Peninsula.

The list of places and plan expiration dates (both master plans and hazard mitigation plans) would become a guide to organize the outreach to planners & EMCs, providing recommendations to seek potential funds that seem appropriate.

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 5:10 PM
To: Sobocinski, Mike (MSP)
Subject: RE: urban

do you have adequate connections with either planning, community development, public works departments interfacing with their emergency managers to begin to potentially address these issues in hazard mitigation plans?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Friday, January 22, 2016 2:52 PM
To: Weber, Thomas (MSP)
Subject: urban

Hello –

I'm not sure whether any use has yet been found for the background text I had provided to you earlier this month, framing the current emergency in the context of long-term historical trends involving our older urban areas, but as part of longer-term planning beyond the current emergency, a broader approach should probably be taken. Our own internal news/media overview emails have pointed to various articles (e.g. below) referring to detected lead problems in other areas. Such problems do not necessarily stem from those urban water systems (i.e. paint, faucets, and pollution effects might be bigger causes in these areas) but it is something that probably needs to be put on a list for consideration, especially since there is such a large population living in the older urban districts where some indications of a problem have been reported, as in the following report summary:
http://bridgemi.com/2015/12/far-from-flint-lead-remains-an-irreversible-scourge/

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
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Sobocinski, Mike (MSP)

From: State of Michigan <MISOM@govsubscriptions.michigan.gov>
Sent: Friday, January 22, 2016 4:47 PM
To: Sobocinski, Mike (MSP)
Subject: Flint Volunteer Efforts

Dear State Employees,

Gov. Rick Snyder and I want to thank everyone who donated their time during the holiday weekend to deliver bottled water, water filters, replacement cartridges and water testing kits to families in the city of Flint. We are working hard to ensure all residents are provided with the safe water resources they need, and each donation and hour of your time volunteered goes a long way.

For employees who would like to help the residents of Flint, there are several opportunities to do so. Please visit www.helpforflint.com to learn how you can help.

For additional information and updates, visit www.michigan.gov/flintwater.

Again, thank you for all your support.

Sincerely, Mike Zimmer
Office of Good Government Director
Dept. of Licensing and Regulatory Affairs Director

This e-mail was sent to sobocinskim@michigan.gov using GovDelivery on behalf of: the State of Michigan, 111 S. Capitol Ave., Lansing, MI. *You are receiving this message because you are a State of Michigan employee.*

Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 11:29 AM
To: Sobocinski, Mike (MSP); Leix, Ron (MSP)
Subject: RE: MSU speaker Tues

Thanks Mike.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Friday, January 22, 2016 11:09 AM
To: Weber, Thomas (MSP); Leix, Ron (MSP)
Subject: MSU speaker Tues

A speaker has been scheduled by MSU next week about the Flint situation.
I'm not sure what the tone will be, although the inability to distinguish between "lead" (Pb) and "led" (past tense) in the description suggests that it might have been thrown together opportunistically.
http://lbc.msu.edu/SpeakerSeries/

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

Subject:	Canceled: SLSS Staff Meeting is Canceled due to the Flint Event
Start:	Wed 1/27/2016 9:00 AM
End:	Thu 1/28/2016 5:00 PM
Show Time As:	Free
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	McCarthy, Joyce (MSP)
Required Attendees:	Mark, Kevin (MSP); Martinez, Mark (MSP); McQueen, Nate (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Covey, Gabriel (MSP); JBM; Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP); Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Hollaender, Henrik (MSP); Hardy, Raquel (MSP); Baker, Zachary (MSP); Garza, Oralya (MSP); Strobel, Pamela (MSP)
Importance:	High

All- the SLSS meeting has been canceled since most of the staff is working the Flint Disaster. Our next regular section's staff meeting will be held in March.

District Coordinators: a brief meeting will be held at the Interop Conference. More information will be given at the conference.

The SLSS staff meetings are mandatory. Contact your manager immediately if you are unable (to attend to be excused).

The district coordinators and planners will meet together from 9 - 11 a.m. on the first day of the meeting.

Captain will be meeting with the district coordinators on 1/28/16 9-10 a.m. (without Covey).

Please let me know if you have anything to discuss at the SLSS meeting.

Sobocinski, Mike (MSP)

Subject:	SLSS Staff Meeting is Canceled due to the Flint Event
Start:	Wed 1/27/2016 9:00 AM
End:	Thu 1/28/2016 5:00 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	McCarthy, Joyce (MSP)
Required Attendees:	Mark, Kevin (MSP); Martinez, Mark (MSP); McQueen, Nate (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Covey, Gabriel (MSP); JBM; Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP); Kuzera, Michelle (MSP); Eickholt, Jay (MSP); Hollaender, Henrik (MSP); Hardy, Raquel (MSP); Baker, Zachary (MSP); Garza, Oralya (MSP); Strobel, Pamela (MSP)

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Please let me know if you have anything to discuss at the SLSS meeting.

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 19, 2016 11:52 AM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

Amended

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 19, 2016 11:47 AM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 19 to 22:
Section updates:
- 4.5 hours of comp time used Tuesday PM, January 19 (Sobocinski)

Key Activities:
- Activities as needed for Flint emergency declaration work (Sobocinski)
- Complete EMPG quarterly report work, plus sending the local plan tracking document/map to District coordinators
- Thursday 11am RiskMap kick-off conference call for Allegan County (Sobocinski)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings:
- Michigan Climate Coalition meeting Wednesday 10am-12pm, MEC office, downtown Lansing (Sobocinski)

Next week, January 25 to 29:
Section Updates:
- 3 hours of Annual leave Tuesday, January 26, starting 2pm (Sobocinski)

Key Activities:
- Activities as needed for Flint emergency declaration work (Sobocinski)
- Wednesday AM section meeting (Sobocinski)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
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External Meetings:
- Friday AM Silver Jackets coordination meeting, at USGS Lansing office, 6520 Mercantile Way (Sobocinski)

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External Meetings: (no items)

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External Meetings:
- Friday AM Silver Jackets coordination meeting, at USGS Lansing office, 6520 Mercantile Way (Sobocinski)

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, January 15, 2016 5:54 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 15 pm PM.docx

Attached is the new document with my notes from today's 4:00 pm SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

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Mike Sobocinski's notes on January 15, 2015 - 2nd daily SEOC briefing (4:00am):

MSP SEOC Planning Section (Amanda Bresler): Goes over upcoming battle rhythm items.

MSP SEOC Operations (Gabe Covey): Must ensure adequate supplies at the pods and the warehouse. Obtain volunteer numbers for tomorrow.

(Health and Environmental Branch: includes the next several agencies, including Red Cross)

MDHHS (Kathy Wald): Getting addresses for medically dependent persons. Following up on "the lab issue from this morning." Offer from SAMSA (?) to activate hot line. [A couple other items, too fast to capture in notes]

MDARD (Brad Deacon): Training staff to be able to test samples, prepare and visit sites.

MDLARA (Alisha Gensler?): Helping DEQ with school water testing. [1st comments to fast to capture in notes]

MDEQ (Jen Wolf): Plan coordinator is establishing teams for the school water testing. By February 6, the whole program will be running, but by next weekend, (some initial more urgent parts of it will be implemented?) 2600 test kits left in the pods (?something about 2 days?). About 1100 test kits coming in today. Have ordered another 28,000, to arrive in the next couple of weeks. The total amounts to more than one test kit per Flint home since the declaration started. Labs are staying open on the weekend and the Monday holiday.

"Human Services Branch" (Rich Thelen): Processing filter and replacement cartridges – more than 30,000 each. Requested after-hours contact person [I didn't catch where or with whom].

MDOE (Kevin Walters): Working with Civil Rights for student and staff counts for all educational institutions, to deliver the EPA message.

MDHHS (don't know who?) A few I-Pad "hiccups" were clearing up well this afternoon. (Jeannette Doll, MDTMB: over 30,000 [of something] are available through Home Depot.)

MOSA? "Aging and Adult Services" (Steve Betterly): We've sent more than 80 additional addresses to GIS, from the local area agency on aging, for mapping. Working on the Recovery Resource Guide.

ARC (Paul Spata): Operating the Volunteer Reception Center, putting supplies in the field. Coffee was being provided for volunteers, the JIC, etc., and tomorrow this will expand to actually provide meals. 20 volunteers are assigned tomorrow (for kit assembly?) The warehouse and inventory management activity continues.

MSP Public Safety (Matt Bolger): Working on distribution mechanism with ARC. Want to pre-load trucks during the night. Over 50,000 homes visited [if I caught this information correctly]. Volunteer staffing numbers were provided for the coming 3-day weekend period.

MDOC (don't know who?): Adding two 24-foot trucks and drivers. Working to add 5 more for the next operational period.

MDMVA (don't know who?): 34 soldiers active—a couple in the Genesee County EOC and the JIC, and the remaining 32 distributed across the 5 pods.

MDTMB (Jeannette Doll): Received notification of more than 300 identification badges ready to be used this weekend. 30 additional I-Pads, which SEOC GIS will load software onto. A dumpster is headed to Clio Road. Notify that additional traffic will be going to the state lab over the weekend.

Local EOC EMHSD liaison (?garbled name over phone?): Working to re-establish local fire stations as (distribution/receiving points?). (Capt. Kelenske: The mayor said that samples will not be received there. We must have a consistent message on this topic.)

MSP SEOC Logistics Section (Wendy Galbreath): Two sites are still open, but are moving to consolidate to one at Clio Road warehouse. We want 4 out of the 20 vehicles to be pre-loaded tonight—only 4, so that water won't be frozen in the outdoor temperatures. Rain parkas are on their way to ARC and EOC locations.

MSP SEOC Planning Section (Amanda Bresler): [something…] warehouse data, app numbers, [something else] numbers should therefore be available here to analyze.

SEOC Recovery Branch (MSP Brianna Briggs): Good progress today. Plan in place. Supply the pods first, then the teams. Pre-load vehicles with potentially everything needed throughout day, with a resupply then available if needed.

ARC (Lauren Twohig): We want to increase resource teams and daily volume, to increase the number of households reached.

PIO (Nicole Lisabeth): Capt. Kelenske gave a legislative briefing. We updated the talking points. We'd like to issue a news release containing specific numbers on personnel and resource distribution, but we still need to confirm some of these numbers before the press release can be made. The ARC news release will probably be delayed a couple of days. The MING could still get a news release out today. MDHHS has new blood level test results, to be placed online as soon as possible. An inquiry was received from Jackson, MI regional HHS regarding donated water plus a Wal Mart truck, but it is best to have a coordinated statewide response over separate individual agency activities. Media were at the Genesee County office building all day today, due to Governor and Mayor meetings. Still awaiting a city PIO at the JIC. Updating web site information on 2-1-1 and other topics. Confusion exists regarding FEMA, which is not actually a source of the water so far. The JIC is getting requests (media and legislative) for the presidential declaration request letter itself. The Governor did release yesterday's letter to Detroit newspapers. (Capt. Kelenske: concerned that information from such a release is not final, and therefore will require clarification.) We're requesting better coordination with Governor's office, etc.

Capt. Kelenske: SEOC operating hours are still 8am to 8pm until the situation stabilizes. Please arrange staffing for your agency. Leave contact information if not directly represented by a person at the SEOC. The JIC should be prepared for an upcoming legislative call with the Captain and FCO, when a response is received on the declaration request. We want to increase MING staff from 50 to over 65, but that will need to be approved first. A group [I didn't note who] is doing some sort of mobile testing in Flint. There was an SEOC briefing on stress and emotions, providing handouts with tips—take a minute to obtain and read those. The Lieutenant-Governor is here.

Lt. Gov. Brian Calley: Offering thanks and appreciation. The anxiety level in Flint is being reduced. As immediate needs are being met, longer-term aspects can be more focused on. Thanks for the high level of professionalism under trying and difficult circumstances.

MSP Amanda Bresler: Situation reports due at 6pm. Next briefing will be tomorrow at 9:30am.

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, January 15, 2016 11:54 AM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 15 pm AM.docx

Attached is the new document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 15, 2015 - 1st daily SEOC briefing (9:30am):

MSP SEOC Planning Section (Amanda Bresler): Reads off the battle rhythm for the day. Yesterday's IAP was approved.

MSP SEOC Operations (Gabe Covey): The top priority today is tracking to ensure that adequate staff and resources are in the field. We are setting up the Water Resource Teams for the weekend. The Governor had asked for a declaration of both an emergency and disaster by the federal government yesterday. Working to improve coordination with JIC.

National Weather Service (Jim Askow sp?): It will be about 40 degrees F all day today but afternoon rains will cause some slippery conditions. Temperatures drop tonight. It will be very cold Saturday through next week. Standing water will freeze in place tomorrow morning. Sunday's high temperature will be about 15 degrees F. Becoming breezy on later days, through next week, again resulting in circumstances in which exposed skin risks frostbite in 15 to 30 minutes outdoors.

Capt. Kelenske: We have intended to give credit to all who were involved, but some agencies were recently missed when trying to list them all.

(Health and Environmental Branch: next several respondents)

? (Kathy Wald): The CHECC will be open Saturday, Sunday, and Monday, helping with the county phone banks on those days. Coordinating with GIS regarding those who are dependent upon medical equipment in their homes. Data is being obtained and provided to GIS. Genesee County Health Department requesting 10,000 copies of an EPA document, so MDTMB will arrange (Capt. Kelenske: or EPA itself can provide them).

MDARD (Brad Deacon): Prioritizing food facilities for follow-up next week. Coordinating with DEQ.

LARA (?): 20% of the 244 health facilities [something - Too fast for notetaking]

MDEQ (Jen Wolf): Working on teams for the plan [for? and?] testing water [at schools?]. Logistics of 10,000 water bottles' assembly and distribution.

"Human Services Branch" [MDHHS? (Rich Thelen?)]: Filter and cartridge numbers were stated. Reordering is necessary today. Met with Finance, figuring out stuff with others. (Capt. Kelenske: Yesterday there was a budget meeting with SBO [?].)

MI Dept. of Education (Kevin Wolff?): Coordinating with private and parochial schools. [something else; didn't catch it]

Dept. of Civil Rights (Mark Bishop): The EPA document is available online in multiple languages, has been handed out at schools. Would be good to coordinate with these other agencies and order more copies to meet everyone's needs.

? (Brian ?): door-to-door [something - TOO FAST FOR NOTETAKING!]

State Office Services to the Aging (Steve Betterly): The Valley Area office (and Kathy Bolz) referral issue has been resolved by MSP Michelle Kuzera. 400 new addresses of "my choice waiver clients" [?] were received and forwarded to GIS. Information on independent and assisted living facilities in Flint (non-regulated congregate settings) to overlay onto the existing heat map. Received question on

Legionnaire's Disease—any connection known? (Capt. Kelenske: no known connection. May need to put out a statement from DHHS or the Governor for PIO use.) Question on whether the heat map (by Dr. Mona Hanna-Attisha) is available to the public. (Capt. Kelenske: It is already available, open source.)

American Red Cross (Paul Spata): Many persons are asking about Legionnaire's Disease at the Flint fire stations. (Capt. Kelenske: Again, we will check this morning with the Governor on how to keep these topics disconnected. It's okay for fire stations to refer people to the web site, but there's a problem with providing handouts there and connecting the topics.) Five sites were staffed by ARC yesterday, but the MI National Guard takes over the staffing today. ARC is supporting the Water Response Teams today, and continuing to operate the Volunteer Reception Center. Supporting the distribution of materials, and providing warehouse operations management.

ARC (Lauren Twohig): Describes some sort of coordination. [Too fast for notetaking.]

MSP (? Over phone): States various numbers of volunteer state employees. teams are in the field, in wards 5 to 7 of the city. The ARC has an additional 5 teams, focusing on Ward 6. The I-Pad issue was partly the result of low temperatures, and partly related to software and operator handling of the software. Working with MDTMB on software to prevent I-Pad problems. (Capt. Kelenske: If there is a way to weatherproof them, let us know how to help.) Could use rain ponchos. (Capt. Kelenske: Will do.) Various sign-ups so far for working on Saturday (24), Sunday (39), and Monday (46). Working with Penske on truck donations.

MI Dept. of Corrections (?): Total of 14 vehicles including a handicap-accessible van.

MI National Guard (Lt.-Col. Randall): "O and O" [?] at local EOC. Have been transitioning into pods, which is going well. (Capt. Kelenske: TAG discussions—will provide info separately, soon. No tents are to be used.)

MDTMB (Jeannette Doll): Specialized items are available at the Mundy Township Home Depot, to use in the pilot (such as water bubblers). Volunteer identification badges should be available today. (Capt. Kelenske: We'll discuss re: "Volunteer" on badge design, since not all workers are volunteers.) Something was also said about fuel cards and employee "Survey Monkey" [unclear].

Attorney General (Peter Manning): Will be submitting some legal questions.

MSP SEOC Logistics Section (Wendy Galbreath): Working with Jeannette Doll (MDTMB) on the *consolidated warehouse. Today is day 1 of the plan.*

MSP SEOC Planning Section (Amanda Bresler): Situation reports due again by 6pm today.

MSP Recovery Branch (Brianna Briggs): Working on the weekend team logistics, and on identifying standardized information to be submitted daily (rather than repeatedly asked for).

PIO/JIC (Nicole Lisabeth): The Governor stopped by at a fire station, unannounced. Positive media regarding the federal declaration request that was made. No known media errors identified lately. A legislative briefing occurs today. There have been a couple requests for the presidential request letter (Capt. Kelenske: Not available publicly yet. Its release is to be discussed first for approval.) Today there are 3 news releases. Potential on Saturday for [something]. Attorney General Schuette: sending out some info on his investigation. Today there is a Time Magazine interview with Dr. Eden Wells. Please notify the JIC of any agency messages that are being sent out. A Governor's statement is being made

today about returning additional powers to the Flint mayor. The Genesee County Health Department is on furlough right now, so people should dial 2-1-1 instead.

MSP Capt. Kelenske: At about 11am, 50,000 phone lines in Flint will receive a message from the Governor. This could cause a spike in calls to 2-1-1 as well as in the demand for supplies. Would like to get a briefing to the Mayor of Flint and to the Governor, summarizing agency actions. Please send bullet points to Gabe Covey (MSP Operations Chief) for him to assemble for this list of specific things being done. More items are better for the list, but each item should be short. SEOC hours will continue to be from 8a to 8p on Saturday, Sunday, and Monday. The #1 focus is on the pods, for distribution of water resources to Flint. If necessary, the field teams will support these pods if there is a need.

Sobocinski, Mike (MSP)

From: Downs, Nancy (MSP)
Sent: Friday, January 15, 2016 9:50 AM
To: MSP-EMHSD-Division
Subject: RE: Coding for City of Flint Water Contamination incident

Just a reminder, you must enter DAILY comments for your overtime in the overtime hours type!

Thank you

From: Downs, Nancy (MSP)
Sent: Friday, January 15, 2016 8:26 AM
To: MSP-EMHSD-Division
Subject: RE: Coding for City of Flint Water Contamination incident

For those of you working overtime Friday and/or Saturday this week, please submit your time at the end of your last day worked this pay period. All time must be submitted by the end of the day Saturday (tomorrow).

Thank you,
Nancy

From: Downs, Nancy (MSP)
Sent: Wednesday, January 13, 2016 9:04 AM
To: MSP-EMHSD-Division
Subject: RE: Coding for City of Flint Water Contamination incident

Good Morning,

Attached are the guidelines for entering your time in DCDS by coding block for those of you that are working **overtime** for the City of Flint Contamination/Shortage event. Please use **Index 28900 with PCA 28670** for overtime worked for this event. Do not use these codes for your regular hours.

Please contact one of the division timekeepers if you need additional guidance in entering the special codes for recording your overtime worked on this special event. Division timekeepers are Michelle Gilsdorf, Richard Sheaffer, and Nancy Downs.

Thank you,
Nancy

From: Burger, Penelope (MSP)
Sent: Wednesday, January 06, 2016 1:17 PM
To: MSP-EMHSD-Division
Cc: MSP-SEOCOPSC; MSP-seocfgc; MSP-seoclgc
Subject: Coding for City of Flint Water Contamination incident

Good Afternoon:

For any **overtime hours** spent working in the SEOC with the City of Flint Water Contamination/Shortage event, please use the following coding:

Index 28900 with PCA 28670

Any non-payroll costs (travel, SEOC meals during activation, etc.) should be coded to:

Index 28900 with PCA 28671.

These codes are not yet active in DCDS but will be by the end of the week. Please let me know if you have any questions.

Thanks,
Penny

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police
Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046
Cell:

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Thursday, January 14, 2016 6:09 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 14 pm.docx

Attached is the new document with my notes from today's 4pm SEOC briefing – but just the agency report part, not the initial tactics portion which will have to be covered using the details provided on the ICS 204 forms.
Green highlighting denotes my extra comments or areas of uncertainty. I left out one item that was designated as for SEOC information only.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 14, 2015 - 2nd daily SEOC briefing (4:00am):

[NOTE: The initial tactics was much too rapidly paced to take notes on, and its content should be available once the ICS 204 forms are all submitted.]

(Health and Environmental Branch: first several respondents, including Office on Aging)

DHHS (Jennifer ?): Working on nutrition plan and behavioral health work.

MDARD (Brad Deacon): Food guidance went out in today's mail. Now working to prioritize sites in the most at-risk zones (the redder zones on a map) for forthcoming inspections.

MDEQ (Jen Wolf): Only 80 samples are present at Flint, perhaps because the only two collection sites for them are at City Hall and the Water Treatment Plant, and the plant might not be on the bus transit routes. May need to make fire stations into collection points, but indications had been that they didn't want to be responsible. The governor wants 8 teams—staff is needed who have some scientific background. Many bottles are coming in (overseen by American Red Cross?) Lot testing is needed to verify bottle cleanliness after they've been received from the vendor.

MDLARA (Karen Towne): Supplies were received. Pilot project installation to occur Saturday, with testing on Sunday.

MDHHS (Brian Wilson): Volunteers in the field have been receiving a lot of positive feedback from the community. IPad operation was much better today—fewer delays.

American Red Cross (ARC) (Lauren ?): Standardization of water response teams [??Can't be sure this completely represents her statement. It went by too quickly!]

ARC (Paul Spata): Continued to staff the 5 fire stations. Coordinating with MING regarding their staffing over the weekend.

State Office on Aging (Steve Betterley): Coordination of referrals problem was successfully solved by Michelle Kuzera. Still in the process of identifying senior addresses in Flint who may need assistance.

MSP Public Safety: [some 2330 number rattled off along with a bunch of other stuff. Possibly the number is a cumulative number of doors visited to date by field teams??. Way too much info, presented in too fleeting a manner to capture any of it in written notes. ☹☹☹☹☹☹☹☹☹☹☹☹☹]

MDMVA/MING (unidentified speaker in SEOC): Hotel rooms confirmed for 35 [something - soldiers??] who will be there. Each pod is to have a government phone (and?) Blackberries. List provided to planners. Providing liaison to local EOC and a PIO to the JIC.

MDTMB (Jeannette Doll?): Four U-Haul trucks were obtained. Working on resource requests all day.

Local EOC MSP Liaison (Lt. B.J. Roach): Working with churches to coordinate. (Capt. Kelenske: Is a person available to handle that duty and thus free her up for many other tasks?)

MSP Logistics (Wendy Galbreath): Many requests regarding volunteer donations. Penske offered 15 to 20 trucks, Dean transportation has drivers available. Confusion regarding whether to go to EOC or to GCCARD, but that's now cleared up. MSHDA's 24 Flint properties are to get filters installed. "Zero water" [??] news event—to offer match (i.e. donations?) of filters.

MSP SEOC Planning (Amanda Bresler): Logistics resource plan and IAP work today—need info as soon as possible. Situation reports are due by 6pm.

MSP Recovery Team (Kriste Davis): Planning involving the teams and coordination (mostly covered by others).

JIC/PIO (Shannon [illegible]): The email for state employees has been drafted, and is being reviewed. Several media requests received for warehouse events but need to be delayed until the transition is done and the warehouse is operating smoothly (in about 2 days?). Found no major media errors today. Many questions are pending and the list of them is growing in number—need info from the SEOC to answer them—especially needed for rumor control, since the same questions are being asked by activists. Trouble getting in contact with local community PIOs and need help to contact them. (Capt. Kelenske: need documentation of unsuccessful contact efforts, and submission of an actual list of questions; a follow-up call will occur on this topic.)

Capt. Kelenske: Met with TAG ([illegible]) today—General Vadinez ([illegible]). There's an issue involving used empty water bottles—a recycling system needs to be provided (regardless of whether it actually receives widespread use) so there isn't an issue with empty bottles everywhere. West Virginia has an after-action report which probably has good ideas about handling this. The next briefing will be tomorrow at 9:30am.

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Thursday, January 14, 2016 2:26 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 14 am.docx

Attached is the new document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 14, 2015 - 1st daily SEOC briefing (9:30am):

MSP SEOC Planning (Amanda Bresler): A 10:30am distribution process meeting has been added to the battle rhythm. Today is a "planning day" [this phrase was still not clearly explained but might refer to the development of a new IAP]. 12:30pm submission deadline for the ICS 204 form. Developing the IAP for the next operational period. (Numerous objectives were read aloud.)

MDEQ (George ?): There's been a question of when the water is to be considered safe. A tentative SEOC answer (*not for public dissemination yet*) – since the question is complex, it will result from a consensus decision of all major partners, including locals. Copper and lead rules: a new 6-month monitoring period has just begun in Flint, involving a June 30 deadline for 60 samples to be tested for Cu, Pb. This routine schedule is of course too long for our current circumstances. Since December 9, phosphate supplements had been added to discourage pipe corrosion, rebuild a protective layer. There's a meeting with the Flint mayor regarding various system access points beyond the Pb and Cu rule's minimum test requirements. Seeking resident volunteers for monthly water test, to start analyzing trends over time. (Capt. Kelenske: It's being asked during the door-to-door visits, and over 60 so far have agreed. This info will be sent to DEQ.)

MSP SEOC Operations Section (Gabe Covey): An additional 80,000 square feet of warehouse space has been secured.

National Weather Service (Jim Askew?): Temperatures go up to the freezing point today. A mixture of snow and drizzle with the potential for icy roads where roads have been left untreated. Tomorrow from about 11am until about 6pm we expect rain showers, with the high temperatures around 40 degrees F. Not too much rain, a little ponding potential. Then from Friday evening, a little snow, as Saturday temperatures would be back down in the teens again and also during next week. Just one brief warm-up over the next day.

(Health and Environmental Branch, next few agencies)

MDHHS (Jennifer ?): Subject matter experts are in the CHECC working on yesterday's question regarding emergency vs. disaster eligibility of a particular program under the Stafford Act. Working on the stress effects of the event upon mental health. Developing educational materials and messaging. Developing short and long-term goals regarding the "food desert situation." [NOTE: Afterward I gave her my contact info to join discussion of definitions and alternatives related transportation access ideas such as providing paid bus passes to improve food access.]

MDARD (Brad Deacon): A revised handout was approved and is being mailed out to food service locations, and web posting. Inspections of these locations will begin.

MDLARA (Karen Towne): Something about a pilot project (involving, or in addition to?) insulation and retesting. There's a question involving licensed in-home child-care facilities (up to 6 kids?) and asking them whether they want to be water testing sites. Will research whether the authority exists to require testing.

MDEQ (Jen Wolf): Ensuring the transport and storage of water test kits. Heard a report of non-residential (e.g. businesses) told that the kits were only for residential units, but this is not true and therefore must be corrected. Test kits, etc. are free to all, not just residential: "No one gets turned away for anything."

MDHHS? (Richard Thelen): A database with more than 17,000 addresses was supplied to the GIS section. 2-1-1 inquiry regarding whether State Emergency Relief (SER) is available. Will need to develop messaging on this topic, to explain to everyone what it is and what is available.

Lauren (Loren?) of the American Red Cross?: A logistics pipeline plan [is/was/is being?] developed.

American Red Cross (Paul Spata): Volunteer Reception Center was opened but not yet publicized, because it's first day was to test its processes to ensure they will be up to speed. About 6 volunteers were processed yesterday. Today, it should be fully open. Ten emergency response vehicles were staged to support the response teams in the field.

Department of Education (Louie Burgess): Receiving calls from federal level regarding things like unlicensed child care centers (residential, for up to 4 kids at a time). Checking into information for those inquiries. A 17-level departmental director is now on the educational planning team. The department is seeking contact with the Flint school district for something... [very unclear]

MDHHS (Brian Wilson): Volunteers remain active in Flint.

State Office on Aging? (Steve Betterley): Sent at least 500 additional names to GIS staff yesterday. The Valley Area Agency on Aging raised a question regarding GCCARD: something about it not being involved in something [I didn't discern the details in any coherent way], and Michelle Kuzera, MSP representative at the local EOC, will follow up with Kathy Bolz (sp?) to resolve the issue. Getting information on Medicaid waiver clients. Teri Simmons (sp?) will represent this office for the 4pm briefing.

MSP Public Safety (Inspector Bolger): MSP is at the local EOC. [Phone-in participants interrupted numerous times with information; I'm not totally sure who said what in the end.] Buses are being used to shuttle residents. 36 MSP volunteers available today for Flint activities. Adequate filters and water are on hand right now (at least 1000). Wrapping up with the southwest side of Flint today, and proceeding to the north and northeast sides starting tomorrow. Discussion about different teams having different sizes, creating confusion over estimates of how many total persons are on them...between 4 and 15 persons per team? (Captain Kelenske directs a standardized number on each team, with accurate summary info presented to him in writing. A 10:30am follow-up call was agreed to.) Obtained trailers were not all adequate for their required purpose, such as being open-top trailers—situation must be resolved.

MDMVA / MING (?): All went well yesterday with the National Guard soldiers posted at the fire stations. More than 30 troops are being used today. 1pm media address occurring today. Tomorrow at 9am, 3 soldiers will be assigned to each fire station.

MDTMB (Jeannette Doll): Getting water moved over to Clio. A water-order program is in process. U-Haul trucks are being ordered to fill the MSP resource transportation needs. Have upgraded now to a $30 million Home Depot contract. Replacement filters are important for long-term recovery.

Local EMHSD Liaison [MSP's Michelle Kuzera?]: Working on planning tasks and processes for the homebound.

MSP SEOC Logistics (Wendy Galbreath): Site visit took place yesterday (with Lauren) to check into new locations. Three locations are now moving toward one large location at Clio Road, which has its own experienced crew for loading and unloading trucks, plus a Red Cross warehouse manager. Daily logistics meetings now occur at 10:30am (brief) and at 7pm (longer). Court Street and GCCARD will have their resources moved to and consolidated at Clio. (MSP's Kriste Davis: Mission-ready packages MRPs. Working toward standardized teams of similar size, plan being pushed up to work on it today. Yesterday's final numbers turned out to be 492 occupied homes visited (total 653, implied to include vacant ones).) About 2 minutes per door – a good rate of field work.

PIO/JIC (Shannon ?): Reviewing fact sheets. Michigan Association of Broadcasters sending radio PSA today. Received a request for door-to-door team credentialing (with official ID). If this is to be used, info will be needed for official distribution. (Capt. Kelenske: Each team has either a sheriff or MSP vehicle, "marked unit car." Someone else: the problem may be when teams cover an entire block, with the 1 vehicle not easily visible to every household.)

MSP Planning (Amanda Bresler): Improving the pod technology thanks to MSP James Tchorzynski's work there. Meeting with agencies to help with ICS 204 forms. 6pm situation reports are due. Next briefing will be at 4pm.

Capt. Kelenske: Senator Arenic(?) was met with and shown the SEOC; appeared impressed.

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 5:45 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 13.docx

Attached is the new document with my notes from today's 4pm SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 13, 2015 - 2nd daily SEOC briefing (4:00pm):

MSP SEOC (Brianna Briggs): leads the meeting: Agency situation reports are due by 6pm. "Tomorrow is a planning day." [No explanation for this statement was provided!] Agencies, be sure to update 204 forms tactics, especially pods, teams, warehouses, etc.

(Health and Environmental Branch, next few agencies) MDHHS Community Health (Kathy Wahl [sp?]): Working on nutritional plan with several other agencies. Lori ([Laura?]) Sempler ([sp?]) will be the lead on that plan. Disaster behavioral health coordination is occurring, with CHECC exploring options, checking with DTAC at SAMSA [references not explained], targeted to Stafford Act qualifications. (Capt. Kelenske: does it qualify under an emergency such as this? This needs to be verified.) Some wording changes were suggested for the fact sheet.

MDARD (Brad Deacon): Mailing out food establishment requirements—about 800 of them.

MDEQ (Jen Wolf): Conversation about bringing more health people into the ([local?]) EOC.

M???: Two of the 5 trucks loaded with water filters are at the GCCARD. 10,700 filters, [two other large numbers were given for other types of resource there, rattled off too quickly for my poor & tired writing hand to keep up with]

American Red Cross (Paul Spata): Staffing fire station points of distribution. Further coordination with MI National Guard (MING) on staffing. Volunteer reception center was up today; numbers to be reported in the sit rep tonight. Fielding a request to feed field response teams.

MDHHS (Brian Wilson): Their volunteers are still in the field. Heard concerns about some IPads not functioning in the cold, then seemed to work better? Awaiting confirmation of replenished stock.

Offices of Services on Aging (Steve Betterly): Valley Area Agency on Aging has been fielding calls. Something fell apart regarding the schedule of water/filter deliveries—need to get in touch with local EOC on this. (Brian Wilson: probably fixed last night.) (Michelle Kuzera?: Local EOC confirms follow-up to occur [She disappears from phone suddenly, not to reappear]).

Capt. Kelenske: Any more personnel needed by the Sheriff's department for deliveries?

[Unknown replacement on phone from local EOC]: Being handled okay by the locals so far.

Capt. Kelenske: Consider replacing sheriff staff with area health and social work specialists, to better match staff with their expertise and free up sheriff personnel for their normal duties. (Services on Aging ([Steve?]): off-duty teams are available to help with phone lines and resource distribution.)

MSP: Working with MDOT for shuttle vans, working with Public Affairs re: state agency volunteers for the weekend.

MI National Guard (Colonel Reynolds): 1 full-time staff at each of the 5 "pods." Friday morning 9am will resume handing out water at the pods. 800 MHz channel. MING needed 33 volunteers, and actually

obtained 48. (Capt. Kelenske: Any feedback on public reaction or questions re: MING soldier presence? A: not known.)

MDTMB (Jeannette Doll): A warehouse has been located at another site. Red Cross and MSP Wendy Galbreath are checking it out as a replacement for the other site that had problems (Court Street school district site). Stuff is to be moved from the old to new site. Based upon truck loads, will be maintaining 8 truck loads per day through Saturday, available on Sunday too, if needed. 117,000 filters coming in, and 139,000 faucet (founts???). Tablets are coming in tonight to the EOC for GIS staff to download an app, then going to Flint in the morning. Information cards sent to Flint. 15 trucks are waiting. (Capt. Kelenske: They must offload somewhere and not wait.) Only 1 loading dock at each facility. Court Street won't work—told that it was vacant and had 80,000 square feet, but it was full. (Someone on phone, Jackie Hampton perhaps?, later announces that the site will be available tonight, after all. Commissioner Curtis had prompted warehouse emptying which is allowing trucks to be moved there now. Equipment and staff available to unload, with warehouse reportedly able to be cleared out tonight. A Dort Highway location is being investigated for suitability.)

Local EOC (unknown person): Information entry and radio [channels?] seem good. Only the issue of supplies waiting on the road (presumably: on trucks or in transport) must be cleared up.

MSP SEOC Logistics (Penny Burger): Working on trailers and vehicles from Department of Corrections, for door-to-door campaign. Coordinating with MSP for Thursday and Friday volunteers. Financial analysis being finished up—to be reviewed first by Captain Kelenske before submission.

MSP SOEC Planning (Zach Baker? Couldn't see across room.): Progress on tracking inventory. Sit reps due at 6pm.

MSP SEOC Recovery Team (Kriste Davis): Some numbers may not be in yet—issue of paper substitute for frozen IPads. 394 homes were visited yesterday, plus 378 more today, possibly more, once additional reports are processed. Even if number appears lower today, there was a smaller number of vacant homes today, so the actual number of inhabited homes is higher today. Working with the Red Cross this weekend for teams. Monday is a holiday. (Capt. Kelenske: Any info on community reaction? A: No info yet.)

JIC/PIO (Shannon Banner?): Media hotline saw a markedly increased number of calls, although it was not overloaded. Some media questions need answers to come from the SEOC. Good collaboration with 2-1-1, county, and state agency PIOs. Could use the local PIO today, though. From 11:30a to 12:30p there was a media briefing at fire station #3—very good media turnout, positive in tone. Waiting for the logo approval (from local and county) for the response team. (Capt. Kelenske: How is 2-1-1 doing—being monitored for success of call handling, good staffing levels, etc.? Nicole Lisabeth [JIC/PIO]: 2-1-1 is going well.

(Phone discussion regarding Legionnaire's disease report—unclear who the participants were.)

Capt. Kelenske: DHHS will handle those Legionnaire's-related questions through separate, normal channels, not through the SEOC or local EOC but through other channels, as a separate matter.

SEOC Planning Brianna Briggs: The next briefing will be tomorrow at 9:30am.

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 3:57 PM
To: Weber, Thomas (MSP)
Subject: "food desert"

I collected a bit of data and just did some discussion about the conflicting definitions of "food desert."
I understand the consideration given in recent years to the concept of "food deserts" but so far I do not see much evidence that any part of Flint should probably qualify as having that problem. It's good that people are concerned, but I think their concerns should reflect realistic challenges and mainstream preferences, rather than idealistic ones proffered by a particular subset of researchers.

Some of the main issues include:

1. A homebound person by definition will not be able to readily access a good food grocery source even if it is located right next door to them (this is a disabililty/mobility limitation issue, not a supply or "desert" issue).
2. Unrealistic definitions which place too much emphasis upon middle class preferences for particular types of fresh produce stands, and don't accept the viability of other sources of the same nutrients (e.g. frozen vegetables, satisfying ethnic dishes rather than just traditional American "tossed salad" ingredients).
3. A narrow focus upon particular definitions of "walkability" that often does not take into account the transit system. Too many researchers presume that someone without a car is simply stuck—not considering the use of buses or getting rides from friends and family. Each public bus route in Flint (see map below) provides access to the downtown bus service center, which is near the farmer's market (for those who want/require fresh produce of a certain type). One of our viable response options could be to provide bus passes to those who don't otherwise have decent transportation options in the city. The question should therefore shift to figuring out whether in-need persons live within a certain range of transit stops, or whether they are adequately served by shuttles, meals on wheels, etc, rather than whether there is a qualifying grocer within a walkable radius of every home.
4. A blanket categorical dismissal of certain kinds of food sources as either nutritionally inadequate (e.g. so-called "fast food," as if it's all the same and all unsuitable), or overpriced (i.e. as if *all* restaurants are necessarily a form of luxury spending that would be of no interest to persons of low income).

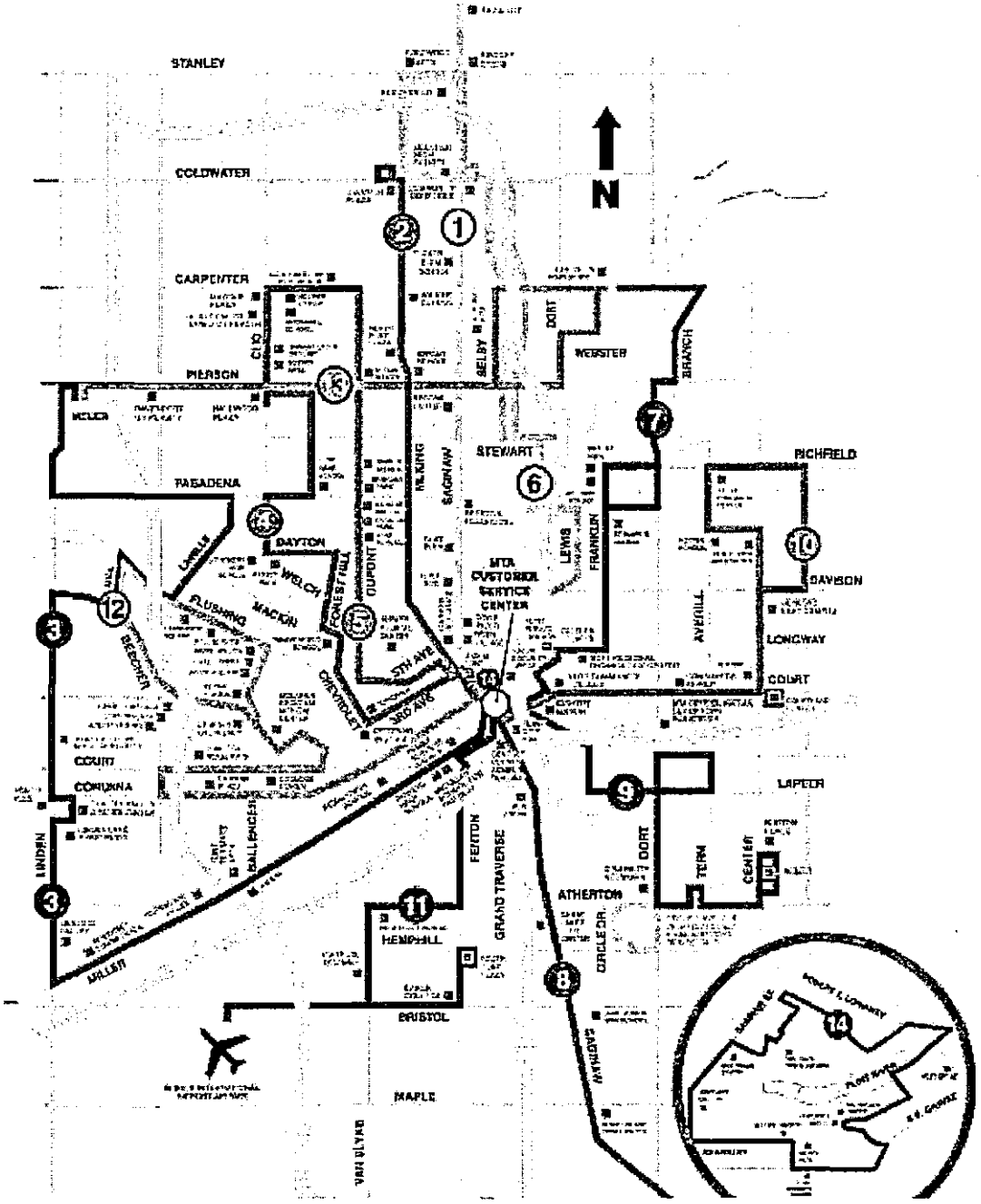
From my own first-hand experiences living in poverty in Lansing with no car, I find that most persons in Michigan cities who want a nutritionally balanced diet have ways of satisfying it. Ways which many researchers apparently could not think of. One of the real complications in any case (whether walking to a nearby food market or taking a bus to Meijer) concerns crime and people's fear of it, which realistically forms a separate issue.

In my experience, the correct approach to exploring the topic is not to seek to define places as being a "food desert," but to realistically assess what challenges each resident might face when obtaining food for a healthy diet. Those who own and can use their cars will not have much of a problem accessing whatever foods are in the whole urban area. Those who have friends/relatives with cars might not have much of a problem, either. Those who are homebound clearly would need help, but this would be true regardless of whether they're in a "food desert" or not. Those who don't have the use of a car should be assessed as to whether they have viable access to transit. In the city of Flint, there appears to be pretty good bus route coverage. There are also a lot of restaurants and small groceries. Not all groceries are necessarily carry a full array of food types, of course, but their quality should not be pre-judged (by researchers or by formulas) as "bad" merely due to their relatively small size (or by their sales of tobacco and alcohol – after all, huge places like Meijer also have huge alcohol sections). Some restaurants are certainly overpriced, but again not all restaurants should be presumed to be completely unaffordable to the poor. After all, this is why places like McDonald's and Wendy's have "value" or "dollar menus" – these cost more than they would at Meijer, but are frequently used by patrons with very tight budgets. And even though these places do offer a lot of high-fat, high-sodium foods, it doesn't mean that someone who actually seeks a balanced diet can't find any decent food there. McDonald's discount menu,

for example, offers a side salad and a fruit yogurt cup. Plain baked potatoes, chili, etc. are quite affordable at Wendy's. A Subway vegetarian sub is pretty wholesome stuff. Yet, strict researcher definitions have confused overall consumer preferences with the "unavailability" of nutritional food, and many "food desert" studies have dismissed viable nearby food options out-of-hand, categorically, as "fast food" or as not "whole foods" that appeal to particular standards that exceed FDA definitions for a balanced and nutritious diet. A low-calorie tossed salad from a farmer's market is considered "good" even if most people consider it unsatisfying as a meal, while a satisfying vegetable stir-fry from a local Asian restaurant or market is somehow dismissed by researchers because it's cooked into a hot meal instead of served in raw salad form? Many of the academic studies seem not to realize that a low-calorie salad which might satisfy a sedentary professional office worker is generally unsatisfying to someone whose caloric needs (for example as an outdoor manual laborer) are simply higher.

If you hear about anyone actually meeting to plan for or discuss this topic, please let me know. I doubt that the actual issue or realistic solution is to provide more "decent" grocery stores in Flint so much as to instead serve those who actually have difficulties obtaining transportation to get where they need to—those who neither have access to a car nor are able to make use of the city bus system. It's easier to provide bus passes than to set up particular kinds of food outlets in every neighborhood.

http://mtaflint.org/guide/fixedRoute.php



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4000 Collins Road
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TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

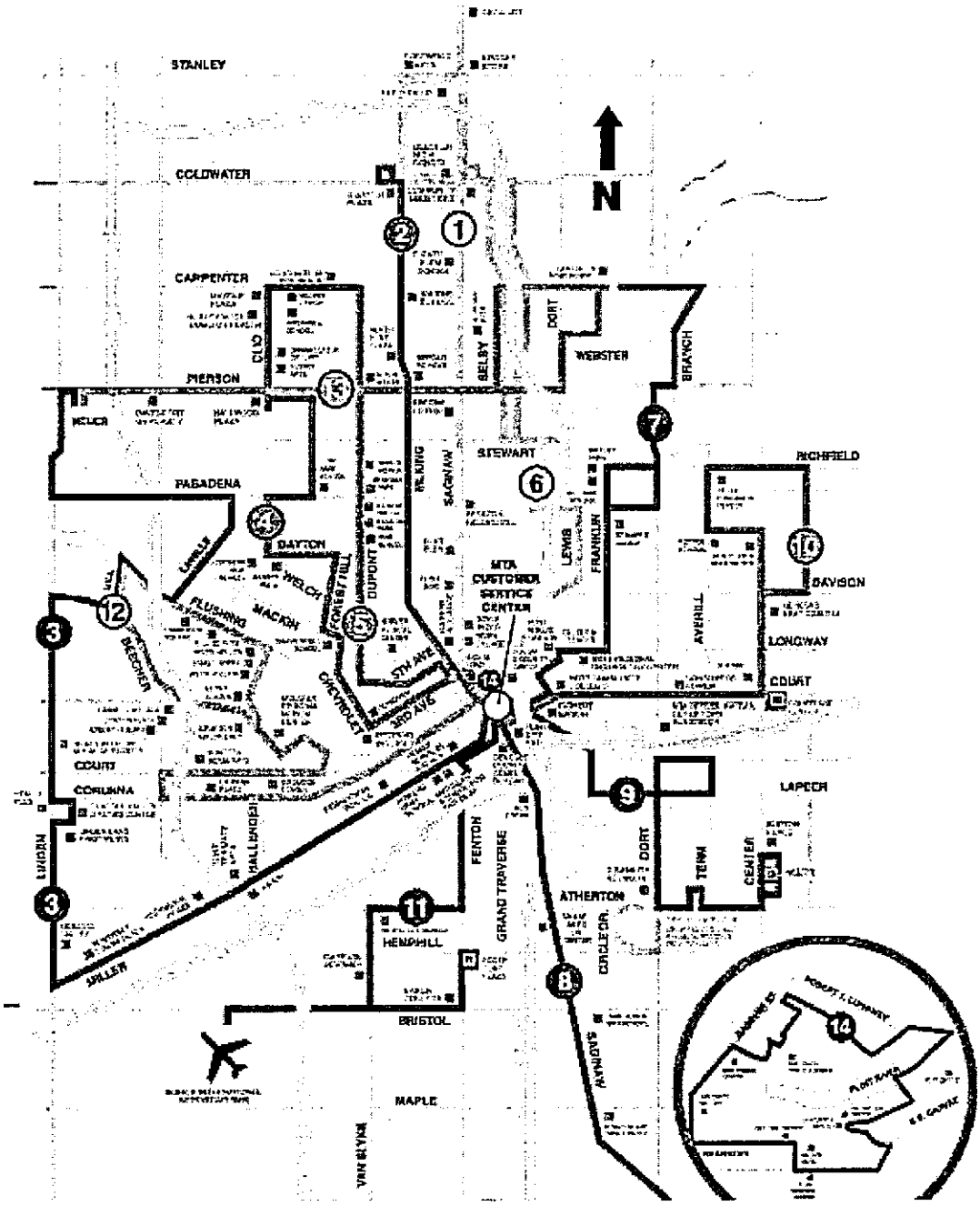
Sobocinski, Mike (MSP)

From: MSP-SEOCGIS2
Sent: Wednesday, January 13, 2016 2:50 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Food Establishments

No.

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 2:50 PM
To: MSP-SEOCGIS2
Subject: RE: Food Establishments

Was there any map layer developed/obtained for the Flint city bus (MTA) system routes?
http://mtaflint.org/guide/fixedRoute.php



From: MSP-SEOCGIS2
Sent: Wednesday, January 13, 2016 2:44 PM
To: Sobocinski, Mike (MSP)
Subject: Food Establishments

They gave no explanation for the codes of the license type. The spreadsheet was provided by MDARD.

Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 2:40 PM
To: Sobocinski, Mike (MSP)
Subject: RE: unemployment

I did, thanks for the followup!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 2:31 PM
To: Weber, Thomas (MSP)
Subject: RE: unemployment

The latest full 1-year-average stats, from the Census Bureau's American Community Survey, are as follows:

United States (population age 16+):	7.2%
State of Michigan:	8.3%
Genesee County:	11.9%
City of Flint:	23.9%

Hope you received by other message about BLS not producing its latest monthly data for a single city of Flint's size... So this source provides all 4 levels of interest, and 2014 is the newest currently available.

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 8:49 AM
To: Sobocinski, Mike (MSP)
Subject: unemployment

Mike, where/what time frame did the unemployment rates come from? I don't think the state unemployment rate is nearly that high. I think given the nebulous time frame of the disaster, but assuming it's late September from when the County Health Department began the emergency, we should use unemployment rates from early September.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 2:20 PM
To: Graham, Mitch (MSP)
Subject: RE: Volunteers needed for water resource teams in Flint

Flint has some good used book and video stores. ☺

From: Graham, Mitch (MSP)
Sent: Wednesday, January 13, 2016 2:19 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Volunteers needed for water resource teams in Flint

I talked to Tom. He said he doesn't know anything but will let me know when he finds out info. He said I could go though.

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 1:33 PM
To: Graham, Mitch (MSP)
Subject: RE: Volunteers needed for water resource teams in Flint

He hasn't acknowledged my last few messages, either, about questions/data he specifically asked about.
So he's just too busy right now. Feel free to go over and ask him briefly. He'll probably just say "yes, go ahead" unless he needs your help here in the planning section.

From: Graham, Mitch (MSP)
Sent: Wednesday, January 13, 2016 1:23 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Volunteers needed for water resource teams in Flint

Tom never replied about going to Flint. Does that mean I am not going there?

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 4:31 PM
To: Graham, Mitch (MSP)
Subject: FW: Volunteers needed for water resource teams in Flint

The dates in question (see below) are this Thursday and Friday...

M

From: Colonel Etue [mailto:MichStatePolice@govsubscriptions.michigan.gov]
Sent: Tuesday, January 12, 2016 4:25 PM
To: Sobocinski, Mike (MSP)
Subject: Volunteers needed for water resource teams in Flint

Sobocinski, Mike (MSP)

From: Graham, Mitch (MSP)
Sent: Wednesday, January 13, 2016 1:36 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Volunteers needed for water resource teams in Flint

Yes I want to go there tomorrow. It sounds interesting to see what is going on in Flint right now. Plus it would give me a mental break from the Branch County HMP editing, though I have made a lot of progress on Branch County since that is basically all I've done lately.

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 1:33 PM
To: Graham, Mitch (MSP)
Subject: RE: Volunteers needed for water resource teams in Flint

He hasn't acknowledged my last few messages, either, about questions/data he specifically asked about.
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Sent: Wednesday, January 13, 2016 1:23 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Volunteers needed for water resource teams in Flint

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To: Graham, Mitch (MSP)
Subject: FW: Volunteers needed for water resource teams in Flint

The dates in question (see below) are this Thursday and Friday...

M

From: Colonel Etue [mailto:MichStatePolice@govsubscriptions.michigan.gov]
Sent: Tuesday, January 12, 2016 4:25 PM
To: Sobocinski, Mike (MSP)
Subject: Volunteers needed for water resource teams in Flint

The department is soliciting volunteers from within the department, both enlisted and civilian, to join water resource teams working to hand out bottled water, water filters, replacement cartridges, and

water testing kits at homes in the city of Flint. This effort is part of the state's response to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

Volunteers will begin their assignment in Flint at 9 a.m. and end by 4 p.m. Volunteers can be available for one or both days. Lunch will be provided.

Employees chosen for this assignment are considered to be working on-duty; this assignment would be considered their scheduled work day. Overtime or compensatory time is not authorized for this assignment.

Transportation will be provided using state vehicles; mileage reimbursement for personal vehicles is not authorized. Volunteers should dress for working outdoors and wear foot attire appropriate for walking.

Interested employees should obtain the approval of their supervisor. **Supervisors must forward the names of approved volunteers and their email addresses through the chain of command to bureau with the date(s) available by 1p.m. tomorrow, Wednesday, January 13.**

Confirmation of selected employees, along with additional logistical details, will be made via email by 5 p.m. on Wednesday, January 13.

For questions, please contact Insp. Scott Marier at 517-373-7761.

This email was sent to sobocinskim@michigan.gov using GovDelivery, on behalf of: Michigan State Police · 333 S. Grand Ave · P.O. Box 30634 · Lansing, MI 48933

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 12:58 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 13.docx

Attached is the new document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.
Will be doing this again for the 4pm briefing, as well.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 13, 2015 SEOC briefing (9:30am):

MSP SEOC Planning chief (Amanda Bresler): leads the meeting: Agency situation reports are due by 6pm. A new IAP is available. Agencies need to update their "204 forms" throughout the day.

National Weather Service (Jim Askill?): Still cautioning about the potential for frostbite in 30 minutes or less (for exposed skin outdoors). Tomorrow's temperatures are expected to rise to about the freezing point (32 degrees F). Possible light rain on Friday could cause icy roads. The weekend will be a little colder, with occasional snow.

MDHHS (?): CHECC is working on a nutritional plan with other agencies. The plan could address education, short-range and long-range goals, and the mitigation of lead vulnerabilities, perhaps working with a farmer's market. Reference to Flint as a "food desert" and to perhaps open a decent grocery store there. A potential lead impact document has been submitted to planning. Currently considering mental health impacts and resources. Following up with local health departments to determine their staff and support needs.

MDARD (Brad Deacon): A document was approved: Requirements for Licensed Food Establishments using City of Flint Water.

MDLARA (?): Coordinating with MDEQ. MIOSHA scientists are to help with residential water testing.

MDEQ (Jen Wolf): Extra staff are in Flint today to help with kits. A field observer is helping to organize and plan for the transport of kits to the lab. Helping with the request for a presidential declaration.

Human Services (DHHS?) (Rich ?): Reports "zero filtration products" at the fire stations as "Good job!" [Unclear to me exactly what and why he is reporting as good.] Regarding trucks, information is needed about the quantities on them, being distributed.

American Red Cross (Paul Spata): Five fire stations are staffed for resource distribution. [something] management team for GCCARD (Genesee County Community Action Resource Department). Began [?? just the start of ARC involvement, does he mean?] assembling water testing kits. Volunteer reception center is active today. "Lauren" [who??] was brought in for logistics planning in the SEOC.

MDHHS (Brian Wilson): Staff volunteers are on site to help with distribution.

[also MDHHS?] (Steve Federly): Valley Aging is "extracting" data on seniors for use by GIS.

Michigan State Police (?): Teams are out now, matched with sheriff personnel. G-event channels were set up on 800 MHz radio: 9 is the primary and 10 is the secondary channel.

Michigan Department of Corrections (Brent Travelbee): Teams are in the area, assisting. A 50' truck was delivered to the food bank. Local shuttle bus will start tomorrow in the area, able to take about 20 persons at a time to obtain resources.

Michigan National Guard (Chad Randall): Some soldiers are to help at distribution points. Just one per location. MING leaders meeting with Flint mayor today.

MDTMB (Jeannette Doll): There is [some sort of unclear] issue with the Court Street warehouse...something which sounded like it involved its seller having a $2 million liability on it. Might need a food-grade warehouse [not sure whether I heard this phrase correctly]. Working on resource requests and replacement cartridges and water.

MSP SEOC Logistics (Penny Burger): Every agency remember to update past assignments and resource requests in MI CIMS. There's been a request for a budget projection of total costs for this year, which would be hard to do more than just guess at right now.

Recovery Team (Brianna Briggs): "Water Resource Teams" are in the field—that is their official name and is to be used. Could place and maintain an extra 15 teams in the field (Friday). Working with Red Cross to assemble real-time data from "pods" at the fire stations.

PIO/JIC (Nicole Lisabeth): Set up [something; could not make it out]. Good media reports at 11pm last night. Monitoring media and clarifying the role of the MI National Guard, who are at resource sites, not going door to door. Red Cross is dealing with distracting media personnel at water distribution sites. Flint's bus system is now including water resource sites on its routes. Arabic-language information card is proceeding ahead, and logo/branding of water resource teams is being worked on. There was some sort of Legionnaire's Disease report in the media today, according to MDHHS.

MSP SEOC Planning section (Amada Bresler): Resource list to integrate with fire stations and local EOC info. The next briefing is at 4pm today.

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 10:03 AM
To: Weber, Thomas (MSP)
Subject: BLS unempl

Hello –

I pulled up the Bureau of Labor Statistics site to see what unemployment data was available, and it didn't look like they gave data for just the (central) city of Flint. The Flint MSA rate was 4.8% (not seasonally adjusted) in Nov 2015, compared to a state rate of 5.1%. I didn't check yet to see whether the Flint MSA is more than just Genesee County. BLS seems to offer monthly info for US, States, Counties, and MSAs, but for city-specific data, only the 50 largest are given, and Detroit was #50 on that list (16.7%) which was a 2014 annual average rather than just the latest month. Genesee County 2014 annual average was 7.8% but without a city figure to compare this with, it may seem random.

The main source for 2014 unemployment looks like the US Census' American Community Survey, so I can go back there and get unemployment data for all 4 levels pretty quickly if you like.

Since there are two SEOC briefings, I guess I should start attending both and submitting my notes on each briefing I attend (rather than just the morning one I've been doing)?

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Downs, Nancy (MSP)
Sent: Wednesday, January 13, 2016 9:04 AM
To: MSP-EMHSD-Division
Subject: RE: Coding for City of Flint Water Contamination incident
Attachments: DCDS Hours Entry by Coding Block.docx

Good Morning,

Attached are the guidelines for entering your time in DCDS by coding block for those of you that are working **overtime** for the City of Flint Contamination/Shortage event. Please use **Index 28900 with PCA 28670** for overtime worked for this event. Do not use these codes for your regular hours.

Please contact one of the division timekeepers if you need additional guidance in entering the special codes for recording your overtime worked on this special event. Division timekeepers are Michelle Gilsdorf, Richard Sheaffer, and Nancy Downs.

Thank you,
Nancy

From: Burger, Penelope (MSP)
Sent: Wednesday, January 06, 2016 1:17 PM
To: MSP-EMHSD-Division
Cc: MSP-SEOCOPSC; MSP-seocfgc; MSP-seoclgc
Subject: Coding for City of Flint Water Contamination incident

Good Afternoon:

For any **overtime hours** spent working in the SEOC with the City of Flint Water Contamination/Shortage event, please use the following coding:

Index 28900 with PCA 28670

Any **non-payroll** costs (travel, SEOC meals during activation, etc.) should be coded to:

Index 28900 with PCA 28671.

These codes are not yet active in DCDS but will be by the end of the week. Please let me know if you have any questions.

Thanks,
Penny

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police
Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046
Cell:

DCDS Hours Entry by Coding Block

(Last revised 1/28/14)

To change your default entry to Hours by Coding Block Entry:

1. Log into DCDS.
2. Select Options.
3. Check Hours by CB (Coding Block) Entry to change your default.

To enter **work** Hours by Coding Block (regular, overtime, comp time earned, etc.):

1. Open your time sheet as you normally do.
2. You should see an Hours Entry by Coding Block section above the time entry section. *The blue line is the active line.*
3. Click your cursor in the AY box and enter the last 2 digits of the appropriation (fiscal) year.
4. Tab to Index and enter your Index number.
5. Tab to PCA and enter the PCA associated with work you did for the number of hours worked that you worked on it.
6. Move down to the time entry section and select the appropriate Hours Type.
7. Tab to the appropriate day and enter the number of hours associated with the PCA you entered above.
8. Enter daily comments for each Hours Type.
9. Select Save.
10. At the end of the pay period, select Submit.

To enter hours for holidays, comp time used, annual leave, sick leave, school & community leave, bank leave time used, administrative leave, initial leave, jury duty, Plan A:

1. Check the "std" (standard coding) box under the Hours Entry by Coding Block section.
2. Move down to the time entry section and select the appropriate Hours Type.
3. Tab to the appropriate day and enter the number of hours.
4. Enter the required information for school & community leave. Required information includes all of the following: 1) name of the school or community activity sponsor; 2) name of the event; description of the volunteer services performed; and 4) the time period that the employee performed the volunteer services.
5. Select Save.

6. At the end of the pay period, select Submit.

To view your time sheet:

1. Select Reports.
2. Select Employee Data Collection.
3. Selection Option B - Detail Time (or Option A - Coding Block Detail Time).
4. Enter Department 55.
5. Enter Agency 01.
6. Enter TKU 044. (EMHSD)
7. Select the PP (pay period) End Date.
8. Select OK.

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 6:47 PM
To: Weber, Thomas (MSP); plangc
Subject: RE: Flint
Attachments: Flint Request draft MAS 2016.doc

The following revised draft is significantly expanded (but also is now missing most of the extra pages tacked on the end that had been inherited from the 2014 example document).

Hope you find this useful...

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

January ??, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C. 20500

Through: Ms. Janet Odeshoo, Acting Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Michigan as a result of water system problems and their associated public health impacts within the City of Flint (Genesee County), since May 2014.

The current public health emergency involves serious problems with the water quality supplied through the city's system... (Describe physical human impacts – injuries/deaths)

(Describe voluntary agency assistance provided to Flint to assist with this issue: ARC and its level of operation, Salvation Army, Southern Baptists, MIVOAD, other agencies, municipal programs/shelters, etc. Include numbers and dates – cases, persons, amounts, etc.).

(Indicate the States of Emergency declared, by whom, and for which areas.)

(Describe physical damages which have occurred, utility and service disruptions, impacts upon people, effects upon critical facilities, other emergency conditions, health and safety hazards, status of repairs/improvements and their estimated completion dates, if known.)

(Provide information on PDA findings, how/where conducted, accessibility concerns.)

General background/context:
Throughout the 20th Century, several overarching trends affected cities throughout the United States, in ways which would eventually prove to be very challenging to historical central cities—especially Flint. Through the 1920s, long-established development patterns had involved the expansion of central cities through the method of "annexation," in which outlying lands officially became part of the city and thus became supplied with urban infrastructure which allowed for more intensive development. However, as various technological advances reduced the costs of the infrastructure required to support moderate levels of development in outlying areas, many of these urban fringe areas became developed without a full need for the central city's urban infrastructure. Traditional urban transportation requirements had also been transformed by the mass-production of affordable automobiles, allowing great increases in the distances over which people could commute to work each day. These general national trends tended to then be supported and institutionalized with various laws and policies, solidifying the independent strength of "suburban" developments around each historical central city. For example, Michigan's Charter Township Act of 1947 greatly enhanced the capacity of townships to resist annexation efforts, so long as they provided a suitable level of infrastructure and services on

their own. Other post-war policies included the Federal Housing Administration's support of suburban residential development, the construction of the interstate highway system which provided infrastructure to allow rapid transportation between the central and fringe sections of most major urban areas, and subsequent shifts of retail outlets (e.g. shopping malls) and employment centers (e.g. office and industrial parks) toward outlying areas where taxes were less expensive, land was more plentiful, and metro-area processes had led to suburban areas with concentrations of wealthier consumer and highly educated, specialized labor forces existed which made these suburban locations highly logical choices for new developments of these types.

Although the proliferation of suburbs had been consistent with certain kinds of democratic ideals, allowing more freedom of choice among area schools, municipalities with their own separate electoral processes and budgets and revenue systems, and various lifestyle choices associated with certain locations, there were also serious problems which these processes were creating. One was the development of segregation patterns, which had to be offset over the course of several decades with government action such as Shelley versus Kraemer (1948) and the Fair Housing Act of 1968. Urban planners worked with new principles and requirements involving equity, such as the spatial distribution of subsidized housing according to "fair share" principles, and also involving environmental justice, recognizing that some of the most heavily polluted and disaster-prone areas were tending to be those that were becoming disproportionately occupied by poorer residents and persons identified with ethnic minority groups. Many school districts shared some of the same boundaries which had divided central cities from suburbs, resulting in another set of institutional impacts which required corrective policies to adjust for, such as busing and later Schools of Choice programs.

Although it took only a couple of decades for the negative effects of these processes upon most central cities to become clear, it often took additional decades to start correcting some of their effects. Some of these have continued to this very day because of their complexity, and thus the political, economic, and organizational difficulties of addressing them effectively. Michigan has seen central city budgets shrink greatly along with declines in those municipalities' populations, land values, intensity of development, and tax revenues. A "vicious circle" has sometimes developed, in which declines of one type have gone uncorrected for enough time that related declines are caused or worsened, leading to the dilemma of how to stop such a negative cycle from continuing.

In the case of the City of Flint, it had grown rapidly during the early 20th Century and then saw its population peak in the 1960 census, at a population of nearly 200,000. From this peak, the population had dropped only slightly by 1970, but each decade thereafter saw the loss of more than 10% of the city's population. Today's population is estimated at only about 100,000—only about half of what it had been 50 years before. But despite the loss of important industrial plants and their associated jobs, most of this change in the central city was the result of a dispersion of population and resources across the broader metropolitan area, rather than from an overall metropolitan decline. Genesee County as a whole continued to have its population increase through 1980. As Flint itself lost about 37,000 persons between 1960 and 1980, Genesee County's population increased by about 76,000. Only then did the area as a whole start declining, sporadically and inconsistently, with the county sometimes registering slight

population growth, alternating with periods of larger decline. These simultaneous patterns are shown in the following data table:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,143	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	444,341	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.2%	52.6%	43.5%	35.4%	32.7%	28.6%	24.1%

As Flint was completing its mid-20th Century boom, its population grew substantially, except during the depression decade of the 1930s. During this time, the county as a whole was also expanding, at a somewhat faster rate than the city, so the proportion of the county's population found in the central city did decline during that period. However the city's shrinking proportion within its metropolitan area did not pose much of a problem as long as both the city and the overall area were growing. By contrast, the extent of central city population loss seen after 1970 was very serious, straining the city's budget to the point where an emergency manager was assigned by the governor (in 2011), providing greater authority to sort through the many challenges and shortfalls which had accumulated. Shrinking city revenues, budgets, and services seemed over time to lead to conditions and situations which directly affected the health of its residents—alarming rises in homicide rates, deterioration of the city's housing stock, an accumulation of brownfield sites, episodes of widespread arson, and the current public health emergency involving the city's water supply.

Central cities frequently provide important services and functions for their entire metropolitan areas, but as a result of 20th Century trends, such cities often bore increasing financial burdens while doing so, as many sources of tax revenue dropped off as residents moved to suburbs and increasingly shopped and worked in those suburbs as well. Even when businesses and people remained in the central city, tax revenues often shrank when overall property values declined within an increasingly suburban and exurban metropolitan environment. According to Flint's 2013 Master Plan (page 18), the daytime weekday population of the city increases to nearly 134,000 as a result of worker and student inflows. Thus, the city regularly supports traffic and services for more than 30,000 persons beyond those who are full-time residents of the city. During major events, this number is much higher. Flint falls into the category of city that has been called a "legacy city" (See *Rebuilding America's Legacy Cities*, edited by Alan Mallach in 2012 and published by American Assembly, Columbia University), caught in the problems of transitioning from its historic mid-20th Century manufacturing base into new roles for 21st Century health and success. It has been caught in a long-term trap of an aging infrastructure combined with dwindling municipal revenues. And although there are opportunities available by which the city might successfully make that transition, its current problems must first be overcome. (Mallach xi, 180-183) In order to offset mismatches between a central legacy city and the disproportionate wealth of the surrounding areas it serves, various planners and urban policy experts (e.g. Norman Krumholz, Myron Oldfield, John Rusk) have found that various forms of revenue sharing may be justified, greater integrating the central districts with the overall metropolitan area whose health is mutually intertwined, or finding ways to fund the health of essential central sections and infrastructure within existing political and organizational structures, networks, and capacities. Cities are legally "creatures of the state" and thus subject to the effects of state policy. Where past policies had resulted in an accumulation of fiscal

problems for central cities, new policies have the potential to help solve these same problems in the long-term. But first, the immediate threats to health for nearly 100,000 permanent city residents, plus tens of thousands of non-residents who make daily use of the city's resources, services, and amenities, must be corrected. The importance of the problems of aging city infrastructure has become clear, but the first step is to protect the health of the area's residents, as longer-term solutions continue to be developed with a keener awareness of the relationship between the health of each central city, and the quality of life for each broader metropolitan area and the state as a whole. A successful response to the current emergency will also help to inform the handling of similar challenges that might occur in other legacy cities, with this one crisis potentially providing the urgency and will to address related problems in other locations, lessening the potential for their infrastructure to produce a similar emergency-level situation.

The city's poverty rate is 2.67 times higher than the national poverty rate, and the city's median household income is less than half of that for the nation as a whole. Average unemployment rates within the city were nearly three times the national rates. A disproportionate number of the city's residents have disabilities (functional needs). Although the percentage of elderly residents is slightly below average, the opposite is true for the percentage of young children under age 5, and it is this age category that is most vulnerable to the effects of lead exposure. The percentage of children under 5 is higher in Flint than the respective percentages for Genesee County, the State of Michigan, and the United States as a whole. (Refer to the following table.)

Demographic Profile of the Affected Municipality

	Persons Below Poverty Level	Median Household Income	Children under 5 years	Percent Elderly (65+ years)	Percent with Disabilities	Percent Pre-Disaster Unemployment (5-year estimate)
National Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State Average	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint (Genesee Co.)	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Data Sources
U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

NOTE: The general direction I had started with my draft text was to historically frame this situation as the result of various trends that affected large central cities during the past 60-100 years, with the choking of central city resources eventually causing mismatches that would eventually have to be addressed. Thus, unlike so many previous administrations, Michigan recently actually undertook some significant actions to directly address some of these issues of *budget, debt, bankruptcy, school district losses, etc. in historic cities like Detroit, Flint, Benton* Harbor, Pontiac, etc. where huge population losses occurred primarily within the central city, while overall urban area growth continued and resulted in resource splits. Naturally, these references, deriving from a theoretical urban planning perspective, will need to be reviewed for their political feasibility.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"Equally troubling, the socio-economic profile of the affected counties and local communities found at Attachment 1 shows these areas are also some of the most economically-distressed in the region and therefore least able to recover from this flood disaster on their own. For example, in Wayne County, where over 23-percent of residents live below the federal poverty level, in the hard-hit cities of Dearborn, Detroit, Highland Park, and Inkster, the poverty levels all exceed 25-percent. In the City of Highland Park, the poverty level is closer to 50-percent. Three significantly affected Wayne County communities (i.e., the cities of Detroit, Highland Park, and Inkster) have median household incomes (at $26,955, $20,298, and $28,095, respectively) that are close to one-half of the state average of $48,471. In Macomb County, the City of Warren's poverty level exceeds 17-percent and its median household income, at $44,982, also lags nearly 8-percent behind the state average. The cities of Dearborn and Dearborn Heights in Wayne County both have poverty levels exceeding the state average, and median household incomes that are less than the state average. The cities of Madison Heights and Oak Park in Oakland County also experience those same conditions. Unemployment in many of the affected communities is also high. For example, all three counties have unemployment rates (at 9.6-percent, 8.4-percent, and 11.1-percent, respectively) that exceed the state average of 7.7-percent. (Unfortunately, Michigan's unemployment rate remains one of the highest in the nation, and well-above the national average of 6.2-percent.) The City of Highland Park has an unemployment rate that exceeds 23-percent, while the City of Detroit's rate exceeds 17-percent. As the table at Attachment 1 shows, several other communities particularly hard-hit by the flooding also have unemployment rates that exceed double-digits."

The following information is furnished on the nature and amount of State and local government *resources that have been or will be used to alleviate the conditions of this emergency:*

(Describe response actions by state and local governments. Describe any state/local Individual Assistance programs.)

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on August 13, 2014, in accordance with

Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Disaster for the counties of Macomb, Oakland, and Wayne, including the local political subdivisions located therein, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned counties and local political subdivisions in responding to and recovering from this disaster. I must note that numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals; assessing the damage and impacts to affected state facilities, infrastructure, and services under their stewardship; and taking appropriate actions to keep those affected facilities, infrastructure, and services operational."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that supplemental federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected counties specified in this request, and activation of the Hazard Mitigation Grant Program for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively."

(Provide the disaster history of the State over the past 12 months... List areas that have sustained damage from this event and other disasters in the previous 12 months, and include any other pertinent factors that would have a bearing upon the State's ability to respond, such as economy of the area, terrain, inaccessibility, or capacity of voluntary organizations active in disaster.)

(If Individual Assistance is being requested, provide detailed information on the impacted population, including percentage of insurance, percentage below poverty level, median household income, percentage of elderly, percentage of disabled, pre-disaster unemployment rates, and any other special populations [children under 5]. Include a comparison of the percentage of the state and local government averages and national averages. Indicate source of data cited.) NOTE: This data is provided in Attachment 1.

(If Public Assistance is being requested, provide a brief analysis of infrastructure damage by category, including the cost estimates for each category and the percentage of the total eligible Public Assistance cost estimate. Include a discussion of significant impacts to specific areas. If any local communities have sustained significant damage and have incurred extremely high per capita impacts, provide that information, especially if the localized damage is in the tens or even hundreds of dollars per capita. Discuss the level of insurance coverage.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions." Maps, weather and flood charts, and damage photographs related to this disaster can be found at Attachment 3, "Supporting Maps, Charts, and Photographs."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I certify that for this major disaster, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf."

Sincerely,

Rick Snyder
Governor

Attachments and Enclosures:

Attachment 1: Demographic Profile of the Affected Counties and Selected Local Municipalities
Attachment 2: Significant State and Local Response and Recovery Actions
Attachment 3: Supporting Maps, Charts, and Photographs

Office of Management and Budget Form No. 1660-0009
Enclosure A: Estimated Requirements for Individual Assistance under the Stafford Act
Enclosure B: Estimated Requirements for Public Assistance under the Stafford Act
Enclosure C: Estimated Requirements for Other Federal Agency Programs
Enclosure D: (Not Applicable to this Request)

Topic, Year and Data Source	City of Flint
Persons below poverty level (percentage), 2014 ACS (5 year estimate)	41.60%
Persons below poverty level (percentage), 2012 ACS (5 year estimate)	39.70%
Median Household Income, 2014 ACS (5 year estimate)	24,679
Median Household Income, 2012 ACS (5 year estimate)	26,339
Percent with Disabilities, 2014 ACS (5 year estimate)	20.40%
Percent with Disabilities, 2012 ACS (5 year estimate)	20.10%
Unemployment Rate (percentage), 2014 ACS (5 year estimate)	26.30%
Unemployment Rate (percentage), 2012 ACS (5 year estimate)	25.50%
Population Over 65+, 2014 ACS (5 year estimate)	11.70%
Population Over 65+, 2012 ACS (5 year estimate)	11.10%
Population Under 5, 2014 ACS (5 year estimate)	7.80%
Population Under 5, 2012 ACS (5 year estimate)	8.30%
Total Population, 2014 ACS (5 year estimate)	100,569
Total Population, 2012 ACS (5 year estimate)	103,263

State of Michigan	United States
16.90%	15.60%
16.30%	14.90%
49,087	53,482
48,471	53,046
13.90%	12.30%
13.50%	12.00%
11.40%	9.20%
12.60%	9.30%
14.60%	13.70%
13.90%	13.20%
5.90%	6.40%
6.00%	6.50%
9,889,024	314,107,084
9,897,264	309,138,711

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 6:09 PM
To: Weber, Thomas (MSP); plangc
Subject: RE: Flint

My initial draft had some errors on the subject of bankruptcy. As a mere draft, I was putting down ideas from memory, but got confused between Detroit bankruptcy and EM, and Flint EM. The following is corrected draft text on that subject, which will be in the revised document I'll send you before I leave tonight:

"As Flint was completing its mid-20th Century boom, its population grew substantially, except during the depression decade of the 1930s. During this time, the county as a whole was also expanding, at a somewhat faster rate than the city, so the proportion of the county's population found in the central city did decline during that period. However the city's shrinking proportion within its metropolitan area did not pose much of a problem as long as both the city and the overall area were growing. By contrast, the extent of central city population loss seen after 1970 was very serious, straining the city's budget to the point where an emergency manager was assigned by the governor (in 2011), providing greater authority to sort through the many challenges and shortfalls which had accumulated. Shrinking city revenues, budgets, and services seemed over time to lead to conditions and situations which directly affected the health of its residents—alarming rises in homicide rates, deterioration of the city's housing stock, an accumulation of brownfield sites, episodes of widespread arson, and the current public health emergency involving the city's water supply."

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 5:40 PM
To: Weber, Thomas (MSP); plangc
Subject: FW: City of Flint Demographics Data.xlsx
Attachments: City of Flint Demographics Data.xlsx

By the way, if anyone wonders, the demographic data collected by me and Zach were 5-year 2014 estimates, and those (attached) match up with a slightly different 2014 population estimate for the city than the latest 1-year estimate. The average for the last 5 years is slightly higher (above 100,000), but the most recent year's population value is 98,990. At least one person mentioned the city being below 100,000 in the SEOC, and this is correct for the latest (1-year) estimate, but the slightly higher 5-year average would be the figure that matches up with the data for unemployment, poverty, etc. (attached table).
http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_14_1YR_B01003&prodType=table

---

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 11:45 AM
To: Sobocinski, Mike (MSP)
Subject: City of Flint Demographics Data.xlsx

Hey Mike,

Here is the revised data with the 65+ and under 5 included.

Zach

Topic, Year and Data Source	City of Flint	State of Michigan	United States
Persons below poverty level (percentage), 2014 ACS (5 year estimate)	41.60%	16.90%	15.60%
Persons below poverty level (percentage), 2012 ACS (5 year estimate)	39.70%	16.30%	14.90%
Median Household Income, 2014 ACS (5 year estimate)	24,679	49,087	53,482
Median Household Income, 2012 ACS (5 year estimate)	26,339	48,471	53,046
Percent with Disabilities, 2014 ACS (5 year estimate)	20.40%	13.90%	12.30%
Percent with Disabilities, 2012 ACS (5 year estimate)	20.10%	13.50%	12.00%
Unemployment Rate (percentage), 2014 ACS (5 year estimate)	26.30%	11.40%	9.20%
Unemployment Rate (percentage), 2012 ACS (5 year estimate)	25.50%	12.60%	9.30%
Population Over 65+, 2014 ACS (5 year estimate)	11.70%	14.60%	13.70%
Population Over 65+, 2012 ACS (5 year estimate)	11.10%	13.90%	13.20%
Population Under 5, 2014 ACS (5 year estimate)	7.80%	5.90%	6.40%
Population Under 5, 2012 ACS (5 year estimate)	8.30%	6.00%	6.50%
Total Population, 2014 ACS (5 year estimate)	100,569	9,889,024	314,107,084
Total Population, 2012 ACS (5 year estimate)	103,263	9,897,264	309,138,711

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 5:20 PM
To: Weber, Thomas (MSP); plangc
Subject: RE: Flint

My draft had made use of data from Wikipedia. I finally got to double-check it with all but the 1990 census (which wouldn't load online), and had to correct two errors. If you're using this table, please replace the earlier draft with this new data:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,143	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	444,341	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.2%	52.6%	43.5%	35.4%	32.7%	28.6%	24.1%

Thanks,
Mike

Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 2:32 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

I understand all you're thinking, but yes, the time constraint prohibits most additional work. The time frame was given to me a few minutes before I sent that email.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:30 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

The general direction I had started with my draft text was to historically frame this situation as the result of various trends that affected large central cities during the past 60-100 years, with the choking of central city resources eventually causing mismatches that would eventually have to be addressed. Thus, unlike so many previous administrations, Michigan recently actually undertook some significant actions to directly address some of these issues of budget, debt, bankruptcy, school district losses, etc. in historic cities like Detroit, Flint, Saginaw, etc. where huge population losses occurred primarily within the central city, while overall urban area growth continued and resulted in resource splits. Some reference might ultimately be made to equity planning ideas (e.g. Krumholz and later persons), such as regional revenue sharing or "suburban" support for central city infrastructure like we'd seen resulting from the 2014 Detroit flooding. I have a cool new book about "legacy cities" of the type I've just described, and the book probably has lots of action ideas to be found once I get the time to peruse it. Some of these ideas were already presented in the MHMP, such as on pages 524-526 and 531-532. I know these offhand since I'd written them myself. (Some other stuff may also be in there that Doran had initially written.) Also of note might be stuff like p 456-457 – esp public confidence in government and esp potential mismatch between scientific understanding and public perception.

This 4pm deadline seems very sudden to me. When were we given that deadline?

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 1:17 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

Yes, that's the one

Tom Weber, PEM

State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:16 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

By "letter" do you mean the request for federal declaration letter?
I have a few more things that I meant to add to the draft text that I had put together last week...

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 2:02 PM
To: plangc; Weber, Thomas (MSP)
Subject: relevant?

Is this info relevant to anyone at our level of operations?

http://www.mlive.com/news/flint/index.ssf/2016/01/city_hall_office_containing_wa.html

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 2:00 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

See below for filled-in table.
The original format didn't have a column for children under 5 – I added it because it's of obvious significance for the lead (Pb) problem. Flint has a lower-than-average proportion of seniors, but a higher-than-average proportion of young children (who are most at-risk, healthwise, from lead exposure, according to my understanding). So that significance should be specifically explained in the request letter.

By the way, everything I've checked in Zach's work so far has been top-notch. ☺

See you in a few hours (possibly less).
M

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:17 PM
To: Sobocinski, Mike (MSP)
Subject: Flint

Mike,

I need to get a draft letter to Cap by the end of the day. I need the Genesee demographic numbers in this table as soon as you can provide them, thanks much!

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Sobocinski, Mike (MSP)

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Sent: Tuesday, January 12, 2016 1:30 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 1:17 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

Yes, that's the one

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:16 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

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Sobocinski, Mike (MSP)

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Subject: RE: Flint

Yes, that's the one

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
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To: Sobocinski, Mike (MSP)
Subject: Flint

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Genesee County						
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:16 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

By "letter" do you mean the request for federal declaration letter?
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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:17 PM
To: Sobocinski, Mike (MSP)
Subject: Flint

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Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 1:16 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

Ok, thanks Mike

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:15 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

No, this is more long-term stuff. I'll work to fill the Genesee County data needs right now. But will start thinking about uses for more variables, and at multiple levels.
I would soon like to take the scheduled A/L break (after 2pm) for my MSU class which is scheduled for 3 hours, but will return afterward, including availability for early evening duty. (It's the first week of the semester, so the class might even get out early, in which case I'll be back here early.)

Thanks,
Mike

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 1:08 PM
To: Sobocinski, Mike (MSP)
Cc: plangc; MSP-SEOCGIS
Subject: RE: Flint

Those would all be great IF we can get them by 4 and in a format that's easy to translate into the letter.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: !

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 12:49 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-SEOCGIS
Subject: RE: Flint

Ok. Additional census variables include other relevant things such as housing units with plumbing, (foreign) language spoken at home, foreign-born population, perhaps even linguistically isolated households. Such things do vary a bit over time but are often available -- of course they are summary level, but allow focus toward specific neighborhoods, and could help guide the language translation patterns in the area (if they haven't already done so), availability of an automobile to each household, poverty status, employment status, ethnic minority status, disability status and general type (i.e. mobility limitation, self-care limitation), etc.

There is probably also a formula (e.g. a certain number or proportion of housing units built before a certain time, within central city utility areas) that could be applied more widespread to other Michigan cities in general.

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:43 PM
To: Sobocinski, Mike (MSP)
Cc: plangc; MSP-SEOCGIS
Subject: RE: Flint

Mike, that could be useful. If GIS isn't too backed up, that sounds fine to me. But given that the Governor wants this tonight, and the number of customers outside the city proper is fairly small, I'd say let's do it if it's easy, but if it's going to be a challenge to get it by the end of the day or complicate GIS's work today, we can live with just city and county numbers.

I'll let you two have a meeting of the minds and advise!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 12:38 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

By the way, despite our early impression that the Flint system roughly matched the city limits, there was talk about additional townships being involved.
Rather than individual retrieve each tidbit of info (Genesee county right now, perhaps later followed by Flint Twp, Mundy Twp, etc.), the use of GIS could allow a quick summary or analysis of this info (and more) at any scale – region, county, city, census tract, perhaps even block group and block (down to the scale where confidentiality is no longer guaranteed and data thus becomes unavailable).

Would it be worth my going to our GIS about getting these variables on more local scales? The only catch is that some might need to come from census 2010 rather than ACS 2014, but perhaps not – I wouldn't know until I check. I'm pretty sure they already have ready access to all official 2010 census variables.

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:17 PM
To: Sobocinski, Mike (MSP)
Subject: Flint

Mike,

I need to get a draft letter to Cap by the end of the day. I need the Genesee demographic numbers in this table as soon as you can provide them, thanks much!

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City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:12 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 12.docx

Attached is the new document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 12, 2015 SEOC briefing (9:30am):

MSP Resouce unit (acting planning chief?) Amanda Bresler: Reading IAP objectives. SEOC hours will go until 8pm, so 6pm agency situation reports are due. 2pm tactics meeting scheduled.

National Weather Service (Jim Askill?): Contacted Genesee County EOC and added them to the list of NWS contacts. Today's weather is "sloppy," with "off and on" lake effect snow. Some spots might see snow all day, other spots might not see much. Various bands produce spotty effects locally. Today, snow, low temperatures, and winds produce treacherous travel. Frostbite sets in within 15 to 30 minutes on exposed skin. About 1 to 2 inches of snow accumulation will be seen today, then "off and on" snow tomorrow during both day and night—one inch or less. After the next few days it should warm up a bit (to the freezing point?).

MSP SEOC Operations section (Jackie Hampton): Identified shortages need to be addressed: water filters and test kits. Another warehouse is being opened today. Need equipment at DHHS site (loaders, etc.) to move resources on/off vehicles. 9600 cases of water per day are being handled, so space is needed to stockpile that. GCARD (?) to eventually be used for staging only, when more space has been found.

DHHS (Jennifer ??): Currently at a level 2 activation. Processing the request for a warehouse facility. Must sort through the short and long-term storage needs. Distributing guidelines/message information. Also dealing with volunteer information (and organization – the availability of volunteers).

MDARD (Kay Fritz?): Updated guidance document re: food service establishments, and the document is being approved through the JIC. Animal shelters and related tasks are being worked on. Information is going out to veterinarians in Flint. Coordination occurring with Genesee County Health Department and Genesee County animal control. (She quickly reads off their list of actions.)

MDLARA (unknown person?): Doing work with ?plumbing chief? En route. [Didn't catch information clearly.] A list of home-based day care centers is available.

MDEQ (Jen Wolf): Refers to online links for approved water filters. 10,000 water test bottles are on order. Coordination with American Red Cross. More supplied ordered – another 10,000 water test bottles. Would like to always have at least 2,000 on hand, at the warehouse.

Capt. Kelenske: Make sure that the fire stations have what they need. That's the area that is farther from direct control (i.e. outside of state framework).

MDHHS (unknown speaker?): Logistics of coordinating with American Red Cross, etc. Given 10am ETA on truck with provisions from/to? Home Depot? retail outlets. But it's more useful to be given a current location of the truck, rather than an ETA. About 700 (something – individual bottled water servings, I think?) were obtained and are being delivered.

American Red Cross (Paul Spotter?): Trying to increase staffing. Is it possible to reduce hours (stopping at 7pm) to accommodate the difficulty for volunteers during the cold weather? (Capt. Kelenske: Current

hours are 9am to 9pm, and will remain so.) Some warehouse teams have been established. Tomorrow, a volunteer reception center is opening.

MDHHS (Brian ?): Teams are preparing for distribution activities, but the main current focus is on the procurement of water filters.

MI Dept. Of Civil Rights (Mark ?): About 15,000 Spanish-language and 30,000 English-language palm cards exist. Would like to arrange deliveries to Our Lady of Guadelupe Church and to the Hispanic center. (Capt. Kelenske: Must deliver broadly to all faith based places at once rather than just to one or two specific ones.)

Office of Services on Aging (?): Delivery to 1400 addresses with seniors – meals, care management services. Working with the Genesee and Valley Area agencies on aging. Care management clients information obtainable from various senior agencies. Becoming aware of a citizen distrust of filters alone, with seniors requesting water in addition. State and local ombudsmen checking on nursing homes to verify the use of bottled water there—these facilities are all mapped in GIS, so the info is available. (Capt. Kelenske: Must broaden messaging to build trust in filters. Jackie Hampton: Are be able to test filtered water, to build that confidence? Jen Wolf DEQ: All samples received are being tested, so filtered water samples won't be turned back, but the lab doesn't want to ask for samples of filtered water. Nicole Lisabeth PIO: hadn't heard about testing filtered water – official info should be distributed if it's to be done.)

MSP (officer ? in SEOC): Truck shipments, tracking on map, three or more trucks requested. Comparing deployment with supply.

MDMVA (Chad Randall?): Researching the resources available to fill requests.

MDTMB (Jeannette Doll): Reached out to Meijer, found that they'd already been shifting their filter supply toward their Flint stores. Checking into Amazon as another source. Three trucks with drives are to arrive tomorrow. A 50' trailer is to be procured. (Jackie Hampton: drivers needed 7a to 10p). Emergency can allow extension of the normal 14 hour limit that drivers can be on the road. About 30,000 palm cards being printed.

Capt. Kelenske: All state agency resources are available and can be brought to bear. Any resistance can be overcome through authorities of/in the SEOC. For example, "any" state employee can go door-to-door [i.e. minus those with physical/health limitations]. But logistics do need to be sorted through.

MSP (Staging?) Team (Brianna Briggs): Presented info in Flint and answered questions. Two kits were given out in some cases instead of just one (per household), when concerns were brought up about filtered water quality. Local volunteers are many. If state agencies do need to eventually contribute more staff, they'll be notified.

PIO (Nicole Lisabeth): Currently stressing the use of filters as the most efficient way to secure good drinking water for each household, long-term. Backed by Dr. Eden Wells in this—announced at about 6pm last night. A warehousing and inventory management system (is being used? Is needed?) for an

inventory system. There's a parking issue re: media, but teams are getting out in the field, with instructions not to be delayed/distracted by media inquiries or activities. Teams are not to engage with media, but just to focus squarely upon their assigned tasks. All media are to be referred to the PIOs and the JIC. (Capt. Kelenske: A standard statement to this effect is to be used by workers—not even a "no comment" response, but that all media requests are to go through the PIO/JIC.) The Governor's office is sending daily emails to Flint, advising to use water filters, and that teams are going door-to-door. 2-1-1 is available to call there, a public service announcement (PSA) video has been made, a website is available. Working with Comcast to show the PSA video and to place filter instructions on a public access channel there. Billboards are going up in Flint to inform about the availability of 2-1-1 and of the website. Mailed cards are going out. Working on an Arabic translation for information cards. Getting information on churches to participate—by the weekend? Inquiries obtained regarding any Pb issues in other areas of the state. It's important to have city and county PIOs in the JIC. Some 2-1-1 rumors of lead in bottled water were dismissed/discouraged. Some calls were reported as being made to the FEMA national headquarters, involving concerned agencies such as the NAACP. Questions were also received on how corporations can make donations. (Capt. Kelenske: 2-1-1 is very important. Verify the staffing and system in place there; minimize chance of a shortfall.)

MSP Planning (Amanda Bresler): Updating the 204 form. Working to improve the local tracking sheet for resources at Flint area fire stations.

Local EOC (Mark DuCharm?): Volunteers are needed at both warehouses. Don't refer to the new warehouse as "Diplomat" – because there is an existing business it may be confused with.

Capt. Kelenske: Give that warehouse a generic name, not even "DHHS warehouse." Overall, fine job so far. Focus on what we <u>can</u> do, and remember to take a breath or to step back occasionally so that there aren't problems with stress interfering. The smallest detected slip will be portrayed as a significant news event. The next state agency update will be at 4pm at the latest – might occur sooner.

Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:33 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

Gracias!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 12:33 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

Ok. I should have this info, plus the morning briefing notes, done and sent out by 2pm.

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:17 PM
To: Sobocinski, Mike (MSP)
Subject: Flint

Mike,

I need to get a draft letter to Cap by the end of the day. I need the Genesee demographic numbers in this table as soon as you can provide them, thanks much!

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County						
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Monday, January 11, 2016 2:42 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 11.docx

Attached is the new document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
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"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 11, 2015 SEOC briefing (9:30am):

MSP Planning Section Chief Tom Weber leads the meeting, reads list of objectives from IAP. A state agency briefing is occurring every afternoon now. The SEOC was open on both Saturday and Sunday this past weekend.

MSP EMHSD Jackie Hampton: Agencies need to stay focused on completing form 204 and their critical tasks. Those who are speaking in the SEOC should now stand to present their information into the microphone.

National Weather Service (Jim ?): During the next 48 hours will get challenging. Fairly tame light snow right now, but from 8pm onward there will be more snow coming in with winds. About 2 to 3 inches are expected in the Flint area from 5pm today to 8pm tomorrow evening. The expected temperatures will be in the teens. Blowing snow will mean that it will be hard to keep roads clear, creating hazardous travel conditions. Temperatures will be cold and will result in wind chill factors below 0 degrees F. Frostbite would be expected on skin exposed for times less than ½ hour. From Wednesday to Friday, only occasional light snow is expected, but the cold temperatures will continue.

MDHHS (Jennifer ?): The CHECC has been opened, with a partial activation. Subject matter experts will be brought in as needed.

MDARD (Justin Henderson): He refers to yesterday's update [as if everyone was here yesterday], and no change to that update. [Several other agencies simply reported no significant change, or didn't mention anything that sounded specific and important enough for me to include here. Some phone-in agencies might have been too brief or garbled to be included!]

MDEQ (Jen Wolf): Coordination between their lab and various other agencies (city of Flint, DTMB, MDARD, DHHS, etc.) on test bottles, kits, and instruction sheets. Seeking appropriate dispersion of bottles within Flint, to match actual local needs (rather than too many at locations whose needs are not as great as others').

MDHHS (Richard Thelen): Things are proceeding on track. Setting up for 1pm training at (site?). Getting arrival time estimates on all orders, establishing filter quantities, gave some info to GIS for processing.

American Red Cross: Has staffed distribution sites at 5 fire stations, 9 churches, and helped to organize more (for water and filter distribution). Some larger sites are needed.

Adult Services (Steve ?): Pulling together the list of addresses for Flint seniors who are at higher risk. Exploring the role that could be played by their nutrition network, in response to a "food desert" concern that was raised. The Department of Education feeds children. Better framing is needed for nutritional needs issues. (Jackie: DHHS is working on it.) [My comment: In my experience, the "food desert" concept was completely overblown, applying an exaggerated name and limited definitions that failed to recognize the true variety and accessibility of foods through various transportation options and exaggerating the low quality of food that is readily available locally, fixating upon particular ideas of raw fruits and vegetables while downplaying the substitutability of frozen vegetables, packaged mixes, etc

But this is actually the topic that Kari Day had researched for her master's degree, and so we should make use of her expertise on this, if she's interested. I mentioned this to her as she was leaving for Flint and she did say that she's interested in coordinating and providing her expertise on the topic. My own views are merely rooted in theoretical and methodological skepticism, and my own experiences, but she is the one who's done actual research on the subject in Detroit, and although she might agree with some of my critiques, I might be off-base in others and certainly don't have her experience in researching the topic. There are legends circulating widely on this topic, typically involving a mythical Detroit grocer selling bad apples for $7 each, and I've pointed out at meetings that such a concept doesn't make any economic sense for a store owner, and that it makes no sense to dismiss the availability of cheap but nutritious frozen vegetables and decently fresh ingredients which are available at places like "Subway" - but the sole emphasis upon gardens and raw produce grocers, and the offhand dismissal of everything that certain researchers have labeled as "fast food", has horribly overstated the "problem" in most areas. At some point, these debates could be resolvable through actual data. Much of my own criticism stems from personal experience at finding nutritious foods while living in poverty for a couple of years without a car in the middle of Lansing. Although Lansing is obvious not a worst-case scenario, certain principles still apply elsewhere. If transportation available through bus routes, those who can use the bus usually have access to major grocery stores. For those who don't want to take a bus, various substitutes can be found which aren't considered in the dubious research designs I've seen on the subject. For those who are simply stuck at home, it might not matter if they have a garden and store one block away, since immobility is immobility.]

MSP (Matt Bolger): Tomorrow, there will be a walking tour in Flint. Electronic tablets would be useful for data entry, rather than the traditional paper forms.

MDTMB (Jeannette Doll): Cards have been printed for the Governor's conference this morning. Trucks are going to Flint, with transport arranged for all this week. Parking improvements are being organized.

Recovery Branch (Brianna Briggs): Working through MSP (Amy Dehner?) and going to Flint to provide information, attend training session. Contact lists are being made for teams in Flint. Will coordinate with the JIC and PIO.

SEOC Logistics (? [person didn't stand]): Four new churches will serve as distribution points. People should specifically label new requests as such when entering/sending the info in. Do not use the Resource Tracking Board (in MI CIMS) to send notes to oneself.

SEOC Finance (Penny Burger): A hotel is set up for direct billing in the Flint area – unsure how many are traveling there. Would like lists of staff who might stay in Flint, to ensure that a room is available there. Some have made their own arrangements, which could be okay, but Finance can help with overnight lodging.

PIO (Nicole ?): Flyer was sent to MDTMB. A Spanish version is being completed. 2:30pm County Office Building media briefing will take place in Flint. News release for that is going out today. Governor Snyder, Capt. Kelenske, and the MDEQ director are speaking, plus others. Video public service

announcement being arranged for Comcast Cable (30 seconds long), similar to radio PSAs—MDHHS worked on these, being broadcast soon.

SEOC Planning: 3:30 agency situation reports and summaries submission deadline. 4pm afternoon agency briefing will occur.

Tony Katarsky: Replacement staffing is underway. It's okay to not overwork, to take time off as needed, although the official leave time may feel limited at this time.

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Monday, January 11, 2016 12:46 PM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 11 to 15:
Section updates:
- 3 hours of Annual leave Tuesday, January 12, starting 2pm (Sobocinski)

Key Activities:
- Work to follow-up on Flint emergency declaration: draft declaration request draft text (Sobocinski, Baker)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- Thursday NEMA webinar on cyber-attack, 2pm (Sobocinski, Baker)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Next week, January 18 to 22:
Section Updates:
- 3 hours of Annual leave Tuesday, January 19, starting 2pm (Sobocinski)

Key Activities:
- Work to follow-up on Flint emergency declaration: draft declaration request draft text (Sobocinski, Baker)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- Thursday am Allegan County RiskMap kickoff conference call (Sobocinski)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, January 08, 2016 4:37 PM
To: plangc; MSP-seoclgc; MSP-SEOCOPSC; MSP-SEOCGIS; MSP-seocfgc; Thelen, Richard (DHHS); Doll, Jeanette (DTMB); Deacon, Brad (MDARD); Lixey-Terrill, Jennifer (DHHS); Wahl, Kathy (DHHS); Towne, Karen (LARA); Wolf, Jennifer (DNR)
Subject: ACTION: Review list of deliverables
Attachments: Initial list of Deliverables assigned by Capt to key agencies Jan 8 draft.docx

Hello –

Attached is my draft of an initial short list of deliverables that have been specifically requested by Capt. Kelenske for this response.

Please review the attached list and let me know if you have any additions, changes, or corrections that should be made to it.

Thank you,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

From: plangc
Sent: Friday, January 08, 2016 3:31 PM
To: MSP-seoclgc; MSP-SEOCOPSC; MSP-SEOCGIS; MSP-seocfgc; Thelen, Richard (DHHS); Doll, Jeanette (DTMB); Deacon, Brad (MDARD); Lixey-Terrill, Jennifer (DHHS); Wahl, Kathy (DHHS); Towne, Karen (LARA); Wolf, Jennifer (DNR)
Cc: Sobocinski, Mike (MSP)
Subject: list of deliverables

I've asked Mike Sobocinski to track Cap's deliverables list that he gives to each of us. Jackie suggested having a "clearinghouse" similar to the status plotter, but for deliverables. So...please contact Mike as Cap gives you a new deliverable (i.e., report, map, plan, etc.), and he'll maintain an aggregated list so nothing is slipping through.

Thanks!

Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

Initial List of Deliverables Requested by Captain Kelenske from Key Response Agencies
January 8, 2015 Draft:

MSP SEOC Operations:

1. Deliver the following resources to fire stations in Flint: water, water filters, filter replacement cartridges, and water test kits.
2. Send teams into Flint next week for door-to-door delivery of test kits and information (but also equipped to provide filters and replacement cartridges to those who need them).
3. Arrange for and activate a Donations Management team (to be overseen by Jenna Holmes of the MDHHS Michigan Community Service Commission).
4. Arrange for and activate a Volunteer Management team (to be overseen by Chad Veeser of the MDHHS Michigan Community Service Commission).

MSP SEOC GIS:

1. Map the locations of households that have water filters (i.e. the addresses where filter recipients report that they live).
2. Map the locations of distribution points for water filters (e.g. fire departments, DHHS offices, service agencies in Flint).

MSP SEOC Finance Section:

1. Provide cost accounting information to MSP EMHSD staff for use in response activities for this emergency.
2. Provide information to state agencies about (1) the tracking of time and (2) the provision of support documentation for resource requests made as part of this emergency response.
3. Track the SEOC's staffing, and its related costs, to produce Spend Plans.

MSP SEOC Logistics Section:

1. Obtain fire station addresses for the City of Flint, and share that information with partnering agencies.

MSP Planning Section:

1. Produce a daily situation report.
2. Produce a weekly Incident Action Plan.
3. Maintain summaries of (1) GIS products and (2) water distribution statistics and objectives.

MDEQ:

1. Establish a presence in Flint's local EOC. [Response: One is present, 2 more are available Saturday and through next week.]
2. Coordinate with other agencies to fill resource requests.

MDHHS:

(no specific requests described so far)

MDARD:

(no specific requests described so far)

MDLARA:

(no specific requests described so far)

MDTMB:
(no specific requests described so far)

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, January 08, 2016 10:31 AM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 8.docx

Attached is the new document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 8, 2015 SEOC briefing (9:30am):

Tom Weber leads meeting, Captain joining later by phone and in person at the end.

MSP Operations (Jaqueline Hampton): Had conference call with local jurisdictions. Water tests are needed. Only about 600 homes have been tested, out of about 45,000. There's a drop-off test kit – samples to be taken in the morning, after the water has sat for at least 6 hours during the night.

American Red Cross: Contacted by county [and?] sheriff, to assist with the distribution of resources/needs.

State Office on Aging: Requested addresses of Flint seniors who are receiving services—the area office on aging is working on that. The Genesee County health department is a local partner. Flint Township is on the water system? (Tom Weber: GIS will sort through which jurisdictions are involved – probably at least 3 other jurisdictions.)

MDARD: A new regulatory requirement is being worked on which would involve water handling information for relevant agencies and establishments.

MI Dept of Education (Louie Burgess): Everyone with an approved child nutrition program is being contacted to learn where water is obtained from, how it's handled, and whether they've received the relevant information about it.

MDEQ (Jennifer Wolf): More water sampling will occur through collaboration with other agencies. Kits must be dropped off at homes, due to 6 hour requirement [see MSP Operations reference at top]. MDEQ lab capacity involves the handling of up to 400 samples per day, 7 days per week. Only about 670 samples processed so far.

MDHHS (Richard Thelen): Have received many resource requests for filters. Working on orders and delivery arrangements. Also, to assist with food and nutrition, improving the healthfulness of foods that are available in the short-term.

MDTMB (Jeannette Doll): A co-located JIC location has been found within a Flint state office building. A toll-free phone line is to begin operation at noon today, both at the new JIC and in Lansing.

NWS [didn't catch his name]: Anticipating some snowfall, perhaps from 2 to 4 inches, with winds from 15 to 30 miles per hour expected over this weekend. Much of next week, we'll have cold air, with daily high temperatures in the 20s or below.

PIO (Ron Leix): Preparing for the transition to the Flint JIC. At 3pm today there will be a meeting of the key PIOs—the first face-to-face meeting rather than through a conference call. There are 4 major topics for public information: (1) Water filters, (2) Water testing, (3) Blood lead level testing, (4) Bottled water. Explanations of who, how, when, why, where are being provided. The web site is good, but we need to go beyond that to access those who are not online (e.g. seniors). Media coverage: some has been good, some bad. The Rachel Maddox show focused on various issues.

MSP Logistics (Michele Kuzera): Verifying equipment and staff for on-site Flint activity. Two MSP staff are in the local EOC, representing planning and logistics.

Tom Weber: Incident Action Plan objectives can have suggestions submitted to the Planning Group Chief by 1pm. Agency situation reports should be submitted by 3:30pm in MI CIMS and/or to the Planning Section.

MSP Ops (Jackie Hampton): The SEOC will be open tomorrow (Saturday) from 8a to 5p.

Capt. Kelenske: He'll be obtaining an important requested document on the subject of water distribution. Staff must update MI CIMS with an ongoing log of their activities. Sunday operation of the SEOC will be determined in the future.

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Thursday, January 07, 2016 11:32 AM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 7.docx

Attached is a document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of unclarity.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Mike Sobocinski's notes on January 7, 2015 SEOC briefing (9:30am):

Tom Weber: situation report #1 was published. ICS202 to be completed shortly (Capt: that document will be for internal use only). Disaster Recovery Unit is being established within Operations Section.

American Red Cross (phone): coordination of some kind [unclear]

DHHS (Richard Thelen): outreach and education to local health care providers. JIC is operational. Web MD Medscape – available [?extra details unclear]. Distribution of filters and replacement cartridges continues. Two local MDHHS offices and two Genesee County Community Action Resource Department (GCCARD) offices are involved in this. [I looked GCCARD up online to find and verify its correct name. Some other local government office was also named, but I didn't catch it.]

MSP GIS section: Coordinating with city and county. Online dissemination of mapped info looks likely soon through a viewer that allows users to browse the information themselves. Currently mapping filter locations. MSU extension socioeconomic data is available for city residents, to represent spatially. Pipelines and service entry points (at homes) are mappable. Lead(ing) service lines to homes are mappable. 44,000 records to be worked on through coordination with University of Michigan Flint campus, to make the information digital (probably contracted by the city to do so). Latency time in pipes correlates with lead concentration in homes, so an analysis could be performed with information on pipe and service line locations/lengths...

Capt. Kelenske: Genesee County Sheriff Department using about 50 persons with trucks to distribute about 5,000 filters (of the "screw-on type") to the high-risk areas of the city.

Tom Weber: Genesee County GIS is coordinating with the area's United Way (and?) Food Bank.

MDARD (Brad Deacon): the local health departments inspect restaurants, while the DARD oversees local pop and ice machines.

MI Dept. of Education (Louis Burgess): Crafting a message to the Genesee Intermediate School District regarding all involved schools, including public, private, charters, academies, which have food centers or food programs. To inquire with all who run these regarding their water sources and use. The text of this message is to be reviewed by the state before its local distribution. The Department of Education PIO is needed in the JIC, and will be called.

MI Dept. of Corrections [person not known]: nothing new; precautions taken since last year, with coolers and jugged water being served. Have messages been sent to state employees who work in Flint, especially a general notification to all state employees so that even those who temporarily go to Flint can be informed regarding water?

MDTMB (Jeannette Doll): notes that bottled water is available at the state offices.

Aging and Adult Services Agency (AASA) (Steve Betterly): Outreach to the (Genesee) Valley Area Office on Aging to find/seek a list of seniors.

MSP Operations section: Establishing a State Recovery Task Force, to be headed by Joel Pepper. Establishing a Recovery Branch, to be headed by Brianna Briggs and to involve MIVOAD, DHHS coordination. Use of available subject matter experts, to include Dr. Eden Wells of DHHS and Dr. Mona Hanna-Attisha.

MSP Logistics section: Tracking quantity of water needed, trucks, etc. Two logistics staff from MSP being deployed to the local EOC.

PIO Ron Leix: JIC fully operational as of yesterday afternoon. JIC News Release #1 completed. An 800 number is to be used, and a top-level web site can be found at www.michigan.gov/flintwater. A 9am meeting is occurring between Governor Snyder and the Flint Mayor [Karen Weaver], with a media session to follow. At 1pm, a media roundtable presentation will occur in the Presentation Room at Collins Road, followed by a tour of the SEOC. Tomorrow, legislative and congressional calls.

Capt K: State agency SEOC physical presence this afternoon from 1pm onward.

[Unknown agency] Jeremy Hedges: coordination with MSHDA, potential to provide planning services? (Tom Weber: MSHDA to be included in the State Recovery Task Force.)

Capt K: FEMA has 2 liaison officers arriving about 3pm. These are not Federal Coordinating Officers (FCOs) but are merely to assist the Captain. MI CIMS activity log entries are needed from the PIO and the GIS section. The daily briefings are to occur at 9:30am until otherwise announced.

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Thursday, January 07, 2016 8:35 AM
To: Baker, Zachary (MSP)
Subject: Flint emergency declaration work

Hello –

Just wondering whether you have been able to verify the accuracy of the census population figures I had pulled from Wikipedia...

PS: The documents you had found for me online were/are great!

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: MSP-seocda2
Sent: Wednesday, January 06, 2016 2:54 PM
To: Sobocinski, Mike (MSP)
Subject: RE: SitRep1 Executive Summary

See below, I implemented most suggestions. For your additional comment regarding the last sentence (water not safe to drink), I just added "not safe to drink, unless specifically filtered" after confirming with MDHHS that the advisory for water filtering is still active for the entire City of Flint, without exceptions.

Thanks again!
Henrik

1. Instead of "introduction of lead into the public water supply, which has caused elevated blood lead levels" I would suggest wording which does not suggest a clear causal effect: "presence of lead in the public water supply, and the detection of elevated blood lead levels" **-IMPLEMENTED**
2. I have an official Flint water report stating May 2014 as the start of Flint River water, not April, so I think that may need to be changed. **–NOT IMPLEMENTED, The MDEQ rep in the briefing this morning referred to April 2014 as the start time for drawing from Flint River. News articles refers to April 25, 2014 as the date for the switch, so I used the specific date for the summary.**
3. In the next sentence, I doubt whether the water should be called "untreated" – one of their solutions for over-chlorination (ferric chloride to offset total trihalomethane levels) seems to have been a partial cause of accelerated corrosion. **-IMPLEMENTED**
4. "Elevated blood lead levels in young children" might be interpreted as "all young children in Flint" unless it is worded more carefully. **–IMPLEMENTED.**
5. My notes from MDEQ this morning had Oct. 15 as the date of returning to Detroit water... I can double-check that with other sources. **–NOT IMPLEMENTED. I had Oct. 16 in my notes from the DEQ brief, and I checked news articles that all referred to that date. Oct. 15 is the date the Governor signed the bill that authorizes the state funding for the switch, so this is where the confusion might come from.**
6. The abbreviation for Detroit water should be DWSD, but the third paragraph says "DSWS" and "DWSW" and these should be corrected. **–IMPLEMENTED.**

Sobocinski, Mike (MSP)

From: MSP-seocda2
Sent: Wednesday, January 06, 2016 2:20 PM
To: Sobocinski, Mike (MSP)
Subject: RE: SitRep1 Executive Summary

Thanks, I will incorporate.
We actually saw the error with the abbreviation for DWSD, and then also found out that it is Detroit Water and Sewerage Department, not ...Sewer Department.

Thanks again,
Henrik

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 06, 2016 2:18 PM
To: MSP-seocda2
Cc: plangc
Subject: RE: SitRep1 Executive Summary

Thanks, Henrik
I do actually have some recommendations...

The first involves the nature of the wording of the overall incident.

1. Instead of "introduction of lead into the public water supply, which has caused elevated blood lead levels" I would suggest wording which does not suggest a clear causal effect: "presence of lead in the public water supply, and the detection of elevated blood lead levels"

Studying the rest for factual accuracy, according to my knowledge so far, leads to the following notes:

2. I have an official Flint water report stating May 2014 as the start of Flint River water, not April, so I think that may need to be changed.
3. In the next sentence, I doubt whether the water should be called "untreated" – one of their solutions for over-chlorination (ferric chloride to offset total trihalomethane levels) seems to have been a partial cause of accelerated corrosion.
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6. The abbreviation for Detroit water should be DWSD, but the third paragraph says "DSWS" and "DWSW" and these should be corrected.

Hope you find this initial input to be of use.
I'll be doing some more study to further assess this information. I have some really useful official documents from Flint with good info to be sorted through and compared...
Thanks!

From: MSP-seocda2
Sent: Wednesday, January 06, 2016 1:57 PM
To: Sobocinski, Mike (MSP)
Subject: SitRep1 Executive Summary

Mike,

Here the first draft for the Executive Summary for the first SitRep.

Thanks,
Henrik

Executive Summary

On January 6, 2016, Governor Snyder declared a State of Emergency for the City of Flint and Genesee County. Genesee County requested the Governor's declaration on January 5, 2016, following the declaration of a State of Emergency in the county in response to the introduction of lead into the public water supply, which has caused elevated blood lead levels exceeding governmental standards. These conditions exist in the City of Flint, which declared a local State of Emergency and activated local response plans and their Emergency Operations Center on December 15, 2015. A public health emergency was declared by the Genesee County Health Department on October 1, 2015.

In April 2014, the City of Flint switched from the Detroit Water and Sewer Department (DWSD) to the Flint River as their primary water source. The untreated corrosive river water caused the leaching of lead from lead pipes into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Elevated blood lead levels in young children were observed in the City of Flint, and confirmed by the State Chief Medical Officer.

To mitigate the negative effects of corrosive river water on the water infrastructure in the City of Flint, the city switched back to DSWS as their primary water source on October 16, 2015. Funding to reconnect to DWSW was provided from the City of Flint, the Charles Stewart Mott Foundation, and the State of Michigan. Water is treated with a supplemental phosphate addition to rebuild the protective layer in the distribution system and reduce the leaching of lead into the water supply.

For the mitigation of negative health effects, over 24,000 water filters and replacement cartridges have been distributed to residents in the City of Flint. Approximately 13,000 water filters, water pitchers and replacement cartridges were distributed by the Michigan Department of Health and Human Services (MDHHS) in the timeframe of October 1 to December 31, 2015 alone. MDHHS has increased surveillance of blood lead levels in children, addresses water issues in environmental investigations facilitated to identify lead sources in the environment of affected children, and provide health education and information to residents, health care providers and daycare/educational institutions. Local nonprofit organizations have provided potable water to Flint residents.

Before December 16, 2015, $9.35 million were provided by the State of Michigan, and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While drops in lead levels have been observed since reconnecting to the DWSW system, water in the City of Flint is still not safe to drink.

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From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 06, 2016 2:18 PM
To: MSP-seocda2
Cc: plangc
Subject: RE: SitRep1 Executive Summary

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Subject: SitRep1 Executive Summary

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Henrik

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 06, 2016 1:44 PM
To: plangc; Weber, Thomas (MSP)
Cc: Hollaender, Henrik (MSP); Baker, Zachary (MSP)
Subject: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 6.docx

My draft notes from this morning's 9am SEOC briefing are attached for consideration, correction, consolidation, and discussion.
Hard to catch everything, but between everyone involved we should be able to piece together and sort through a lot, and hopefully avoid any major errors.

PS: Please forward to whoever else is in the SEOC Planning section today (or the upcoming 2pm meeting). If appropriate, I can make printouts of this to provide/discuss at the meeting.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

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Mike Sobocinski's notes from the SEOC briefing of January 6, 2015:

Capt. Kelenske: This activation is different from many. Overall goals will include assessing the situation, prioritizing actions, and coordinating between agencies, identifying life-safety issues. SEOC activation hours are currently 8a-5p Mon-Fri. MI CIMS event titled 2015-10-1-City of Flint water contamination/shortage. Maintain activity logs in MI CIMS. Battle order set up for today: IC objectives meeting 10am, assign work tasks 11am IC + general staff, 2pm planning meeting, IAP approved 3pm, Unified command initial meeting 4pm. Governor declared state of emergency. Presidential disaster declaration will not apply here, but an emergency is possible to supplement state efforts. Lead pipe replacement program to be checked into – perhaps by Jen [Boyer?] of MDEQ. GIS mapping to cover filter distribution, home locations, distribution/testing gaps, etc. Nutrition distribution program [correct title?]. More of a long-term recovery style of approach. Goal to restore trust in state government. JIC will be set up.

Dr. Wells (DHHS chief medical executive): Pb as neurotoxin, affecting every system in the body, lowering Fe and Ca. Especially problematic in developing children under age 6, esp if not getting enough Ca, Fe. Standards have become increasingly strict over time, with Pb levels formerly 10ug/dl to warrant action, then lowered to 5ug/dl, and today Pb is treated as having no safe exposure level.

[NOTE: she is referring to blood concentration levels of micrograms per deciliter, not to be confused with water concentrations referred to elsewhere in units of micrograms per liter: ug/l. I'm using u to represent the greek letter mu, symbol for the "micro" prefix]

Health problems from lead include gastric problems, ulcers, anemia, etc. including death. Cognitive & developmental delays, attention & behavioral disorders. Pb sources include gasoline and paint (until the 1970s), pipes (esp. pre-1978 home construction), ammunition and firearms, soils & industrial sites, air pollution (especially in summertime). CLPP "clip" Childhood Lead Prevention Program. Screenings at age 1, age 2. Those who test >5ug/dl (national standard) are evaluated for environmental exposures/causes. Critical action level 45ug/dl – immediate medical treatment, chelation treatment to remove Pb, and investigation of Pb sources in environment. Water concentration does vary seasonally, with temperature and Ph changes. Old cities are targeted areas for higher risk. Virginia Tech independent testing of water. [From her limited description, I was unclear in the end of the relationship between these results and other tests.] Elevated Pb levels generally declining, including in Flint, until 3rd quarter of 2014 [fiscal quarter or calendar year???]. Hurley Medical Center deals with the high-risk area in Flint. American Journal of Public Health issue of 2 weeks ago had study published on this topic. Water is not the only source of Pb in the area. An increase was measured in 2 Flint zip codes [485]03 and [485]04 although it didn't reach statistical significance. Need to pin down high-risk areas – Pb levels can and do drop when environmental exposure is reduced. Testing since Oct. 1 [2015], to Dec. 18 [period for specific results, assuming testing still continues after Dec. 18?]. Improper water filter use, or non-use (e.g. after Detroit water restored in Flint), has caused problems. Pb has half-life of less than 30 days. Department [hers or in the city of Flint?] surveillance results: 23 children under 6, 7 children age 6+, 13 adults who had blood levels above 5ug/dl. 12 elevated Pb blood level investigations; now including water testing, but Pb in dust, paint, and soil was also found. 1 hospitalized (level in the high

30s of ug/dl). HUD-funded program at the state level [name?] Coordination with Wayne State University and Flint campus of [she had said MSU, but it is likely that it is instead U-M Flint]. Misinformation exists re: questions like whether it's okay to shower or bathe in the water [she provided no answer for her own example – is it okay?]. Much local support exists. Info sent through schools with the children who attend them. SNAF, WIF [double check?] nutritional programs for young children. Would like to test as many young children (under 6) as possible in the city. See MI.gov or Flint Water for information about filters – Home Depot as a partner. MDEQ includes blood Pb level in their testing reports.

Question asked: Are there other substances of concern besides Pb in water? A: yes, bacteria, Cu (esp. for those with Wilson's disease), and "other chemicals." [MDEQ person later fills in a couple of these: total trihalomethanes TTHM and halo-acetic acids HAA5, which both fall under the category of disinfectant by-products DBPs]

George Christian [correct spelling?] of the MDEQ (Flint action plan coordinator): Flint had used the Flint River as a source before 1967, in 1967 switched to use of Detroit Water and Sewer Department DWSD for its water supply. Jan 2006 discussions began with Karegnondi Water Authority KWA. April 17, 2014 [event? Possibly the end of DWSD supply?]. May 2014 city began using Flint River water. Aug-Sept Boil water notices issued in part of the city of Flint, for E. coli and total coliform violations. [NOTE: spoke too quickly for me to accurately catch all of the dates/events he mentioned. People really should provide their info in writing rather than rely upon verbal briefs under distracting SEOC conditions!] Had the Flint River as a back-up supply all along, which is why the facility there was still maintained [paraphrase; didn't catch exact wording]. Late 2014-early 2015 DBPs: HAA5 and TTHM, with carbon as a treatment to remove these compounds. Sequence of tests: first at 6ppb 90th percentile level [he didn't explain this well at all, but normally this would mean that the 90th percentile value is at or above the bottom 90% out of all ranked values in a list]. 2nd round of tests: up to 11ppb, compared to EPA's action level of 15ppb. Corrosion control treatment [a means of reducing lead concentrations in the water]. There were also issues reported involving the color, odor, and taste of Flint water. Virginia Tech Pb testing Sept 5 [?], 2015, with Pb advisory issued by Flint. Fall 2015 schools testing and actions required. Some fixtures and fountains above 100ppb. 4 samples per sampling point, after different flush times, 10 consecutive 1liter samples, 200-300 samples total per facility [math not exact; must be estimates], Info placed into spreadsheets and reports. Oct. 15 Flint switched back to DWSD water. Dec. 9, 2015 supplemental phosphate [PO_4] addition began. Use of erosion controls do slow but do not stop the leaching process (of lead into the water). Any resident of Flint can obtain a bottle and take water samples in for testing; results posted online. Water filters are available for free. Overall slight downward Pb trend, but some values are well over 100ppb. One child care facility measured at 2500ppb. No historical test results there [in schools?] to compare with, but some historical data exists elsewhere to compare. [No mention of the comparisons themselves!] Not a problem only of Flint's, increasing recognition of problem more broadly. "Low-lead brass fixtures" could still have as much as 8% lead. [not sure whether he said this or Dr. Wells]

Dr. Wells: Excavation and manipulation of lead lines tends to exacerbate particulate levels.\

Capt. K: Everyone review the MEMP to look for relevant information. All info to go out through PIOs (except for internal coordination and calculations).

Richard [Thelen?] of DHHS: allocation to buy water and filters, 2 pick-up locations in Genesee – free filters [locations not specified, are they at DHHS offices?]. Water purchases from South Carolina.

Brad [Deacon?] of MDARD: Food services, processing, and restaurants are also of interest. Lead affects animals as it does humans, so companion animals may be affected.

??? of the Dept of Education? "DEA" or "DoA"? [people were not introduced properly!] said something about school meals.

ARC not yet involved at this point.

LARA helped DEQ with testing. Flint & Genesee oversee their won plumbing but lack inspectors – need assist from state (Capt: or through EMAC use)

Terrace Room to be used as initial JIC, with PIOs there.

Governor's Representative [name?]: pending lawsuit against governor, potential lawsuit under Safe Drinking Water Act. Everyone do your jobs, but take care, remembering litigation potential.

MDOT [Eileen Phifer?]: Many pipes are under roads and so coordination would be good; shared objectives probably exist w MDOT, EPA, etc.

Lt. BJ Roach, MSP: Genesee Co. Public Health Dept, GCARP [??] (public assistance forum) are involved: water distribution, filter distribution, education, Pb testing clinics (coordinated with DHHS), United Way, Flint Health Dept. Over 23K filters and replacement cartridges provided so far. County GIS getting under way – coord w MSP GIS?

Capt K: submit action items to Tom Weber for IAP. Everyone stay until noon and review MEMP, then to decide whether needed after lunch today.

Tony: Required agencies already known to be needed to stay: MDEQ, DHHS, Education, Talent & Economic Growth, MDTMB, MDARD.

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 06, 2016 8:25 AM
To: Weber, Thomas (MSP)
Subject: correction in draft

Importance: High

I wanted to mention that the April 2014 date I had placed into the draft text for Flint was just a guess (highlighted in yellow to be double-checked).
I later found a document from their water system which stated that it was actually May 2014 when the transition took place from the Detroit system to the use of Flint River water.
FYI

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 5:04 PM
To: Weber, Thomas (MSP)
Subject: Flint emergency declaration work
Attachments: Flint Request draft MAS 2016.doc

FYI –

Attached is some draft material I've put together so far. Only look at the front pages – this still contains long sections "inherited" from the sample document (2014) you had sent to me. The text in yellow is worth reviewing, for potential changes. The text in white might be pretty good, as it. The text in green is inherited from the 2014 flood disaster – merely a placeholder until it can be replaced with similar text for this current event.

I will continue to expand this with new/revised information tomorrow.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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January ??, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C. 20500

Through: Ms. Janet Odeshoo, Acting Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Michigan as a result of water system problems and their associated public health impacts within the City of Flint (Genesee County), since April 2014.

The current public health emergency involves serious problems with the water quality supplied through the city's system... (Describe physical human impacts – injuries/deaths)

(Describe voluntary agency assistance provided to Flint to assist with this issue: ARC and its level of operation, Salvation Army, Southern Baptists, MIVOAD, other agencies, municipal programs/shelters, etc. Include numbers and dates – cases, persons, amounts, etc.).

(Indicate the States of Emergency declared, by whom, and for which areas.)

(Describe physical damages which have occurred, utility and service disruptions, impacts upon people, effects upon critical facilities, other emergency conditions, health and safety hazards, status of repairs/improvements and their estimated completion dates, if known.)

(Provide information on PDA findings, how/where conducted, accessibility concerns.)

General background/context:
Throughout the 20th Century, several overarching trends affected cities throughout the United States, in ways which would eventually prove to be very challenging to historical central cities—especially Flint. Through the 1920s, long-established development patterns had involved the expansion of central cities through the method of "annexation," in which outlying lands officially became part of the city and thus became supplied with urban infrastructure which allowed for more intensive development. However, as various technological advances reduced the costs of the infrastructure required to support moderate levels of development in outlying areas, many of these urban fringe areas became developed without a full need for the central city's urban infrastructure. Traditional urban transportation requirements had also been transformed by the mass-production of affordable automobiles, allowing great increases in the distances over which people could commute to work each day. These general national trends tended to then be supported and institutionalized with various laws and policies, solidifying the independent strength of "suburban" developments around each historical central city. For example, Michigan's Charter Township Act of 1947 greatly enhanced the capacity of townships to resist annexation efforts, so long as they provided a suitable level of infrastructure and services on

their own. Other post-war policies included the Federal Housing Administration's support of suburban residential development, the construction of the interstate highway system which provided infrastructure to allow rapid transportation between the central and fringe sections of most major urban areas, and subsequent shifts of retail outlets (e.g. shopping malls) and employment centers (e.g. office and industrial parks) toward outlying areas where taxes were less expensive, land was more plentiful, and metro-area processes had led to suburban areas with concentrations of wealthier consumer and highly educated, specialized labor forces existed which made these suburban locations highly logical choices for new developments of these types.

Although the proliferation of suburbs had been consistent with certain kinds of democratic ideals, allowing more freedom of choice among area schools, municipalities with their own separate electoral processes and budgets and revenue systems, and various lifestyle choices associated with certain locations, there were also serious problems which these processes were creating. One was the development of segregation patterns, which had to be offset over the course of several decades with government action such as Shelley versus Kraemer (1948) and the Fair Housing Act of 1968. Urban planners worked with new principles and requirements involving equity, such as the spatial distribution of subsidized housing according to "fair share" principles, and also involving environmental justice, recognizing that some of the most heavily polluted and disaster-prone areas were tending to be those that were becoming disproportionately occupied by poorer residents and persons identified with ethnic minority groups. Many school districts shared some of the same boundaries which had divided central cities from suburbs, resulting in another set of institutional impacts which required corrective policies to adjust for, such as busing and later Schools of Choice programs.

Although it took only a couple of decades for the negative effects of these processes upon most central cities to become clear, it often took additional decades to start correcting some of their effects. Some of these have continued to this very day because of their complexity, and thus the political, economic, and organizational difficulties of addressing them effectively. Michigan has seen central city budgets shrink greatly along with declines in those municipalities' populations, land values, intensity of development, and tax revenues. A "vicious circle" has sometimes developed, in which declines of one type have gone uncorrected for enough time that related declines are caused or worsened, leading to a dilemma of how to stop such a negative cycle from continuing.

In the case of the City of Flint, it had grown rapidly during the early 20th Century and then saw its population peak in the 1960 census, at a population of nearly 200,000. From this peak, the population had dropped only slightly by 1970, but each decade thereafter saw the loss of more than 10% of the city's population. Today's population is estimated at only about 100,000—only about half of what it had been 50 years before. But despite the loss of important industrial plants and their associated jobs, most of this change in the central city was the result of a dispersion of population and resources across the broader metropolitan area, rather than from an overall metropolitan decline. Genesee County as a whole continued to have its population increase through 1980. As Flint itself lost about 37,000 persons between 1960 and 1980, Genesee County's population increased by about 76,000. Only then did the area as a whole start declining, sporadically and inconsistently, with the county sometimes registering slight

population growth, alternating with periods of larger decline. These simultaneous patterns are shown in the following data table:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,413	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	445,589	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.3%	52.6%	43.4%	35.4%	32.7%	28.6%	24.1%

As Flint was completing its mid-20th Century boom, its population grew substantially, except during the depression decade of the 1930s. During this time, the county as a whole was also expanding, at a somewhat faster rate than the city, so the proportion of the county's population found in the central city did decline during that period. However the city's shrinking proportion within its metropolitan area did not pose much of a problem as long as both the city and the overall area were growing. By contrast, the extent of central city population loss seen after 1970 was very serious, straining the city's budget to the point where an official bankruptcy (declared in 2XXX) appeared to provide one of the clearest means to sort through the many debts and shortfalls which had accumulated. Shrinking city revenues, budgets, and services seemed over time to lead to conditions and situations which directly affected the health of its residents—alarming rises in homicide rates, deterioration of the city's housing stock, an accumulation of brownfield sites, episodes of widespread arson, and the current public health emergency involving the city's water supply.

Central cities frequently provide important services and functions for their entire metropolitan areas, but as a result of 20th Century trends, such cities often bore increasing financial burdens while doing so, as many sources of tax revenue dropped off as residents moved to suburbs and increasingly shopped and worked in those suburbs as well. Even when businesses and people remained in the central city, tax revenues often shrank when overall property values declined within an increasingly suburban and exurban metropolitan environment. According to Flint's 2013 Master Plan (page 18), the daytime weekday population of the city increases to nearly 134,000 as a result of worker and student inflows. Thus, the city regularly supports traffic and services for more than 30,000 persons beyond those who are full-time residents of the city. During major events, this number is much higher. A disproportionate number of the city's residents are in poverty. A disproportionate number of the city's residents have disabilities (functional needs).

Equally troubling, the socio-economic profile of the affected counties and local communities found at Attachment 1 shows these areas are also some of the most economically-distressed in the region and therefore least able to recover from this flood disaster on their own. For example, in Wayne County, where over 23-percent of residents live below the federal poverty level, in the hard-hit cities of Dearborn, Detroit, Highland Park, and Inkster, the poverty levels all exceed 25-percent. In the City of Highland Park, the poverty level is closer to 50-percent. Three significantly affected Wayne County communities (i.e., the cities of Detroit, Highland Park, and Inkster) have median household incomes (at $26,955, $20,298, and $28,095, respectively) that are close to one-half of the state average of $48,471. In Macomb County, the City of Warren's poverty level exceeds 17-percent and its median household income, at $44,982, also lags nearly 8-percent behind the state average. The cities of Dearborn and Dearborn Heights in Wayne County both have poverty levels exceeding the state average, and median household incomes that are less than the state average. The cities of Madison Heights and Oak Park in Oakland County also experience those same conditions. Unemployment in many of the affected communities is also high. For example, all three counties have unemployment rates (at 9.6-percent, 8.4-percent, and 11.1-percent, respectively) that exceed the state average of 7.7-percent. (Unfortunately, Michigan's unemployment rate remains one of the highest in the nation and well-above the national average of 6.2-percent.) The City of Highland Park has an unemployment rate that exceeds 23-percent, while the City of Detroit's rate exceeds 17-percent. As the table at Attachment 1 shows, several other communities particularly hard-hit by the flooding also have unemployment rates that exceed double-digits.

The following information is furnished on the nature and amount of State and local government resources that have been or will be used to alleviate the conditions of this disaster:

(Describe response actions by state and local governments. Describe any state/local Individual Assistance programs.)

In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on August 13, 2014, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor, I also proclaimed a State of Disaster for the counties of Macomb, Oakland, and Wayne, including the local political subdivisions located therein, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned counties and local political subdivisions in responding to and recovering from this disaster. I must note that numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals; assessing the damage and impacts to affected state facilities, infrastructure, and services under their stewardship; and taking appropriate actions to keep those affected facilities, infrastructure, and services operational.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that supplemental federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected counties specified in this

request, and activation of the Hazard Mitigation Grant Program for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively.

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Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions." Maps, weather and flood charts, and damage photographs related to this disaster can be found at Attachment 3, "Supporting Maps, Charts, and Photographs."

I certify that for this major disaster, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Rick Snyder
Governor

Attachments and Enclosures:

Attachment 1: Demographic Profile of the Affected Counties and Selected Local Municipalities
Attachment 2: Significant State and Local Response and Recovery Actions
Attachment 3: Supporting Maps, Charts, and Photographs

Office of Management and Budget Form No. 1660-0009
Enclosure A: Estimated Requirements for Individual Assistance under the Stafford Act
Enclosure B: Estimated Requirements for Public Assistance under the Stafford Act
Enclosure C: Estimated Requirements for Other Federal Agency Programs
Enclosure D: (Not Applicable to this Request)

ATTACHMENT 1 TO MAJOR DISASTER REQUEST

Demographic Profile of the Affected Municipality

	Persons Below Poverty Level	Median Household Income	Children under 5 years	Percent Elderly (65+ years)	Percent with Disabilities	Percent Pre-Disaster Unemployment (5-year estimate)
National Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State Average	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	XX.X%	$XX,XXX	XX.X%	XX.X%	XX.X%	XX.X%
City of Flint (Genesee Co.)	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Data Sources
U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

ATTACHMENT 2 TO MAJOR DISASTER REQUEST

Significant State and Local Response and Recovery Actions

Search and Rescue. The rapid and severe flash flooding inundated numerous sections of interstate highways, major state highways, and local roadways in the metropolitan Detroit area in the hours immediately after the heavy rainfall on August 11, trapping hundreds of vehicles and motorists in the rising water. Many of these motorists sought refuge on the tops of their vehicles or on nearby high ground and had to be rescued by Michigan State Police officers, local law enforcement officers, and local fire department personnel. Michigan State Police resources were particularly valuable to the search and rescue efforts. State Police officers provided direct assistance to stranded motorists, checked the status of abandoned vehicles, and assisted local responders in blocking access to flooded roadways. In addition, divers with the Michigan State Police Underwater Recovery Unit checked more than one hundred submerged vehicles for occupants (fortunately, none were found), and the State Police Aviation Unit conducted aerial fly-overs of the impacted areas to search for additional stranded motorists and to take aerial photographic and video footage of the flood scenes. (Some of those photographs are included at Attachment 3 to provide visual documentation of the scope and magnitude of the flooding.)

Critical Facilities and Infrastructure Restoration. A number of critical facility and infrastructure emergency restoration measures were implemented in the affected counties and local communities during the response to the severe flooding. Particularly hard hit were the interstate highways and major state roadways in and around metropolitan Detroit, although roadways in all three counties were heavily impacted by the flooding. Many sections of the affected highways in and around metropolitan Detroit (including interstate highways I-75, I-94, I-96, and I-696, and Michigan highways M-10 and M-39) were inundated with flood water, trapping vehicles and motorists who could not make their way through the rapidly-deepening water. This forced the closure of these roadway sections – in some cases for several days – so that crews from the Michigan Department of Transportation, Michigan State Police, and county and local road and law enforcement agencies could oversee the removal of stranded (and generally inoperable) vehicles; assess the physical damage to and conduct safety checks of road, bridge, and related infrastructure; and initiate appropriate facility repair and restoration measures so that the closed sections of roadway could be safely reopened to the motoring public. (Refer to the road closure map found at Attachment 3.)

Repair and restoration measures included but were not limited to: conducting safety checks of and making temporary or permanent repairs to damaged structures; removing water, mud and debris from the roadway, bridges, and rights-of-way; stabilizing banks to prevent further debris flows and physical degradation; repairing signage and electronic signals, where required; repairing pumping equipment and associated facilities to ensure they are operational; and testing the repaired facilities to ensure they will allow for safe travel. In most cases, the dedicated work crews were able to reopen the damaged highway and roadway facilities within 36-48 hours. However, some of the damaged sections of roadway and bridge infrastructure will

require more extensive permanent repairs which will take several weeks to several months to complete once funding is available to finance the repairs.

Uninsured damage to other local public facilities and infrastructure was significant. For example, in the City of Warren in Macomb County, the Police Department and Fire Department incurred nearly $2.8 million in uninsured damage to their police and fire vehicles and associated equipment. This includes 10 fully-equipped Fire Department vehicles and six fully-equipped Police Department vehicles requiring replacement, and another seven fire vehicles and nine police vehicles requiring major repairs. The City of Sterling Heights, also in Macomb County, had nearly $620,000 in insured public utility damage, while in St. Clair Shores, uninsured damage to public buildings and associated equipment totaled $225,000. In the City of Royal Oak in Oakland County, uninsured damage to a local high school and middle school totaled $210,000. Uninsured damage to St. John Providence Hospital in the City of Southfield in Oakland County was $200,000. Uninsured damage to Oakwood Hospital in the City of Dearborn in Wayne County exceeded $1.8 million, while in the City of Highland Park, also in Wayne County, uninsured damage to public utilities, city hall, and the community recreation center totaled in excess of $450,000. In the City of Detroit in Wayne County, uninsured damage to public buildings and equipment was over $930,000, with the majority of that total coming from damage to Police Department facilities. These are just a few instructive examples from the nearly $16.8 million in public damage that occurred in Michigan. Although temporary repair and restoration measures have been put in place in most instances to bring the damaged facilities and infrastructure in the three counties to basic operational status, almost all will still require extensive permanent repairs and restoration to bring them back to their pre-flood condition. That will not occur in a timely or comprehensive manner without federal disaster relief assistance.

Emergency Sheltering and Mass Care. Although the rapid (and unanticipated), heavy rainfall did not allow for preventive evacuations of the public in impacted areas, emergency sheltering and mass care services were required in several instances. For example, on August 11, over 400 stranded motorists had to be temporarily sheltered for the evening in the City of Warren because roadway flooding prohibited further travel and resulted in many areas being inaccessible by vehicle. (Many of these individual's vehicles were deeply submerged in flood water and would not have been able to travel anyway because of the damage to their vehicle.) Along M-10 in Wayne County, approximately 50 motorists were stranded for an extended period from the evening of August 11 through August 13 due to the deep flood water in the walled-in, lower sections of the highway. During this time, the American Red Cross provided these stranded individuals with food, water, and comfort kits until the roadway could be de-watered and reopened for travel. For six days after the flooding occurred, a small number of displaced flood survivors were sheltered and cared for at an American Red Cross shelter in Garden City in Wayne County because their homes were inaccessible and/or incurred sufficient damage to render them unsafe for occupancy. Lastly, the American Red Cross also provided cots and comfort kits to nearly two-dozen displaced residents at two apartment complexes in the cities of Detroit (Wayne County) and Troy (Oakland County) so that the residents could use other (unaffected) vacant units within the respective complexes for shelter, rather than having to be moved elsewhere to a temporary shelter facility.

I must note that these emergency sheltering and mass care figures are somewhat misleading, as we received reports that many more flood survivors were temporarily displaced because of flood damage and/or inaccessibility but sought shelter with nearby family, friends, or in unaffected area hotels and motels. As it is next to impossible to track these "unofficial" evacuations with any accuracy, it is safe to say that the number of temporarily displaced flood survivors is much higher than reported through official channels.

The American Red Cross generally led the organized emergency sheltering and mass care effort, supported by the Michigan Department of Human Services, the Salvation Army, and other community-based relief organizations.

Flood Recovery for Individuals and Families. To assist affected flood survivors in recovering from this devastating disaster, the American Red Cross teamed with the Michigan Department of Human Services, Michigan 2-1-1, the Michigan Community Service Commission, and other community-based relief organizations to establish and operate "Multi-Agency Resource Centers" (MARCs) in 10 different locations over a six-day period in the latter-half of August. (A corresponding map found at Attachment 3 shows the initial locations of these MARCs.) The Multi-Agency Resource Centers, which were visited by several thousand flood survivors, provided a location and means to disseminate information regarding flood recovery and available flood recovery assistance. Through these centers, flood survivors could connect with or be referred to agencies and organizations that could assist them in their recovery – addressing everything from filing insurance claims, to replacing food and clothing, to making repairs to damaged homes. In addition, the Multi-Agency Resource Centers also provided a clearinghouse for the distribution of flood clean-up kits, personal comfort kits, and other recovery supplies to those requiring such items. To date, over 300 referrals for behavioral health assistance have been made through the centers and other involved agencies.

In addition to the Multi-Agency Resource Centers, flood survivors also have the opportunity to request flood recovery information and/or assistance via the Internet or Michigan 2-1-1 telephone system. These options were widely disseminated to the public and the media in various information releases. For the internet options, affected individuals could register directly with the Recovery Coordination Center (discussed in "Management of Emergency Volunteers" below) operated by Michigan Voluntary Organizations Active in Disasters, at www.bit.ly/floodcleanupsemi, or they could register via a specially-designated web page (www.michigan.gov/miflood) at the Michigan State Police Emergency Management and Homeland Security web site, which provides a link to the Recovery Coordination Center registration form. Either option results in a referral for recovery assistance to one of the Michigan Voluntary Organizations Active in Disasters member organizations providing assistance through the Recovery Coordination Center.

(I must note that, although the Multi-Agency Resource Centers, Michigan 2-1-1, and the aforementioned web sites have been tremendously successful to date in identifying and addressing both short- and longer-term recovery needs of the affected flood survivors in this disaster, it is clear that even these collective efforts are not going to be sufficient to identify and address all of the unmet needs of the thousands of flood survivors. This is particularly true with regard to home rebuilding and restoration efforts to ensure safe re-occupancy of damaged

structures. Because over 80-percent of the affected households in the three-county area did not have insurance in place to address the damage incurred in this flash flood, it is very likely that many will be forced to occupy their homes with potentially dangerous and/or unhealthy conditions present due to damaged electrical and mechanical systems and/or the presence of black mold or other contaminants on building materials not properly dried out and restored. Simply put, the long-term unmet needs of the flood survivors far outstrip the combined resources of the involved voluntary organizations, volunteers, and existing human service programs to remedy those needs. Clearly, federal disaster relief assistance is required to enable these flood survivors to fully recover from this devastating flood and allow them to make their dwellings safe and sanitary for re-occupancy.)

Without significant relief assistance from the federal government, these individuals will not have the resources necessary to fully repair and restore their damaged homes and mechanical systems, ensure their homes are free of mold and other health hazards, and replace damaged essential household items such as appliances, clothing, food, medications, and furniture and bedding. Without federal relief assistance, it is an almost certainty that many individuals will continue to struggle to recover and be forced to live in unhealthy conditions due to mold, contact with contaminated materials, and substandard (and likely unsafe) mechanical systems that they could not afford to have properly repaired by licensed professionals.

Management of Emergency Volunteers. To date, hundreds of emergency volunteers have been mobilized through the collective efforts of the American Red Cross, Michigan Voluntary Organizations Active in Disasters, Michigan Community Service Commission, Michigan Department of Human Services, local and state emergency management offices, and community-based organizations, to assist in the recovery from this flood disaster. In fact, volunteers have been and continue to be the lifeblood of the flood recovery effort. The aforementioned agencies and organizations have done a tremendous job in managing these volunteer resources and ensuring their timely and effective use. As I previously indicated, several Multi-Agency Resource Centers have been established and successfully operated in the affected counties to allow for the distribution of clean-up and personal comfort kits, and to facilitate the connection of those in need with the agencies and organizations that can provide recovery and relief information and/or assistance.

Central to the disaster volunteer management effort has been the establishment of a Recovery Coordination Center (RCC) to provide a means to coordinate the efforts of organizations that provide volunteer assistance to flood survivors needing help in repairing and restoring their home. The majority of the volunteers providing assistance are working under the framework of Michigan Voluntary Organizations Active in Disasters, and in coordination with state and local emergency management agencies, Michigan 2-1-1, the American Red Cross, the Michigan Department of Human Services, and other community-based organizations. The Recovery Coordination Center helps identify flood survivors requiring recovery assistance and determines the nature and scope of their recovery needs. The center provides ongoing case management for individual recovery and rebuilding/restoration efforts, ensuring that no one "falls through the cracks" and does not receive the assistance they need. Affected individuals are identified and referred to the Recovery Coordination Center by Michigan 2-1-1, local and state emergency management offices, Michigan Department of Human Services county offices,

the Michigan Community Service Commission, churches and other faith-based organizations, or by involved volunteers themselves. Once a flood victim is registered with the Recovery Coordination Center, their recovery needs are referred to the appropriate agency or volunteer organization for follow-up action. Through the center, voluntary organizations can also track their recovery efforts, thus ensuring an accurate accounting of the volunteer hours spent with each flood victim. Currently, over 4,000 homeowners have requested clean-up and restoration assistance through the Recovery Coordination Center. To date, over 250 homes have been completed using volunteers coordinated through the center.

However, as I indicated earlier, even with these outstanding volunteer efforts in place the collective capabilities of volunteers can only go so far in meeting the more difficult long-term recovery needs aimed at ensuring safe and sanitary conditions in flood-damaged homes. Because of the lack of adequate insurance (less than one in five households was adequately insured) to help pay for potentially-expensive repair and restoration activities required to make home structural elements and mechanical systems safe and functional, and to fully-remove the presence of black mold and other contaminants in flood-damaged building materials, it is essential that federal disaster relief assistance be provided. Absent this assistance, affected flood survivors will, in many cases, be forced to live in potentially-dangerous and/or unsanitary conditions because they do not have the financial resources necessary to fully restore their dwellings to pre-flood condition in a timely manner – or at all.

Debris Removal to Protect Public Health and Safety. Debris management was a critically important recovery issue in the days and weeks immediately following this flood disaster. Throughout the affected counties and communities, extensive and rapid debris operations were required to clear and remove flood-damaged building materials and personal property from curbsides and roadway rights-of-way in residential and commercial areas in order to protect public health and safety and enable the continuing use of adjacent roadways, sidewalks, and fire hydrants. The wet, heavy, contaminated flood debris from tens-of-thousands of flood-damaged homes and businesses, coupled with the hot and humid weather conditions that occurred in the days that immediately followed the flood disaster, set the stage for potentially-dangerous and unsanitary conditions in these densely-populated and heavily-developed urban areas. Because of the very real potential for a public health emergency, it was necessary for the affected local communities to muster all of the private and public debris clearance and removal resources they could to ensure rapid and environmentally-compliant removal and disposal of this debris.

In that regard, the affected local jurisdictions did an exemplary job in rapidly managing this difficult and potentially life-threatening recovery issue. With the assistance of various state agencies working out of the State Emergency Operations Center, the local jurisdictions were able to identify sufficient resources to address their debris removal and disposal needs in a rapid and environmentally-compliant manner. All of the affected local communities effectively worked with the Michigan Department of Environmental Quality to obtain required emergency waivers for temporary debris storage and transfer centers, and for emergency transportation of flood debris to approved landfill facilities. These debris removal efforts, however, came at a collective $7 million cost to the affected local jurisdictions in the three counties – a cost which

these jurisdictions are not in a position to bear without significant cuts to other essential programs and services.

Emergency Public Information. During the first hours and days after the flash flooding occurred, the affected local jurisdictions and several Michigan state agencies undertook a comprehensive emergency public information campaign to warn residents of the health and safety risks posed by the flooding and flood-related damage, and to provide updates on recovery issues and concerns. Of particular concern initially were the health and safety risks associated with structural damage, damaged electrical and mechanical systems, and contaminated flood debris. Later, the public information focus shifted to address longer-term recovery issues such as use of licensed and reputable contractors, price-gouging, scam avoidance, and home restoration best practices. This public information campaign continues today, in both English and appropriate non-English languages, and will so for the foreseeable future until all recovery-related issues and concerns have been effectively dealt with. All appropriate media sources have been utilized in this campaign, including television, radio, print media, and web and social media sites. Although there were two incident-related deaths in the early days after the flooding, since that time this campaign has been largely successful in minimizing flood-related injuries and health and safety problems.

The Michigan United Way 2-1-1 telephone referral system has been a tremendously successful means of disseminating important recovery-related information and making referrals to agencies and organizations that can provide recovery assistance. To date, Michigan 2-1-1 has fielded nearly 10,000 calls from individuals seeking flood recovery information and/or referrals. Michigan 2-1-1 has been instrumental in connecting individuals in need with the appropriate resources to enable them to recover from this flood disaster. Despite its success, Michigan 2-1-1 also had one potential downside, that is, the large number of "abandoned" calls from callers that chose to hang up rather than utilize the call-back option when lines were busy. Telephone logs show that over 3,100 calls were abandoned between mid-August and the first week of September. This is disturbing to me because there is no way to track with certainty whether or not these individuals actually did receive the information and/or assistance they were seeking when they initially called Michigan 2-1-1. My hope is that they did, but I suspect a portion of these callers simply gave up and did not further seek recovery information and/or assistance.

(I must note that my concerns in this regard are not necessarily limited to Michigan 2-1-1. Reports received from state and local staff that participated in the Preliminary Damage Assessment indicate that a potentially large number of affected individuals may not have sought assistance due to a number of reasons, including but not limited to: a general distrust of or frustration with government; language and/or cultural barriers; technology barriers, i.e., do not regularly monitor media reports, the internet, or social media; or a lack of understanding regarding available resources and the means for accessing those resources. If federal disaster relief assistance is granted based on this request, we may find many additional individuals that may seek to apply for federal assistance – over and above those estimates developed in the Preliminary Damage Assessment.)

State Response and Recovery Assistance Efforts. Michigan's state departments and agencies and nongovernmental partner organizations have provided whatever appropriate resources they had at their avail to assist the affected counties and local jurisdictions in responding to and recovering from this flood disaster. Although the following is by no means an all-inclusive accounting of all response and recovery efforts, it does provide brief synopses of some of the more noteworthy efforts:

The **Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD)** began to monitor the incident in the early evening of August 11, after reports of flash flooding were first received from the affected local emergency management officials and the National Weather Service. Immediate communications were established with the local emergency management officials to assess the nature, scope, and magnitude of the incident and to help coordinate the provision of state resources as needed. This monitoring continued through the evening hours of August 11. When reports from the affected local jurisdictions and the Michigan Department of Transportation indicated that metropolitan Detroit interstate highways and major roadways had suffered major flooding, the MSP/EMHSD notified key staff to report to the State Emergency Operations Center (SEOC). The SEOC was in partial activation status for several hours, and then went to full activation status at 10:00 AM on August 12. Numerous departments, agencies, and nongovernmental partners responded and reported to the SEOC for duty.

The MSP/EMHSD coordinated SEOC operations at full activation status for the next 14 days, operating 24 hours a day, 7 days a week, on 12-hour shifts. On August 25, the overnight shift was terminated and the operational hours were changed to 8:00 AM till 8:00 PM. The SEOC remained on that schedule for two days, until August 27, when the hours were changed to 8:00 AM till 5:00 PM to more closely align with the Preliminary Damage Assessment operations ongoing in the three-county impact area. On September 8, the SEOC went to a weekly operational period.

Throughout the SEOC activation, the MSP/EMHSD staffed command, operations, logistics, planning, public information, mapping and technical support positions to keep the SEOC functioning at full capability and to fully support the state department/agency and nongovernmental partner representatives present in the facility. During this period, the MSP/EMHSD coordinated all resource requests received from the affected local jurisdictions, ensuring that each request was appropriately addressed in a timely manner. The MSP/EMHSD also coordinated the collection, compilation, review, analysis, synthesis, and reporting of damage and impact assessment information received from the affected jurisdictions and state departments/agencies. The MSP/EMHSD also conducted several briefings daily for local officials, state departments/agencies and nongovernmental partners, and other interested parties, to keep all stakeholders apprised of ongoing or planned activities and areas of concern. Daily incident management plans were developed by SEOC command staff to focus SEOC activities on planned incident management objectives and to ensure that state resources were being appropriately utilized to address the most pressing issues during the operational period. In addition, the MSP/EMHSD developed numerous daily written situation status reports and public information releases to keep SEOC staff, state government executive and legislative

leadership, local officials, our emergency management partners, and the public informed of ongoing issues, concerns, activities, and opportunities for coordination and/or involvement.

From August 25 to September 9, the MSP/EMHSD worked closely with Federal Emergency Management Agency officials to coordinate and conduct Preliminary Damage Assessments for both Individual Assistance and Public Assistance in the three-county impact area. The MSP/EMHSD was instrumental in the set-up of and conduct of the Preliminary Damage Assessment, handling all administrative and logistical aspects of the operation from the SEOC and an on-site coordination center established at the Double Tree Inn in Dearborn. Lastly, using the assessment information and findings from the Preliminary Damage Assessment, the MSP/EMHSD provided considerable technical assistance to me and my staff in the drafting of this request letter and in compiling the supporting information found in the various Attachments and Enclosures.

In addition to the MSP/EMHSD contributions, the **Michigan State Police (MSP)** also deployed considerable resources during the flood response to assist local officials in controlling access to flooded areas, conducting underwater search and rescue in flooded areas, and assisting with security and traffic control as required. Early in the response, the MSP Aviation Unit also flew aerial reconnaissance and assessment missions over the affected areas to search for additional stranded motorists on flooded highways, to aid local and state officials in determining the scope and magnitude of the flooding, and to take aerial photographs and video footage of flooded areas for damage and impact assessment purposes. (Some of those photographs appear in this letter at Attachment 3.) The MSP Special Operations Division also assisted at the SEOC, and the Michigan Intelligence Operations Center (MIOC) continuously monitored the flooding conditions and sent out situational awareness bulletins on the weather and flooding to all stakeholder partners through the duration of the response and recovery.

The **Michigan Department of Agriculture and Rural Development (MDARD)** made available flood clean-up (to include sewage) guidance to affected food establishments in the three-county impact area. This guidance was provided in English, Spanish, Arabic, and Mandarin languages. In addition, the MDARD and the U.S. Food and Drug Administration (FDA) Detroit District Office coordinated with various food industry associations in Michigan to assess the impact of the flooding on the food and agriculture sector and to determine appropriate follow-up measures necessary to protect public health. (Providing the clean-up guidance to food establishments was one of the necessary measures.) During this outreach process, the MDARD focused on food warehouses and retail establishments while the FDA focused on food processors and other regulated firms (e.g., drug, biologics, medical devices, etc.) within the local jurisdictions most heavily impacted by the flooding. (Those jurisdictions included but were not limited to: Warren, St. Clair Shores, and Clinton Township in Macomb County; Madison Heights, Ferndale, and Royal Oak in Oakland County; and Dearborn, Dearborn Heights, and Detroit in Wayne County.) In addition, the MDARD also reached out to the affected health departments (county and City of Detroit) who license and inspect restaurants, and with major grocery store chains and trade associations. MDARD personnel also inspected a number of gasoline stations in the affected area to determine if any had issues with flood water in their gasoline storage

tanks. (One did, but the issue was satisfactorily resolved by the state inspectors.)

The **Michigan Department of Community Health (MDCH)** coordinated with affected local health departments regarding the provision of disaster behavioral health resources; monitored and coordinated with local hospitals and the Region 2 Health Care Coalition regarding flood-related damage and the resultant impacts on hospital operations; and worked closely with the SEOC Public Information Officer to disseminate appropriate and timely health-related information to flood survivors.

The **Michigan Department of Environmental Quality (MDEQ)** coordinated extensively with local officials involved in debris management operations to ensure compliance with federal and state environmental laws and regulations; issued timely emergency approvals of sites designated for use as temporary debris storage and transfer sites; issued other emergency authorizations and waivers where appropriate; provided technical assistance to local officials and private debris management firms regarding issues pertaining to the collection, storage, transport, and disposal of flood-related debris; assisted in the identification of supplemental debris management resources for local officials in need of such resources; and monitored flood-related impacts on local drinking water treatment plants and operations in the affected area.

The **Michigan Department of Human Services (MDHS)** coordinated with involved voluntary relief organizations, community-based organizations, MDHS County Offices and the Michigan Community Service Commission, Michigan 2-1-1, and other human service providers to identify, assess, and attempt to meet the recovery needs of flood survivors. The MDHS undertook a number of activities during the response and recovery phases of this disaster to meet this broad mission, including but not limited to: coordinating with the American Red Cross, Michigan Voluntary Organizations Active in Disasters, and other voluntary relief organizations to establish and operate two temporary emergency shelters, 10 Multi-Agency Resource Centers, and a Recovery Coordination Center; coordinating the distribution of thousands of clean-up and personal comfort kits; coordinating with the SEOC Public Information Officer and other public information officials regarding the dissemination of appropriate and timely recovery information using all available means (e.g., Michigan 2-1-1, web and social media sites, television, radio, etc.); registering eligible flood survivors for the limited MDHS emergency relief assistance available; coordinating the receipt and use of donated goods for the recovery effort; resolving debris management issues for volunteers providing clean-up and/or repair assistance through the Recovery Coordination Center; assisting with volunteer recruitment through the Michigan Community Service Commission and other means; procuring needed supplies for volunteer repair/clean-up teams; and addressing recovery-related issues for various functional needs populations affected by the flooding.

The **Michigan Department of Licensing and Regulatory Affairs (MDLARA)** monitored incident-related energy disruptions and energy supply issues related to the storms and flooding; monitored the operations of regulated health care facilities affected by the flooding; provided (through the Michigan Occupational Safety and Health Administration – MIOSHA) worker safety information to emergency responders and workers, as appropriate; and provided (through the

Bureau of Construction Codes) information to citizens in the City of Highland Park and other communities on mandated building, mechanical, electrical and plumbing inspections.

The **Michigan Department of Technology, Management and Budget (MDTMB)** monitored the impacts of the flooding on state owned and operated facilities and state government operations in the three-county area; assisted in obtaining needed resources for emergency operations and/or flood recovery through standing vendor contracts and/or the state's emergency procurement process; identified and procured office space and coordinated information technology installation for needed emergency facilities; and assisted in transporting recovery supplies to Multi-Agency Resource Centers and other distribution facilities.

The **Michigan Department of Transportation (MDOT)**, assisted by local public works and law enforcement personnel and the Michigan State Police, managed the closure of several sections of interstate and state highways in and around metropolitan Detroit that were inundated by flood water. This included several sections interstate highways I-75, I-94, I-96, and I-696, and Michigan highways M-10 and M-39. The MDOT also monitored and reported on closures of local roads and bridges by local officials; reported on the scope and magnitude of road and bridge damage in the affected counties; coordinated with the Federal Highway Administration (FHWA) regarding implementation of its Emergency Relief Program; and participated in the Public Assistance Preliminary Damage Assessment for road and bridge damage.

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ATTACHMENT 3 TO MAJOR DISASTER REQUEST

Supporting Maps, Charts, and Photographs

The following maps, photographs, and charts are furnished to support the narrative contained in the body of this letter, and in Attachment 2:

Disaster Area Maps

Jurisdictions Covered by Local and/or State Declarations
August 11, 2014 Historic Rainfall in Southeast Lower Michigan

Source: State Emergency Operations Center, Geographic Information Systems Unit

Disaster Area Maps (cont.)

Interstate / Major State Highway Closures
August 11, 2014 Historic Rainfall in Southeast Lower Michigan

Source: State Emergency Operations Center, Geographic Information Systems Unit

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Disaster Area Maps (cont.)

Initial Multi-Agency Resource Centers in Declared Areas
August 11, 2014 Historic Rainfall in Southeast Lower Michigan

Source: State Emergency Operations Center, Geographic Information Systems Unit

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Selected Photographs of Flood Damage and Impacts

Row 1, L-R: Oakland County – water rescue; Macomb County – flood-damaged home foundation in the City of Warren.
Row 2, L-R: Oakland County – recovery of submerged vehicles; Oakland County – flooded highway.
Row 3, L-R: Oakland County – aerial view of flooded I-75; Oakland County – residential flooding.

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National Weather Service Images and Precipitation Report

6:00 PM Radar Image for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Source: National Weather Service – Detroit/Pontiac Office; Iowa State University (Iowa Environmental Mesonet)

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National Weather Service Images and Precipitation Report (cont.)

7:11 PM Radar Image for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Source: The Weather Channel

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National Weather Service Images and Precipitation Report (cont.)

Upper Level Atmospheric Storm Track for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Centers for Environmental Prediction Image)

Source: National Oceanic and Atmospheric Administration – National Centers for Environmental Prediction

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National Weather Service Images and Precipitation Report (cont.)

Local Storm Reports for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

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Source: National Weather Service – Detroit/Pontiac Office; Iowa State University (Iowa Environmental Mesonet)

National Weather Service Images and Precipitation Report (cont.)

24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Weather Service Image)

Source: National Weather Service – Detroit/Pontiac Office

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National Weather Service Images and Precipitation Report (cont.)

24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(Advanced Hydrologic Prediction Service Image)

Source: National Weather Service – Advanced Hydrologic Prediction Service

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National Weather Service Images and Precipitation Report (cont.)

24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Weather Service Image – Alternate Format)

Source: National Weather Service

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National Weather Service Images and Precipitation Report (cont.)

Record Rainfall Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Source: National Weather Service – Detroit/Pontiac Office

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National Weather Service Images and Precipitation Report (cont.)

Selected Precipitation Reports for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Source: National Weather Service – Detroit/Pontiac Office
Note: All totals measured

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ENCLOSURE A TO MAJOR DISASTER REQUEST

Estimated Stafford Act Individual Assistance Requirements

Verified Home Damage

County	Homes Destroyed	Homes with Major Damage	Homes with Minor Damage	Homes Affected	Getting Assistance	Total	% Owner Occupied	% Insured	% Low Income	HUD FMR for 2 Bedroom
Macomb	1	94	182	138	138	415	94%	19%	11%	$646.00
Oakland	0	36	216	189	189	441	89%	19%	4%	$646.00
Wayne	0	112	593	708	708	1413	85%	17%	18%	$646.00
Total / Average	1	242	991	1035	1035	2269	88%	17%	14%	$646.00

Notes: FMR = Fair Market Rent; Percent of affected dwellings eligible for Individuals and Households Program (IHP) = 100%

Individuals and Households Program (IHP) Cost Estimates

Estimated Housing Assistance (HA)	Number of Households (Uninsured)	Cost	Total Cost	Category Total Cost
TEMPORARY HOUSING				**$290,505**
Rent (Pre-Disaster Renters) – 1 month	281		$150,365	
Rent (Owners w/Major or Destroyed) – 1 month	217		$140,140	
REPAIR ASSISTANCE				**$9,457,196**
Repair Costs (Owners w/Affected)	745	$1,500	$1,117,500	
Repair Costs (Owners w/Minor)	717	$3,588	$2,572,496	
Repair Costs (Owners w/Major)	178	$32,400	$5,767,200	
REPLACEMENT ASSISTANCE				**$31,754**
Replacement Costs (Owners w/Destroyed)	1	$31,754	$31,754	
TOTAL ESTIMATED HOUSING ASSISTANCE (HA)	1,922		$9,779,455	
Estimated Average HA Award per Household		$5,088		
ESTIMATED OTHER NEEDS ASSISTANCE (ONA)				
ONA (All Renters and Owners w/Affected, Minor, Major)	1,871	$1,329	$2,487,139	
ONA (Owners – Destroyed)	0	$1,329		
TOTAL ESTIMATED OTHER NEEDS ASSISTANCE (ONA)	1,871		$2,487,139	**$2,487,139**
Total Estimated Federal Share (75%)		$1,865,354		
Total Estimated State Share (25%)		$621,785		
Estimated Average ONA Award per Household		$1,329		
TOTAL ESTIMATED HA and ONA (FEDERAL SHARE)				**$11,644,809**

ENCLOSURE B TO MAJOR DISASTER REQUEST

Estimated Stafford Act Public Assistance Requirements

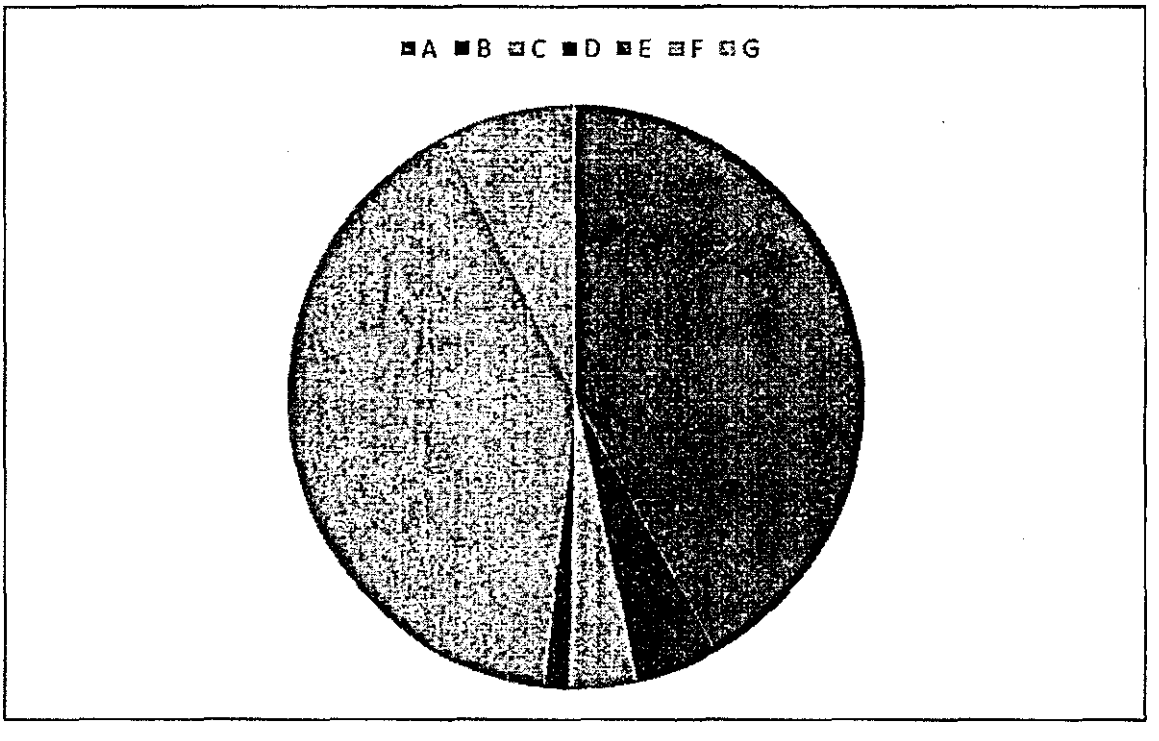
(All table figures in $; totals may vary slightly due to rounding)

County	A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equip.	F Public Utilities	G Parks and Recreation / Other	Total
Macomb	$769,831	$359,732	$307,003	$6,000	$3,119,945	$642,287	$15,293	$5,220,091
Oakland	$3,552,680	$52,819	$196,000	$48,579	$569,243	$89,615	$5,493	$4,514,429
Wayne	$2,708,198	$325,305	$141,710	$181,000	$3,144,827	$502,412	$4,025	$7,007,477
State Agencies	$0	$36,078	$0	$0	$0	$0	$0	$36,078
Totals:	7,030,709	$773,933	$644,713	$235,579	$6,834,015	$1,234,314	$24,811	$16,778,074
Federal Share (75%)	$5,273,032	$580,450	$483,535	$176,684	$5,125,511	$925,736	$18,608	$12,583,555
Non-Federal Share (25%)	$1,757,677	$193,483	$161,178	$58,895	$1,708,504	$308,578	$6,203	$4,194,519

Macomb County Population: 840,978; Per Capita Loss: $6.21
Oakland County Population: 1,202,362; Per Capita Loss: $3.75
Wayne County Population: 1,820,584; Per Capita Loss: $3.85

Public Assistance Categories, by Cost

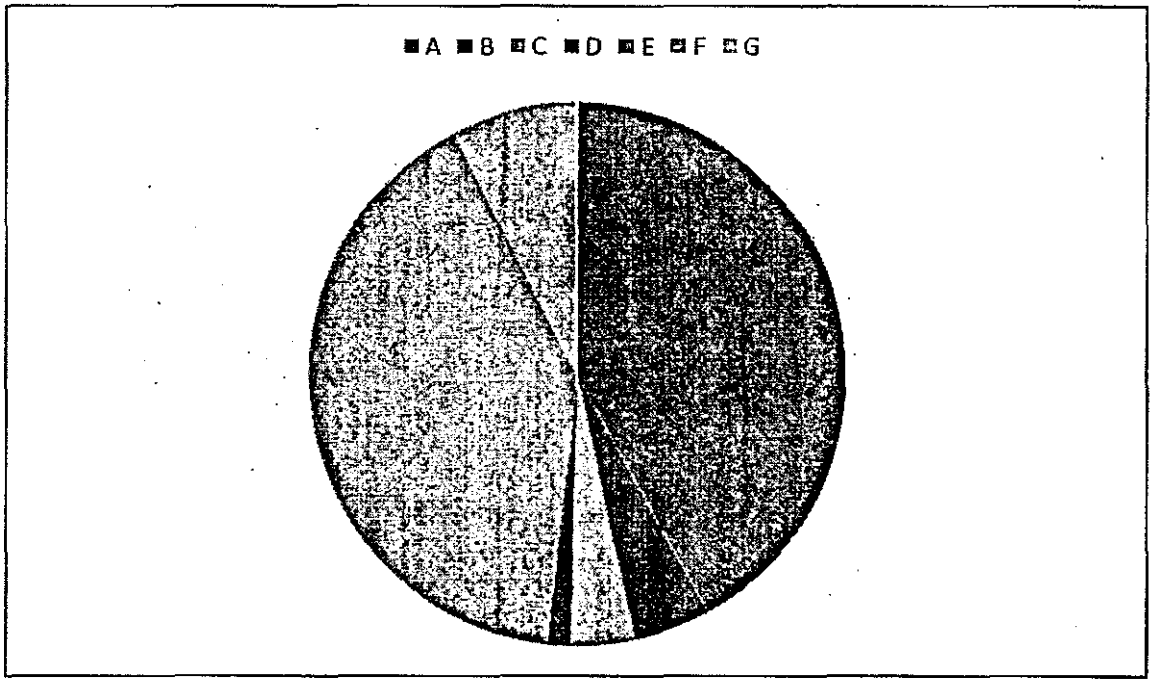
A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equipment	F Public Utilities	G Parks and Recreation / Other
$7,030,709	$773,933	$644,713	$235,579	$6,834,015	$1,234,314	$24,811



ENCLOSURE B TO MAJOR DISASTER REQUEST (cont.)

Public Assistance Categories, by Percentage

A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equipment	F Public Utilities	G Parks and Recreation / Other
42%	5%	4%	1%	41%	7%	0%



ENCLOSURE C TO MAJOR DISASTER REQUEST

Estimated Assistance from Other Federal Agency Programs

County	SBA Home Loans	SBA Business Loans	FSA Loans	NRCS	FHWA	USACE	Other
Macomb	$3,907,000	$987,000					
Oakland	$2,140,000	$8,012,000					
Wayne	$4,452,000	$470,000					
Totals	$10,499,000	$9,489,000					

ENCLOSURE D TO MAJOR DISASTER REQUEST

Historic and Current Snowfall Data

Not Applicable to this Request.

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 2:08 PM
To: Baker, Zachary (MSP)
Subject: RE: Water system/water quality

I managed to print 3 sections of the Flint Master Plan (2 - Community Profile, 8 – Infrastructure and Community Facilities, and 10 – Public Safety, Health and Welfare) but was unable to do so with section 4 (Land Use).
The three sections I do have probably contain some useful information, so if you like you can stop by to look through them and mark relevant info.
For at least an hour, I'll be working from some of the books I brought in, to provide a general historical overview... So it will likely be at least a couple of hours before I look at the sections I just printed.

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 1:59 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Water system/water quality

Sounds good!

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 1:56 PM
To: Baker, Zachary (MSP)
Subject: RE: Water system/water quality

What I've seen so far of them looks great. ☺
I've tried sending stuff to the printer, for more scrutiny during our network shutdown...

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 1:48 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Water system/water quality

Hey Mike,

There should be enough there to answer the questions about the system (at least from what is available online). So after the network outage let me know if these will work. If not we may need to look at other sources as that was all I could find online.

Until then I will be working on other tasks for Tom.

Thanks,
Zach

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 1:38 PM
To: Baker, Zachary (MSP)
Subject: RE: Water system/water quality

Thanks! With the recent network disconnect announcement from Jim Porcello, it sounds like these things can be placed on hold for an hour or two. (I'll still be doing editing/writing from my printed sources, but it should be fine if you work on other things until the network comes back up.)

Mike

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 1:30 PM
To: Sobocinski, Mike (MSP)
Subject: Water system/water quality

Hey Mike,

This is what I have found in regards to the water system and quality distributed by the city of flint water department. The first link describes the system (very briefly), the two report links (2015 and Oct 15) explain more about the situation and actions taken, the final report explains in detail the actions taken in response to high THM levels last spring after the switch.

Water system facts
https://www.cityofflint.com/wp-content/uploads/Water-System-Facts.pdf

Annual report 2014
https://www.cityofflint.com/wp-content/uploads/CCR-2014.pdf

Quarter water quality report (Oct 15)
https://www.cityofflint.com/wp-content/uploads/Quarterly-Water-Quality-Report_Oct-15.pdf

City of flint operational evaluation report (in response to high TMM levels)
https://www.cityofflint.com/wp-content/uploads/Flint-TTHM-Operational-Evaluation-Report-August-2015.pdf

There are also a couple more documents on the following pages but they are very specific test oriented.
https://www.cityofflint.com/public-works/water-quality-concerns/
https://www.cityofflint.com/public-works/utilitieswater/

Let me know if these will work,

Zach

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 12:43 PM
To: Baker, Zachary (MSP)
Subject: RE: City of Flint Demographics Data.xlsx

Thanks very much!

I'm wondering whether you can track down another Flint document online (or set of documents) – those that describe the water supply system for the city, possibly including the transition plans themselves in which the city switched from and back to the Detroit system. Popular news articles have referred to certain details regarding the deposition of lead in the water, but it would be best to have an official source of info on such things rather than rely upon journalistic accounts. Perhaps do up to 30 or 60 minutes of searching online for a while and let me know what you find, if

anything. If you aren't finding much then perhaps some of my existing sources can be scrutinized to produce more clues (or contact might ensue with actual city department/utility representatives).

I say 30 to 60 minutes not because there is any specific rush or time limit on this (so far), but merely to designate what might count as an initial, general web search. Anything beyond that would almost certainly be better to track down using the clues and official sources (which we might end up using anyway, but it might be possible to find the same key documents with a 10 minute casual web search, so I figured you could start with that informal search). ☺

Thanks,
Mike

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 11:45 AM
To: Sobocinski, Mike (MSP)
Subject: City of Flint Demographics Data.xlsx

Hey Mike,

Here is the revised data with the 65+ and under 5 included.

Zach

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 12:43 PM
To: Baker, Zachary (MSP)
Subject: RE: City of Flint Demographics Data.xlsx

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To: Sobocinski, Mike (MSP)
Subject: City of Flint Demographics Data.xlsx

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Zach

Sobocinski, Mike (MSP)

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 11:45 AM
To: Sobocinski, Mike (MSP)
Subject: City of Flint Demographics Data.xlsx
Attachments: City of Flint Demographics Data.xlsx

Hey Mike,

Here is the revised data with the 65+ and under 5 included.

Zach

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Topic, Year and Data Source	City of Flint
Persons below poverty level (percentage), 2014 ACS (5 year estimate)	41.60%
Persons below poverty level (percentage), 2012 ACS (5 year estimate)	39.70%
Median Household Income, 2014 ACS (5 year estimate)	24,679
Median Household Income, 2012 ACS (5 year estimate)	26,339
Percent with Disabilities, 2014 ACS (5 year estimate)	20.40%
Percent with Disabilities, 2012 ACS (5 year estimate)	20.10%
Unemployment Rate (percentage), 2014 ACS (5 year estimate)	26.30%
Unemployment Rate (percentage), 2012 ACS (5 year estimate)	25.50%
Population Over 65+, 2014 ACS (5 year estimate)	11.70%
Population Over 65+, 2012 ACS (5 year estimate)	11.10%
Population Under 5, 2014 ACS (5 year estimate)	7.80%
Population Under 5, 2012 ACS (5 year estimate)	8.30%
Total Population, 2014 ACS (5 year estimate)	100,569
Total Population, 2012 ACS (5 year estimate)	103,263

State of Michigan	United States
16.90%	15.60%
16.30%	14.90%
49,087	53,482
48,471	53,046
13.90%	12.30%
13.50%	12.00%
11.40%	9.20%
12.60%	9.30%
14.60%	13.70%
13.90%	13.20%
5.90%	6.40%
6.00%	6.50%
9,889,024	314,107,084
9,897,264	309,138,711

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Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 05, 2016 11:33 AM
To: Sobocinski, Mike (MSP)
Subject: RE: weekly activities list

Thank you sir

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 11:30 AM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 4 to 8:
Section Updates: (no items)
Key Activities:

- Work on quarterly activities report and updated local HM plan tracking map (Sobocinski)
- Work to follow-up on Flint emergency declaration: draft declaration request letter (Sobocinski, Baker)
- Provide review feedback to Michigan Department of Military and Veterans Affairs re: MI National Guard bases' plan (Sobocinski)
- Evaluate, purge, sort accumulated office materials, in prep for move (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)

External Meetings: (no items)

Next week, January 11 to 15:
Section updates:

- 3 hours of Annual leave Tuesday, starting 2pm (Sobocinski)

Key Activities:

- Work to follow-up on Flint emergency declaration: draft declaration request letter (Sobocinski, Baker)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- Thursday NEMA webinar on cyber-attack, 2pm (Sobocinski, Baker)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 11:30 AM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 4 to 8:
Section Updates: (no items)
Key Activities:

- Work on quarterly activities report and updated local HM plan tracking map (Sobocinski)
- Work to follow-up on Flint emergency declaration: draft declaration request letter (Sobocinski, Baker)
- Provide review feedback to Michigan Department of Military and Veterans Affairs re: MI National Guard bases' plan (Sobocinski)
- Evaluate, purge, sort accumulated office materials, in prep for move (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)

External Meetings: (no items)

Next week, January 11 to 15:
Section updates:

- 3 hours of Annual leave Tuesday, starting 2pm (Sobocinski)

Key Activities:

- Work to follow-up on Flint emergency declaration: draft declaration request letter (Sobocinski, Baker)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- Thursday NEMA webinar on cyber-attack, 2pm (Sobocinski, Baker)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 10:56 AM
To: Baker, Zachary (MSP)
Subject: RE: City of Flint Demographics Data.xlsx

Thanks! We also need the "percent elderly" – which should be the "Age 65+" category within census age breakdowns...

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 10:53 AM
To: Sobocinski, Mike (MSP)
Subject: City of Flint Demographics Data.xlsx

Hey Mike,

Here is the data for Flint, Michigan, and the US for the mentioned topics (see attached). I also included info on the Total population for 2012 and 2014 and there have been a decline in flint but still just above 100,000.

Let me know what you would like me to find next.

Zach

Sobocinski, Mike (MSP)

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 10:53 AM
To: Sobocinski, Mike (MSP)
Subject: City of Flint Demographics Data.xlsx
Attachments: City of Flint Demographics Data.xlsx

Hey Mike,

Here is the data for Flint, Michigan, and the US for the mentioned topics (see attached). I also included info on the Total population for 2012 and 2014 and there have been a decline in flint but still just above 100,000.

Let me know what you would like me to find next.

Zach

Topic, Year and Data Source	City of Flint
Persons below poverty level (percentage), 2014 ACS (5 year estimate)	41.60%
Persons below poverty level (percentage), 2012 ACS (5 year estimate)	39.70%
Median Household Income, 2014 ACS (5 year estimate)	24,679
Median Household Income, 2012 ACS (5 year estimate)	26,339
Percent with Disabilities, 2014 ACS (5 year estimate)	20.40%
Percent with Disabilities, 2012 ACS (5 year estimate)	20.10%
Unemployment Rate (percentage), 2014 ACS (5 year estimate)	26.30%
Unemployment Rate (percentage), 2012 ACS (5 year estimate)	25.50%
Total Population, 2014 ACS (5 year estimate)	100,569
Total Population, 2012 ACS (5 year estimate)	103,263

State of Michigan	United States
16.90%	15.60%
16.30%	14.90%
49,087	53,482
48,471	53,046
13.90%	12.30%
13.50%	12.00%
11.40%	9.20%
12.60%	9.30%
9,889,024	314,107,084
9,897,264	309,138,711

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Sobocinski, Mike (MSP)

From:	MSP-EMHSD-NEWS
Sent:	Tuesday, January 05, 2016 10:25 AM
To:	MSP-EMHSD-NEWS
Subject:	MSP/EMHSD Media Monitoring Report -- Jan. 5, 2016
Attachments:	Media Monitoring Report - 2016.01.05.pdf

MEDIA MONITORING REPORT

1/5/2016

Issues:

- No issues to report.

Summary:

- Gov. Rick Snyder is considering whether to declare an emergency for Flint's contaminated water a week after apologizing to residents for the state's handling of Flint's water crisis.
- Gov. Rick Snyder is gathering the information needed to formally declare a state of emergency in Flint over the water contamination issue, but in the meantime is "already recognizing this as an emergency," spokesman Dave Murray said Monday.
- Keri Webber, summed up her feelings in as it relates to the city of Flint and its lead contaminated water: "We're terrified."
- A Genesee County judge has clarified a ruling made last month regarding water shutoff notices for Flint residents.
- The Genesee County Health department estimates 40 percent of homes have not yet installed the filters.
- About 1,200 workers are taking advantage of the relatively mild winter to build the final portion of a new pipeline to bring water from Lake Huron to communities including Flint.
- Bryn Mickle, Flint Journal/MLive editor, talks with Rachel Maddow about why his organization is calling for a federal investigation, including subpoena power, of what the Rick Snyder administration knew, and when, about the problems with lead and the new water supply to Flint.
- Nancy Kaffer opines about the state apology and that the resignation over Flint water is the first step.
- The recent scandal over lead-poisoning in the water in Flint prompted many of our communities to take a closer look at the issue. According to recent data, West Michigan neighborhoods are home to even higher levels of lead poisoning in kids than Flint.
- A former emergency management professional suspects levees are causing the Mississippi River to flood.
- With the country seemingly in a heightened state of alert, Michigan State Police are reminding local residents that they can play a critical role with the newly unveiled "If you see something, say something" campaign.

Analysis:

- Heavy coverage about Genesee County's request for a Governor's declaration.

- Concern about Flint residents obtaining the filters they need.
- Will continue to monitor the situation.

Flint Water
Snyder weighs declaring water emergency in Flint
Board declares state of emergency in Flint water crisis
Emergency declaration for Flint headed to Gov. Snyder's desk
Mother concerned, angry over continuing water crisis
Flint water customers with overdue water bills, will now get more notice before a shutoff
Flint water filter use is low
Work continues on new Michigan water pipeline
Kaffer: State apology, resignation over Flint water first step
State employees who intentionally distort data could face jail time under a proposed law
Video: New calls for federal probe of Snyder admin in Flint water fiasco
Data shows even higher lead poisoning in kids in West Michigan than Flint
Emergency Management and Homeland Security
Weather spotters serve as eyes and ears for meteorologists
Levees among possible cause of more frequent flooding
Ex-Macomb County PR rep arrested in child porn case
Police ask citizens to report unusual activity
An expert on right-wing terrorism explains the militia movement behind the Oregon takeover
El Nino storms slam drought-parched California
Michigan DNR Marks Busy 2015 With Several Successes
Clare County Crews Work To Repair Gas Line
National Weather Service Forecasts
Marquette
Gaylord
Detroit
Grand Rapids
Northern Indiana
Storm Prediction Center – Day 1 Outlook
TV/Radio Clips
Flint Water Advisory Task Force speaks for first time
Water shutoffs continue in Flint, Family suffers due to bad water
City looking for help from president
Social Media
Twitter
Facebook
YouTube
Undrinkable: Flint Water Emergency – Published January 4, 2016
Flint Water Crisis – Published January 2, 2016

FLINT WATER

Snyder weighs declaring water emergency in Flint

The Detroit News, January 4, 2016

Gov. Rick Snyder is considering whether to declare an emergency for Flint's contaminated water a week after apologizing to residents for the state's handling of Flint's water crisis.

But Michigan faces hurdles to getting federal relief, including forgiveness for state loans to Flint involving drinking-water infrastructure improvements that are covered by federal rules.

Even before any official declaration can be made, Snyder's office said Monday that state officials "are recognizing this as an emergency and are working with city and county leaders to coordinate efforts, streamline communication and tap all available resources at the state's control."

Board declares state of emergency in Flint water crisis

Detroit Free Press, January 4, 2016

Gov. Rick Snyder is gathering the information needed to formally declare a state of emergency in Flint over the water contamination issue, but in the meantime is "already recognizing this as an emergency," spokesman Dave Murray said Monday.

Murray made his comment after the Flint Journal reported the Genesee County Board of Commissioners declared a state of emergency Monday in Flint.

The board's action follows an emergency declaration by Flint Mayor Karen Weaver, who said she plans to meet this week with Snyder.

Specifics of the request are being worked out, but plans call for dealing with causes and effects of lead contamination. It's also part of the process for requesting federal assistance.

Emergency declaration for Flint headed to Gov. Snyder's desk

WJRT-TV 12 in Flint, January 4, 2016

An emergency declaration is heading to the Governor's desk.

The Genesee County Board of Commissioners signed off on the order Monday morning to try to secure federal money for Flint's fight on lead.

By declaring a state of emergency, city and county officials hope to secure federal funding to assist with the water emergency. The number they're asking for right now is $45 million from Washington.

Mother concerned, angry over continuing water crisis

WNEM-TV 5, January 4, 2016

Keri Webber, summed up her feelings in as it relates to the city of Flint and its lead contaminated water: "We're terrified."

The mother of two daughters is fearful of what the future might bring.

"My girls are 15 and 20 and very close to their next birthday. We have no idea what this means long term for the reproduction," Webber said.

The emotions this family feels on a daily basis is over flowing

It started when experts discovered high levels of lead in the drinking water flowing from the tap at houses throughout this city. Webber said the added insult is paying for that water.

"Not even offended, I am angry. Our water bill last month was $240 for what?" Webber said.

Webber's youngest daughter is 15. Victoria has had extreme complications due to lead poisoning, while her oldest Stephanie, 20, appears lead free. At least for now.

As a mother she wonders what will happen to them in a few years after having consumed lead-laced water?

"I know. There aren't words. We have fought for these kids," Webber said. "We didn't have these kids easy, it took us five years, protected them at every turn and handed them poison in a glass."

Flint water customers with overdue water bills, will now get more notice before a shutoff

WJRT-TV 12 in Flint, January 4, 2016

A Genesee County judge has clarified a ruling made last month regarding water shutoff notices for Flint residents.

Circuit Judge Archie Hayman is NOT blocking the city from issuing them for customers delinquent in paying bills since September.

That's when lower water and sewer rates were put into place after his ruling that deemed a 35-percent increase, illegal.

It's all tied to a class-action lawsuit against the city - involving Flint residents who believe they were wrongly over-charged.

Attorney Val Washington, who is representing them in the case, says the Judge is instead, requiring customers be given MORE notice - 90 days - before the city takes action with stopping service.

Notices began going out again last month.

Flint water filter use is low

WJRT-TV 12 in Flint, January 4, 2016

There's disturbing information that three months after a campaign began to make free water filters available to fight lead in Flint, many homes still do not have them.

The Genesee County Health department estimates 40 percent of homes have not yet installed the filters.

Dr. Mona Hanna-Attisha is the Hurley Medical Center pediatrician who discovered high lead levels in Flint children. She says too many parents are not making the effort to install the filters that can block lead in drinking water.

Hanna-Attisha says last month, all 54 families checked through a health program related to lead said they didn't have water filters in their homes.

We checked with adults picking up students at a Flint elementary school to see if they had filters in their homes.

"We're planning on it today because we just recently got it. The majority of people I know don't have them hooked up. Maybe they're just lazy," said Sameika Clayton.

"Well, I kind of just got mine because everyone was getting theirs in a certain order, or I couldn't really take off from work to go get it, so I just got mine," said Queda Wright.

"I got one just to keep the water pure even though we still drink bottled water," said Lemeer Bell.

You can pick up free water filters and replacement cartridges at two GCCARD offices in Flint and at the DHS offices in downtown Flint.

Call 211 for information on how you can receive a free water filter

Work continues on new Michigan water pipeline

Detroit Free Press, January 5, 2016

OREGON TOWNSHIP, Mich. — About 1,200 workers are taking advantage of the relatively mild winter to build the final portion of a new pipeline to bring water from Lake Huron to communities including Flint.

The Flint Journal reports the $285 million Karegnondi Water Authority project is on track.

Crews are burying the 66-inch-diameter pipeline on a path that starts with an intake at Lake Huron. Sections under construction include parts of Sanilac and Lapeer counties. A $71 million water treatment plant is being built in Oregon Township.

Flint switched from Detroit's water system in 2014 to Flint River water in a cost-cutting move ahead of the Karegnondi project's completion. Residents complained about the taste, smell and appearance, and children were found to have elevated blood-lead levels. Flint returned to Detroit's system in October.

Kaffer: State apology, resignation over Flint water first step

Detroit Free Press, January 5, 2016

In the quiet week between Christmas and New Year's Day, Michigan Department of Environmental Quality chief Dan Wyant resigned, followed quickly by department spokesman Brad Wurfel.

And Gov. Rick Snyder — finally — apologized for what happened in Flint.

For 18 months, Flint residents were exposed to lead-contaminated drinking water, after the city — while under state oversight and with MDEQ approval — began to draw its drinking water from the Flint River. Since the switch, an increasing percentage of Flint kids have elevated blood-lead levels. Lead poisoning causes irreversible behavioral and developmental difficulties.

So this apology, and these resignations, represent a sea change. But it's not enough.

For months, Snyder and his MDEQ attempted to dodge the reality that state policy wrought in the City of Flint. As reports, based not only on data compiled or gathered by outside researchers and journalists but on the state's own information, began to explain what was happening, Snyder's spokespeople and MDEQ officials worked to deflect, discredit and deny.

State employees who intentionally distort data could face jail time under a proposed law

Michigan Radio, January 5, 2016

A state lawmaker wants to make it a felony for state employees to manipulate datain official reports.

State Representative Phil Phelps, D-Flushing, says there's no law on the books to punish state employees who intentionally distort data to change the outcome of an official report.

Critics claim that's what happened with state reports that downplayed problems with Flint's drinking water after the 2014 switch to the city's namesake river. If that's what happened, Phelps says that should be against the law.

"If that was proven to be manipulation of data or removing data that changed the outcome, it could be subject to a five year felony," says Phelps.

Video: New calls for federal probe of Snyder admin in Flint water fiasco

MSNBC (Rachel Maddow Show), January 4, 2016

Bryn Mickle, Flint Journal/MLive editor, talks with Rachel Maddow about why his organization is calling for a federal investigation, including subpoena power, of what the Rick Snyder administration knew, and when, about the problems with lead and the new water supply to Flint.

Data shows even higher lead poisoning in kids in West Michigan than Flint

Fox 17 in Grand Rapids, January 5, 2016

GRAND RAPIDS, Mich. – The recent scandal over lead-poisoning in the water in Flint prompted many of our communities to take a closer look at the issue. According to recent data, West Michigan neighborhoods are home to even higher levels of lead poisoning in kids than Flint.

The problem in Flint was so bad it forced the head of Michigan's Department of Environmental Quality to quit last week. Yet as this crisis continues, data shows the problem is broader than the Flint area.

In a recent report, The Center for Michigan, a think tank promoting awareness of public policy issues, cited evidence that among five Grand Rapids' zip codes alone, nearly one in 10 kids tested positive for lead poisoning.

"In Grand Rapids, it's collectively between those zip codes, it's 10 percent," said Paul Haan, executive director with the Healthy Homes Coalition of West Michigan. "We're four times the national level of kids with that low to moderate to even high level of lead poison."

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

Weather spotters serve as eyes and ears for meteorologists

Port Huron Times Herald, January 4, 2016

Stan Arnett has been tracking severe weather for at least three decades.

The 70-year-old Marysville man is one of about 50 trained weather spotters in St. Clair County.

Arnett said it was something he started doing through his love of amateur radio.

"A long time ago I was interested in the magic of communicating around the world or even locally on two-way radios," he said.

Now he uses that hobby to talk to people around the world and help meteorologists determine if severe weather warnings need to be issued.

"Any severe weather ... anything that significantly impacts citizenry," is reported, Arnett said. "It's just something I can do."

Rich Pollman, the warning coordination meteorologist at the National Weather Service White Lake office, said about half of the 5,000 spotters in the 17-county region are ham radio operators.

Levees among possible cause of more frequent flooding

Associated Press, January 5, 2016

The Mississippi River floods more often than it used to, and at higher levels. Richard Knaup thinks he knows why.

The veteran emergency management director for southeast Missouri's Cape Girardeau County is fighting floods again, just as he did last year, and the year before that, and the year before that.

"Prior to levee building, the river was a wild thing and it spread out between the river bluffs," Knaup said Monday. "Now we've tried to tame it. Mother Nature and Old Man River will fight back."

Ex-Macomb County PR rep arrested in child porn case

Detroit Free Press, January 4, 2016

A former spokesman for Macomb County government, the Detroit International Bridge Co. and Cobo Center who is well-known in metro Detroit public relations and media circles has been arrested on child porn charges by the Macomb County Sheriff's Office.

Philip William Frame, 61, of Shelby Township is charged with five counts of possession of child sexually abusive material, a four-year felony; one count of using a computer to commit a crime, a seven-year crime, and a misdemeanor charge for possessing marijuana, the Sheriff's Office said today.

He was arrested and then released Saturday from the Macomb County Jail after posting a $10,000 cash or surety interim bond. He was formally arraigned today, where the same bond was continued. His next court date is Jan. 19.

Police ask citizens to report unusual activity

Soo Evening News, January 5, 2016

With the country seemingly in a heightened state of alert, Michigan State Police are reminding local residents that they can play a critical role with the newly unveiled "If you see something, say something" campaign.

"Homeland security starts with hometown security and our citizens know their neighborhoods, schools and work places better than anyone," said F/Lt. Joe Shier of the St. Ignace Post. "If something appears suspicious or out of place, don't hesitate to report it to law enforcement."

An expert on right-wing terrorism explains the militia movement behind the Oregon takeover

Vox, January 5, 2016

A group of armed activists calling itself Citizens for Constitutional Freedom took over a federal building on the Malheur National Wildlife Refuge near Burns, Oregon, on Saturday, saying they were protesting the tyranny of the federal government.

The militants have called for others throughout the US to come and join their fight. They're tapping into a growing trend: the number of unorganized militias in the US has increased 37 percent in the past year, according to the Southern Poverty Law Center.

Daryl Johnson saw this coming. In 2009, as an analyst at the Department of Homeland Security, Johnson wrote a report arguing that the economic downturn and the election of the first black president could fuel a new wave of anti-government violence from extreme right-wing groups.

His report was later leaked, provoking widespread outrage from conservatives. Johnson left DHS in 2010. But his analysis proved correct. The number of anti-government militias grew ninefold between 2008 and 2011, and after a brief period of decline, is now growing again.

El Nino storms slam drought-parched California

Associated Press, January 5, 2016

A strong storm was forecast for Northern California, prompting officials to issue flash flood watches for several rural areas hit by last year's wildfires.

El Nino storms lined up over the Pacific started soaking California with light rain Monday but a series of stronger systems are expected to arrive starting Tuesday, forecasters said.

The National Weather Service issued a flash-flood watch for Northern California communities affected by several destructive wildfires last summer and fall.

Michigan DNR Marks Busy 2015 With Several Successes

Ammoland, January 5, 2016

When wildfires raged this season in western states – and a Canadian province – the Michigan DNR was quick to put a fireman to work on putting out a hot spot on the Marquette County Road 601 fire. The fireman was among several sent to Manitoba this past summer. respond. This year, 54 individuals traveled to hot zones in Alaska, California, Idaho, Manitoba, Montana, Oregon and Washington, taking on 16 different overhead positions from fire-line leadership to command staff and hand crews. There were a total of 58 dispatches (or assignments), each one lasting roughly two weeks.

"Cooperative efforts are key to protecting people, property and resources statewide as well as nationally," said Paul Kollmeyer, DNR resource protection section manager. "We are proud that our firefighters have the necessary skills to assist with emergency situations in other states."

Kollmeyer said that while DNR firefighters are providing assistance out west or in other locations, Michigan remains adequately staffed to handle any fire incident that might start here at home. When sending staff on out-of-state firefighting assignments, the state of Michigan is fully reimbursed for all costs associated with providing that support.

Clare County Crews Work To Repair Gas Line

9 and 10 News, January 5, 2016

Construction crews in the city of Clare hit a gas line while working near an old car dealership.

Clare County's emergency manager says the crew hit a line at an old Ford dealership at the south end of Clare.

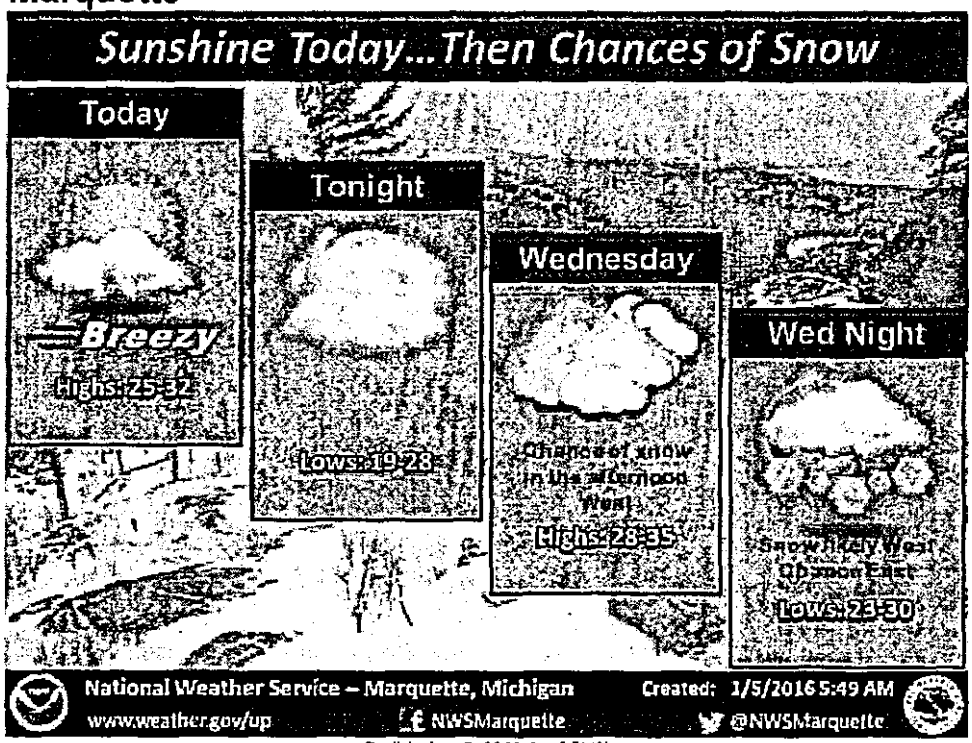
The Admiral Gas Station next to the old car dealership was quickly evacuated.

The street was blocked off between McEwan and Clare streets while crews worked to repair the line, but has since been reopened.

We have a crew heading to Clare and will have the latest updates on the gas leak on air and online.

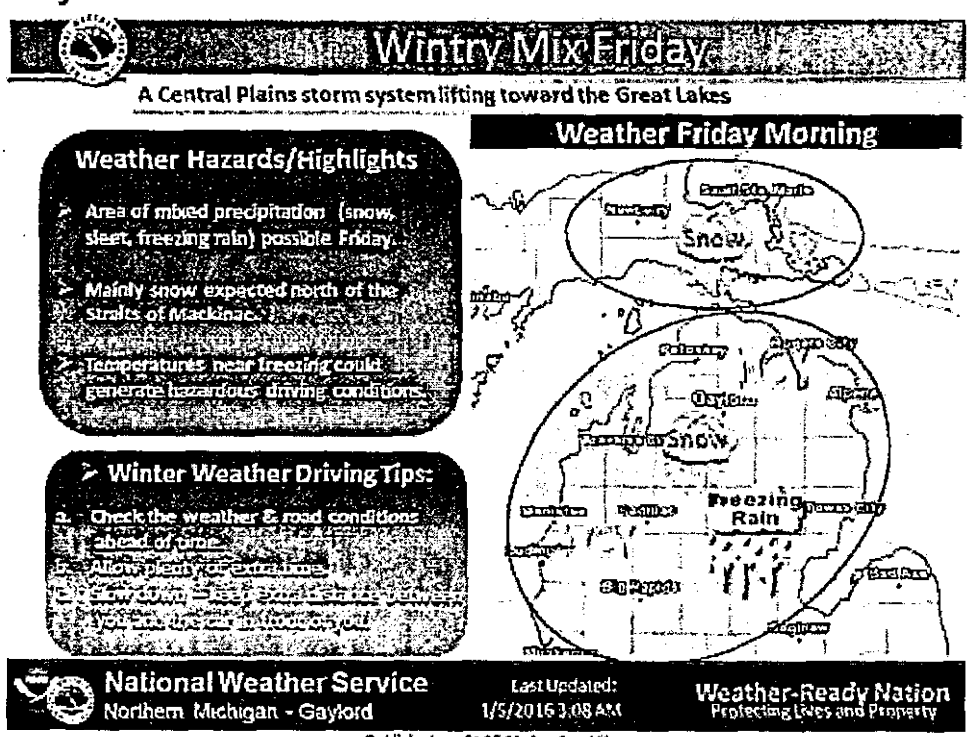
NATIONAL WEATHER SERVICE FORECASTS

Marquette



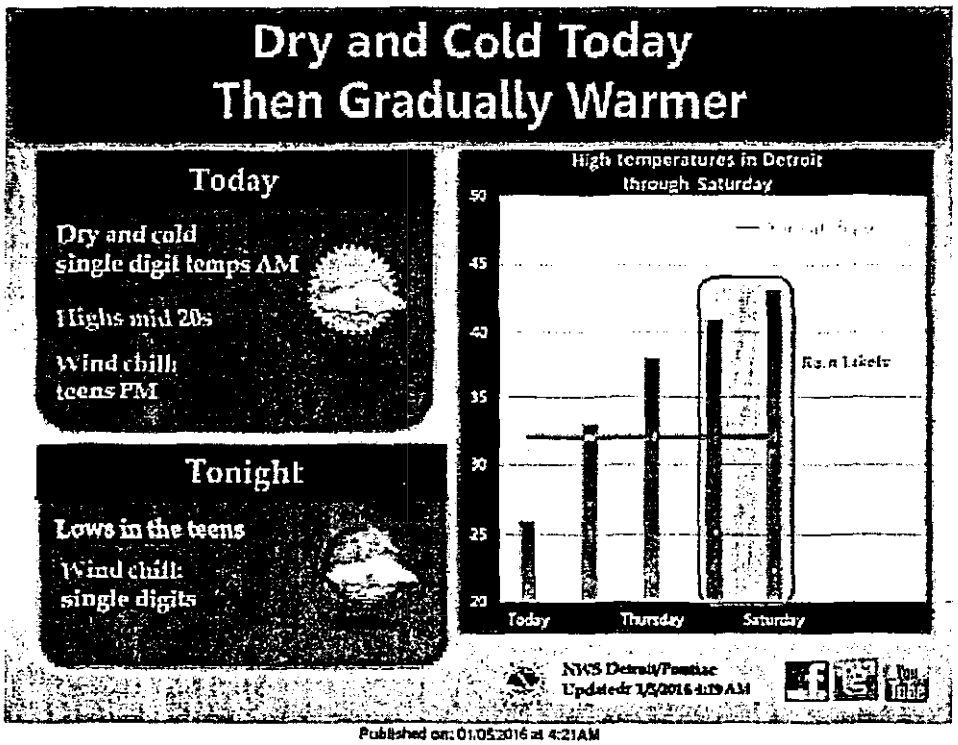
Published on: 01/05/2016 at 5:58AM

Gaylord



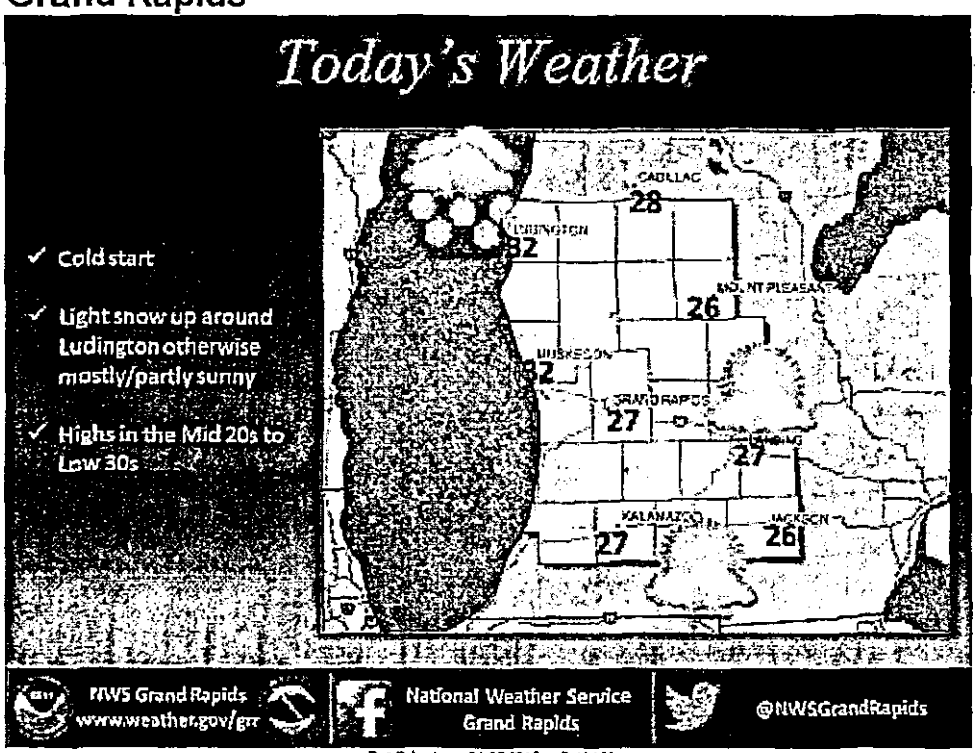
Published on: 01/05/2016 at 3:11AM

Detroit



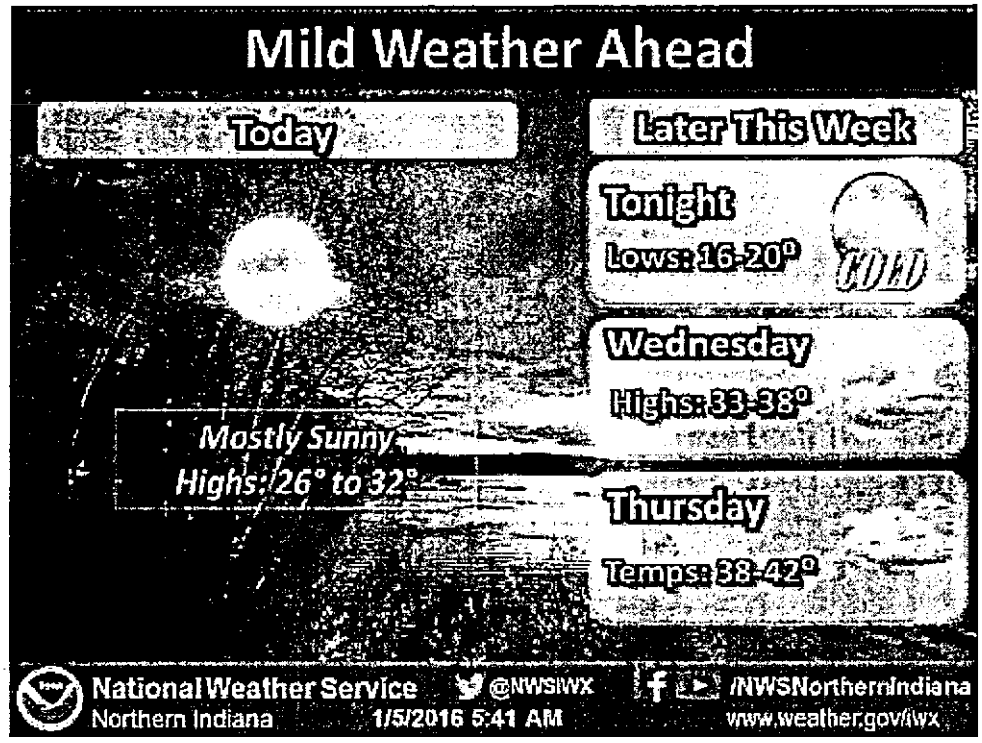
Published on: 01.05.2016 at 4:21AM

Grand Rapids

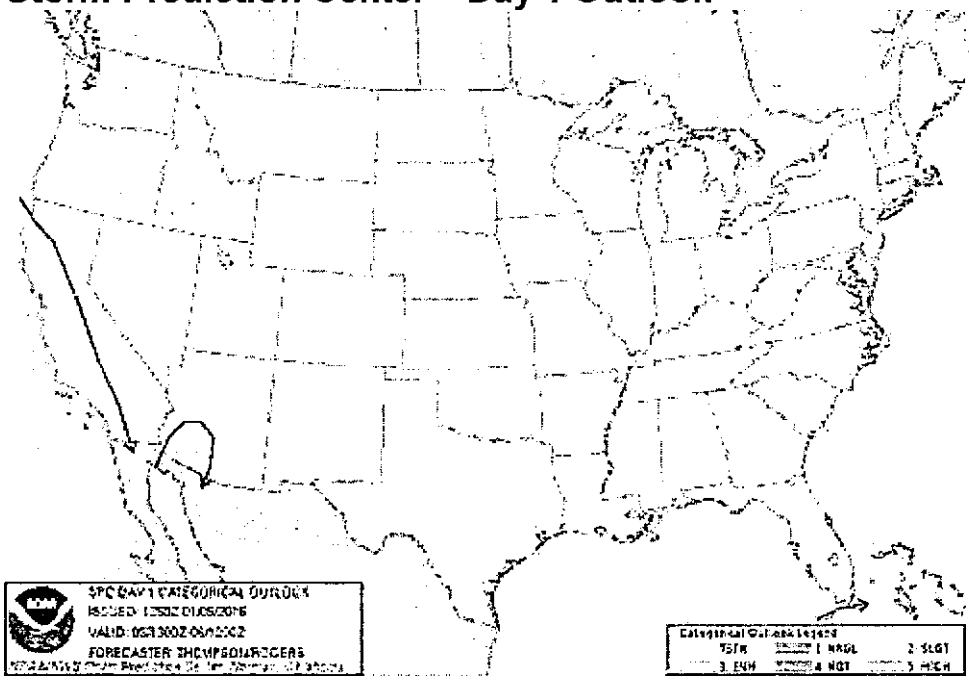


Published on: 01.05.2016 at 5:10AM

Northern Indiana



Storm Prediction Center – Day 1 Outlook



TV/RADIO CLIPS

Flint Water Advisory Task Force speaks for first time

WJRT-TV 12 in Flint, January 4, 2016

HTTP://MMS.TVEYES.COM/PLAYBACKPORTAL.ASPX?SAVEDEDITID=4B889484-6013-4380-827D-DC528D723DD9

Water shutoffs continue in Flint, Family suffers due to bad water

WNEM-TV 5 in Flint, January 4, 2016

http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=e91aa10a-58d9-4cef-a3e3-07729d9ee7df

City looking for help from president

WJRT-TV 12 in Flint, January 4, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=9a36a4a2-71c0-43ef-a581-f9696a80026d

SOCIAL MEDIA

Twitter

Flint Water Study @flintwaterstudy
Hint: The answer is 'Yes' twitter.com/flintjournal/s...

Matthew Elliot @matttbastard
Essential #FlintWaterCrisis round-up, especially for those not in the proverbial 'know'. blog.seattlepi.com/videoblogging/...

Facebook

The Rachel Maddow Show
14 hrs ·
Rachel Maddow is back in the hosting seat tonight!
Tonight we'll get the latest as the Flint mayor's declaration of emergency heads to Governor Snyder's office.
In case you missed it over the holidays, the previous update in the Flint water story was that Governor Snyder apologized for the crisis and announced the resignation of the state's environmental chief.
http://on.msnbc.com/1PcanXO

Audrey Mitten
10 mins ·
If you were compelled by "Making a Murderer" on Netflix, you'll be fascinated by "Making Flint's Poisoned Water and Looking the Other Way" by the State of Michigan.
A must see/read.
Quite the chain of events, but not yet a Federal emergency.
theguardian.com/us-news/2015/dec/30/michigan-governer-rick-s...

Theo White
4 hrs ·

You have heard the news. Even still, watch this video. Just at least the first three minutes. After you start its hard to stop.

Then ask yourself a few questions.

1. Did I vote in last year's Election that got Rick Snyder re-elected?
2. (If No) Do I feel like a complete idiot for not using my valuable vote to keep this guy from destroying the city of Flint as well as the rest of our state?
3. (If Yes) Who did I vote for again?
4. (If Yes, and you voted Snyder) What makes me so dumb? Is it that my parents raised me to vote biasedly on their own views, and I blindly helped elect a scumbag?
5. (If Yes, and you didn't vote Snyder) How could I have helped keep him from being elected in the first place when there are so many biased idiots who's biased political views come from their parents? Why aren't there more citizens voting?
6. How can I get this guy out of office

Jon Gerster

8 hrs ·

Let me just say that in this new year, 2016, is a Presidential Election year. This issue of Flint's contaminated water supply is a direct result of "you get who you vote for". Gov. Snyder, a republican is where the buck stops. He is the one who appointed the special manger to take over Flint's government from the officials those very people elected. Shame on the republicans! Remember - you get who you vote for!!!
Poor Flint!

freep.com/story/news/local/michigan/2016/01/04/board-declare...

ABC12: Your Trusted Source! WJRT-TV

13 hrs ·

There's disturbing information that three months after a campaign began to make free water filters available to fight lead in Flint, many homes still do not have them. #FlintWater

Andrew Heller

8 mins ·

Nice job, Bryn Mickle. Very succinctly put.
msnbc.com/rachel-maddow/watch/federal-probe-of-flint-water-f...

YouTube

Undrinkable: Flint Water Emergency – Published January 4, 2016

https://www.youtube.com/watch?v=TA53UEr2vaQ

Flint Water Crisis – Published January 2, 2016

https://youtu.be/mgDsnTTOg-k

MEDIA MONITORING REPORT

1/5/2016

Issues:

- No issues to report.

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- Bryn Mickle, Flint Journal/MLive editor, talks with Rachel Maddow about why his organization is calling for a federal investigation, including subpoena power, of what the Rick Snyder administration knew, and when, about the problems with lead and the new water supply to Flint.
- Nancy Kaffer opines about the state apology and that the resignation over Flint water is the first step.
- The recent scandal over lead-poisoning in the water in Flint prompted many of our communities to take a closer look at the issue. According to recent data, West Michigan neighborhoods are home to even higher levels of lead poisoning in kids than Flint.
- A former emergency management professional suspects levees are causing the Mississippi River to flood.
- With the country seemingly in a heightened state of alert, Michigan State Police are reminding local residents that they can play a critical role with the newly unveiled "If you see something, say something" campaign.

Analysis:

- Heavy coverage about Genesee County's request for a Governor's declaration.
- Concern about Flint residents obtaining the filters they need.
- Will continue to monitor the situation.

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FLINT WATER

Snyder weighs declaring water emergency in Flint

The Detroit News, January 4, 2016

Gov. Rick Snyder is considering whether to declare an emergency for Flint's contaminated water a week after apologizing to residents for the state's handling of Flint's water crisis.

But Michigan faces hurdles to getting federal relief, including forgiveness for state loans to Flint involving drinking-water infrastructure improvements that are covered by federal rules.

Even before any official declaration can be made, Snyder's office said Monday that state officials "are recognizing this as an emergency and are working with city and county leaders to coordinate efforts, streamline communication and tap all available resources at the state's control."

Board declares state of emergency in Flint water crisis

Detroit Free Press, January 4, 2016

Gov. Rick Snyder is gathering the information needed to formally declare a state of emergency in Flint over the water contamination issue, but in the meantime is "already recognizing this as an emergency," spokesman Dave Murray said Monday.

Murray made his comment after the Flint Journal reported the Genesee County Board of Commissioners declared a state of emergency Monday in Flint.

The board's action follows an emergency declaration by Flint Mayor Karen Weaver, who said she plans to meet this week with Snyder.

Specifics of the request are being worked out, but plans call for dealing with causes and effects of lead contamination. It's also part of the process for requesting federal assistance.

Emergency declaration for Flint headed to Gov. Snyder's desk

WJRT-TV 12 in Flint, January 4, 2016

An emergency declaration is heading to the Governor's desk.

The Genesee County Board of Commissioners signed off on the order Monday morning to try to secure federal money for Flint's fight on lead.

By declaring a state of emergency, city and county officials hope to secure federal funding to assist with the water emergency. The number they're asking for right now is $45 million from Washington.

Mother concerned, angry over continuing water crisis

WNEM-TV 5, January 4, 2016

Keri Webber, summed up her feelings in as it relates to the city of Flint and its lead contaminated water: "We're terrified."

The mother of two daughters is fearful of what the future might bring.

"My girls are 15 and 20 and very close to their next birthday. We have no idea what this means long term for the reproduction," Webber said.

The emotions this family feels on a daily basis is over flowing

It started when experts discovered high levels of lead in the drinking water flowing from the tap at houses throughout this city. Webber said the added insult is paying for that water.

"Not even offended, I am angry. Our water bill last month was $240 for what?" Webber said.

Webber's youngest daughter is 15. Victoria has had extreme complications due to lead poisoning, while her oldest Stephanie, 20, appears lead free. At least for now.

As a mother she wonders what will happen to them in a few years after having consumed lead-laced water?

"I know. There aren't words. We have fought for these kids," Webber said. "We didn't have these kids easy, it took us five years, protected them at every turn and handed them poison in a glass."

Flint water customers with overdue water bills, will now get more notice before a shutoff

WJRT-TV 12 in Flint, January 4, 2016

A Genesee County judge has clarified a ruling made last month regarding water shutoff notices for Flint residents.

Circuit Judge Archie Hayman is NOT blocking the city from issuing them for customers delinquent in paying bills since September.

That's when lower water and sewer rates were put into place after his ruling that deemed a 35-percent increase, illegal.

It's all tied to a class-action lawsuit against the city - involving Flint residents who believe they were wrongly over-charged.

Attorney Val Washington, who is representing them in the case, says the Judge is instead, requiring customers be given MORE notice - 90 days - before the city takes action with stopping service.

Notices began going out again last month.

Flint water filter use is low

WJRT-TV 12 in Flint, January 4, 2016

There's disturbing information that three months after a campaign began to make free water filters available to fight lead in Flint, many homes still do not have them.

The Genesee County Health department estimates 40 percent of homes have not yet installed the filters.

Dr. Mona Hanna-Attisha is the Hurley Medical Center pediatrician who discovered high lead levels in Flint children. She says too many parents are not making the effort to install the filters that can block lead in drinking water.

Hanna-Attisha says last month, all 54 families checked through a health program related to lead said they didn't have water filters in their homes.

We checked with adults picking up students at a Flint elementary school to see if they had filters in their homes.

"We're planning on it today because we just recently got it. The majority of people I know don't have them hooked up. Maybe they're just lazy," said Sameika Clayton.

"Well, I kind of just got mine because everyone was getting theirs in a certain order, or I couldn't really take off from work to go get it, so I just got mine," said Queda Wright.

"I got one just to keep the water pure even though we still drink bottled water," said Lemeer Bell.

You can pick up free water filters and replacement cartridges at two GCCARD offices in Flint and at the DHS offices in downtown Flint.

Call 211 for information on how you can receive a free water filter

Work continues on new Michigan water pipeline

Detroit Free Press, January 5, 2016

OREGON TOWNSHIP, Mich. — About 1,200 workers are taking advantage of the relatively mild winter to build the final portion of a new pipeline to bring water from Lake Huron to communities including Flint.

The Flint Journal reports the $285 million Karegnondi Water Authority project is on track.

Crews are burying the 66-inch-diameter pipeline on a path that starts with an intake at Lake Huron. Sections under construction include parts of Sanilac and Lapeer counties. A $71 million water treatment plant is being built in Oregon Township.

Flint switched from Detroit's water system in 2014 to Flint River water in a cost-cutting move ahead of the Karegnondi project's completion. Residents complained about the taste, smell and appearance, and children were found to have elevated blood-lead levels. Flint returned to Detroit's system in October.

Kaffer: State apology, resignation over Flint water first step

Detroit Free Press, January 5, 2016

In the quiet week between Christmas and New Year's Day, Michigan Department of Environmental Quality chief Dan Wyant resigned, followed quickly by department spokesman Brad Wurfel.

And Gov. Rick Snyder — finally — apologized for what happened in Flint.

For 18 months, Flint residents were exposed to lead-contaminated drinking water, after the city — while under state oversight and with MDEQ approval — began to draw its drinking water from the Flint River. Since the switch, an increasing percentage of Flint kids have elevated blood-lead levels. Lead poisoning causes irreversible behavioral and developmental difficulties.

So this apology, and these resignations, represent a sea change. But it's not enough.

For months, Snyder and his MDEQ attempted to dodge the reality that state policy wrought in the City of Flint. As reports, based not only on data compiled or gathered by outside researchers and journalists but on the state's own information, began to explain what was happening, Snyder's spokespeople and MDEQ officials worked to deflect, discredit and deny.

State employees who intentionally distort data could face jail time under a proposed law

Michigan Radio, January 5, 2016

A state lawmaker wants to make it a felony for state employees to manipulate data in official reports.

State Representative Phil Phelps, D-Flushing, says there's no law on the books to punish state employees who intentionally distort data to change the outcome of an official report.

Critics claim that's what happened with state reports that downplayed problems with Flint's drinking water after the 2014 switch to the city's namesake river. If that's what happened, Phelps says that should be against the law.

"If that was proven to be manipulation of data or removing data that changed the outcome, it could be subject to a five year felony," says Phelps.

Video: New calls for federal probe of Snyder admin in Flint water fiasco

MSNBC (Rachel Maddow Show), January 4, 2016

Bryn Mickle, Flint Journal/MLive editor, talks with Rachel Maddow about why his organization is calling for a federal investigation, including subpoena power, of what the Rick Snyder administration knew, and when, about the problems with lead and the new water supply to Flint.

Data shows even higher lead poisoning in kids in West Michigan than Flint

Fox 17 in Grand Rapids, January 5, 2016

GRAND RAPIDS, Mich. – The recent scandal over lead-poisoning in the water in Flint prompted many of our communities to take a closer look at the issue. According to recent data, West Michigan neighborhoods are home to even higher levels of lead poisoning in kids than Flint.

The problem in Flint was so bad it forced the head of Michigan's Department of Environmental Quality to quit last week. Yet as this crisis continues, data shows the problem is broader than the Flint area.

In a recent report, The Center for Michigan, a think tank promoting awareness of public policy issues, cited evidence that among five Grand Rapids' zip codes alone, nearly one in 10 kids tested positive for lead poisoning.

"In Grand Rapids, it's collectively between those zip codes, it's 10 percent," said Paul Haan, executive director with the Healthy Homes Coalition of West Michigan. "We're four times the national level of kids with that low to moderate to even high level of lead poison."

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

Weather spotters serve as eyes and ears for meteorologists

Port Huron Times Herald, January 4, 2016

Stan Arnett has been tracking severe weather for at least three decades.

The 70-year-old Marysville man is one of about 50 trained weather spotters in St. Clair County.

Arnett said it was something he started doing through his love of amateur radio.

"A long time ago I was interested in the magic of communicating around the world or even locally on two-way radios," he said.

Now he uses that hobby to talk to people around the world and help meteorologists determine if severe weather warnings need to be issued.

"Any severe weather ... anything that significantly impacts citizenry," is reported, Arnett said. "It's just something I can do."

Rich Pollman, the warning coordination meteorologist at the National Weather Service White Lake office, said about half of the 5,000 spotters in the 17-county region are ham radio operators.

Levees among possible cause of more frequent flooding

Associated Press, January 5, 2016

The Mississippi River floods more often than it used to, and at higher levels. Richard Knaup thinks he knows why.

The veteran emergency management director for southeast Missouri's Cape Girardeau County is fighting floods again, just as he did last year, and the year before that, and the year before that.

"Prior to levee building, the river was a wild thing and it spread out between the river bluffs," Knaup said Monday. "Now we've tried to tame it. Mother Nature and Old Man River will fight back."

Ex-Macomb County PR rep arrested in child porn case

Detroit Free Press, January 4, 2016

A former spokesman for Macomb County government, the Detroit International Bridge Co. and Cobo Center who is well-known in metro Detroit public relations and media circles has been arrested on child porn charges by the Macomb County Sheriff's Office.

Philip William Frame, 61, of Shelby Township is charged with five counts of possession of child sexually abusive material, a four-year felony; one count of using a computer to commit a crime, a seven-year crime, and a misdemeanor charge for possessing marijuana, the Sheriff's Office said today.

He was arrested and then released Saturday from the Macomb County Jail after posting a $10,000 cash or surety interim bond. He was formally arraigned today, where the same bond was continued. His next court date is Jan. 19.

Police ask citizens to report unusual activity

Soo Evening News, January 5, 2016

With the country seemingly in a heightened state of alert, Michigan State Police are reminding local residents that they can play a critical role with the newly unveiled "If you see something, say something" campaign.

"Homeland security starts with hometown security and our citizens know their neighborhoods, schools and work places better than anyone," said F/Lt. Joe Shier of the St. Ignace Post. "If something appears suspicious or out of place, don't hesitate to report it to law enforcement."

An expert on right-wing terrorism explains the militia movement behind the Oregon takeover

Vox, January 5, 2016

A group of armed activists calling itself Citizens for Constitutional Freedom took over a federal building on the Malheur National Wildlife Refuge near Burns, Oregon, on Saturday, saying they were protesting the tyranny of the federal government.

The militants have called for others throughout the US to come and join their fight. They're tapping into a growing trend: the number of unorganized militias in the US has increased 37 percent in the past year, according to the Southern Poverty Law Center.

Daryl Johnson saw this coming. In 2009, as an analyst at the Department of Homeland Security, Johnson wrote a report arguing that the economic downturn and the election of the first black president could fuel a new wave of anti-government violence from extreme right-wing groups.

His report was later leaked, provoking widespread outrage from conservatives. Johnson left DHS in 2010. But his analysis proved correct. The number of anti-government militias grew ninefold between 2008 and 2011, and after a brief period of decline, is now growing again.

El Nino storms slam drought-parched California

Associated Press, January 5, 2016

A strong storm was forecast for Northern California, prompting officials to issue flash flood watches for several rural areas hit by last year's wildfires.

El Nino storms lined up over the Pacific started soaking California with light rain Monday but a series of stronger systems are expected to arrive starting Tuesday, forecasters said.

The National Weather Service issued a flash-flood watch for Northern California communities affected by several destructive wildfires last summer and fall.

Michigan DNR Marks Busy 2015 With Several Successes

Ammoland, January 5, 2016

When wildfires raged this season in western states – and a Canadian province – the Michigan DNR was quick to put a fireman to work on putting out a hot spot on the Marquette County Road 601 fire. The fireman was among several sent to Manitoba this past summer. respond. This year, 54 individuals traveled to hot zones in Alaska, California, Idaho, Manitoba, Montana, Oregon and Washington, taking on 16 different overhead positions from fire-line leadership to command staff and hand crews. There were a total of 58 dispatches (or assignments), each one lasting roughly two weeks.

"Cooperative efforts are key to protecting people, property and resources statewide as well as nationally," said Paul Kollmeyer, DNR resource protection section manager. "We are proud that our firefighters have the necessary skills to assist with emergency situations in other states."

Kollmeyer said that while DNR firefighters are providing assistance out west or in other locations, Michigan remains adequately staffed to handle any fire incident that might start here at home. When sending staff on out-of-state firefighting assignments, the state of Michigan is fully reimbursed for all costs associated with providing that support.

Clare County Crews Work To Repair Gas Line

9 and 10 News, January 5, 2016

Construction crews in the city of Clare hit a gas line while working near an old car dealership.

Clare County's emergency manager says the crew hit a line at an old Ford dealership at the south end of Clare.

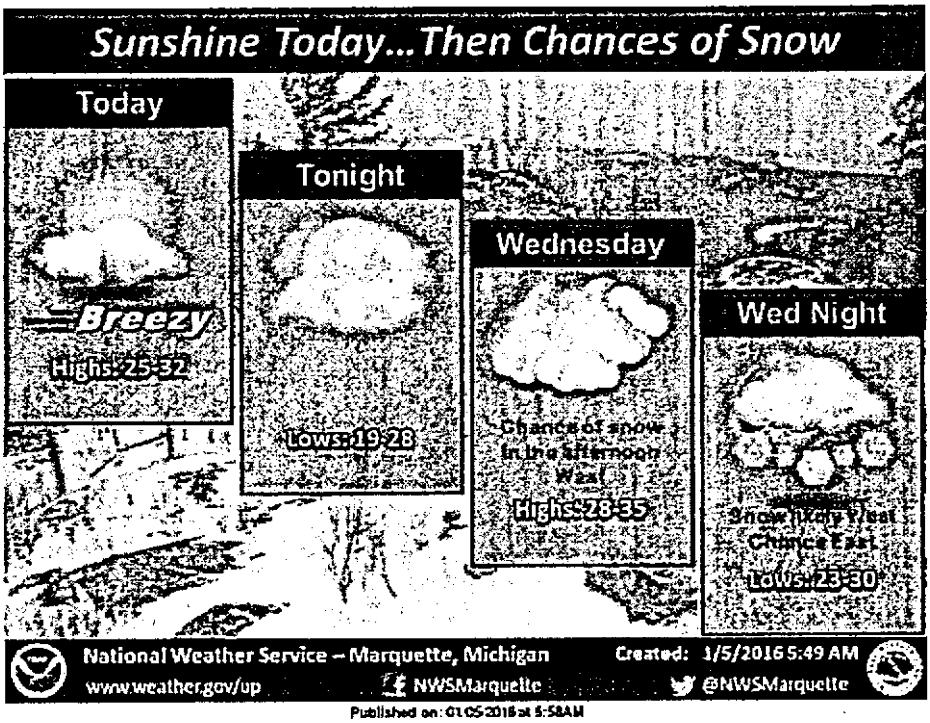
The Admiral Gas Station next to the old car dealership was quickly evacuated.

The street was blocked off between McEwan and Clare streets while crews worked to repair the line, but has since been reopened.

We have a crew heading to Clare and will have the latest updates on the gas leak on air and online.

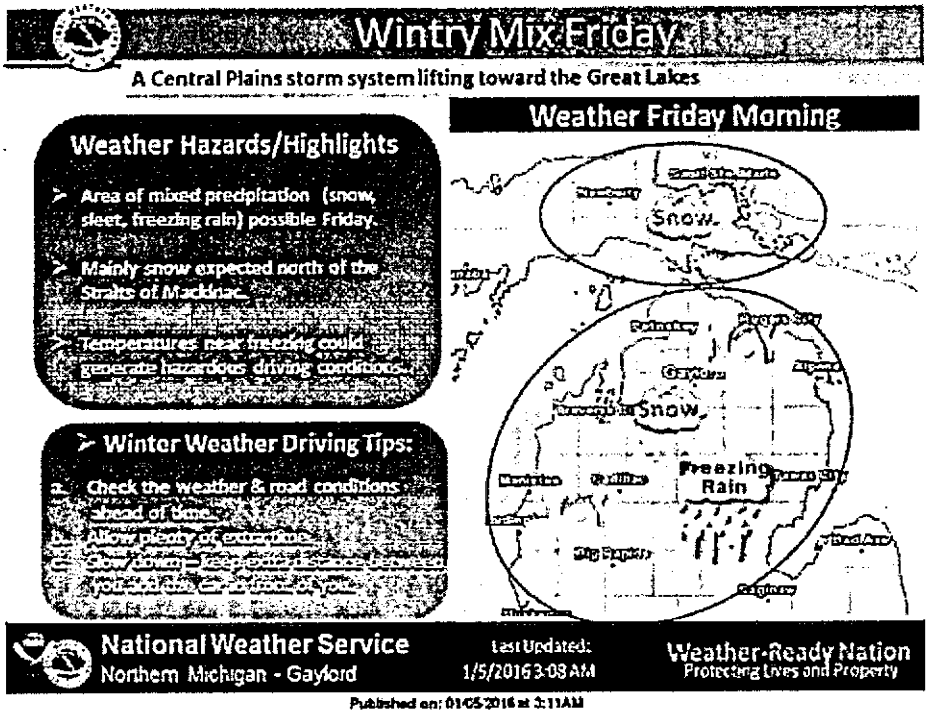
NATIONAL WEATHER SERVICE FORECASTS

Marquette



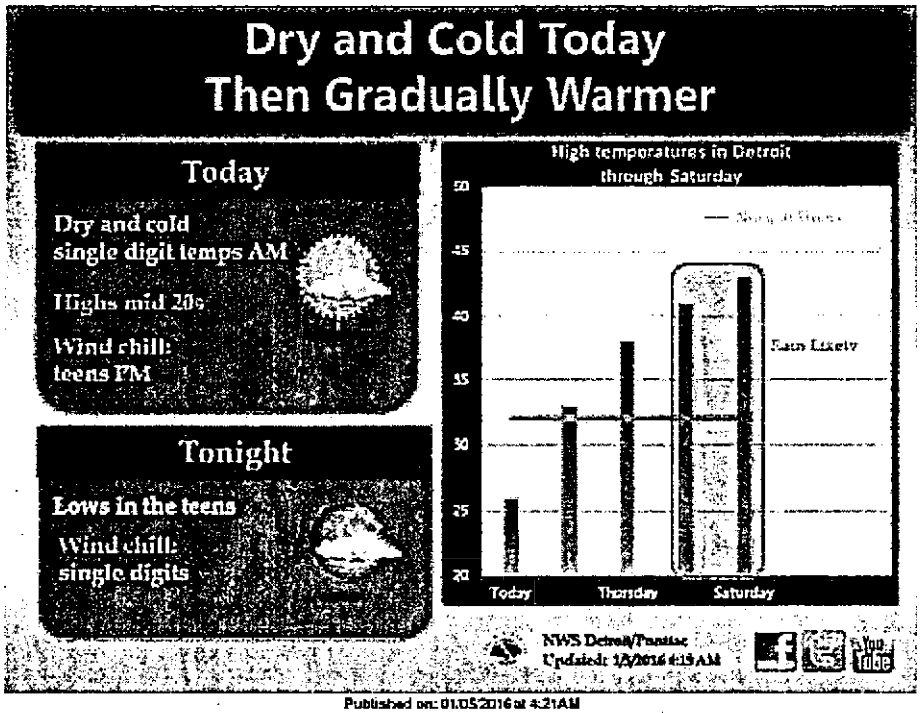
Published on: 01/05/2016 at 5:58AM

Gaylord



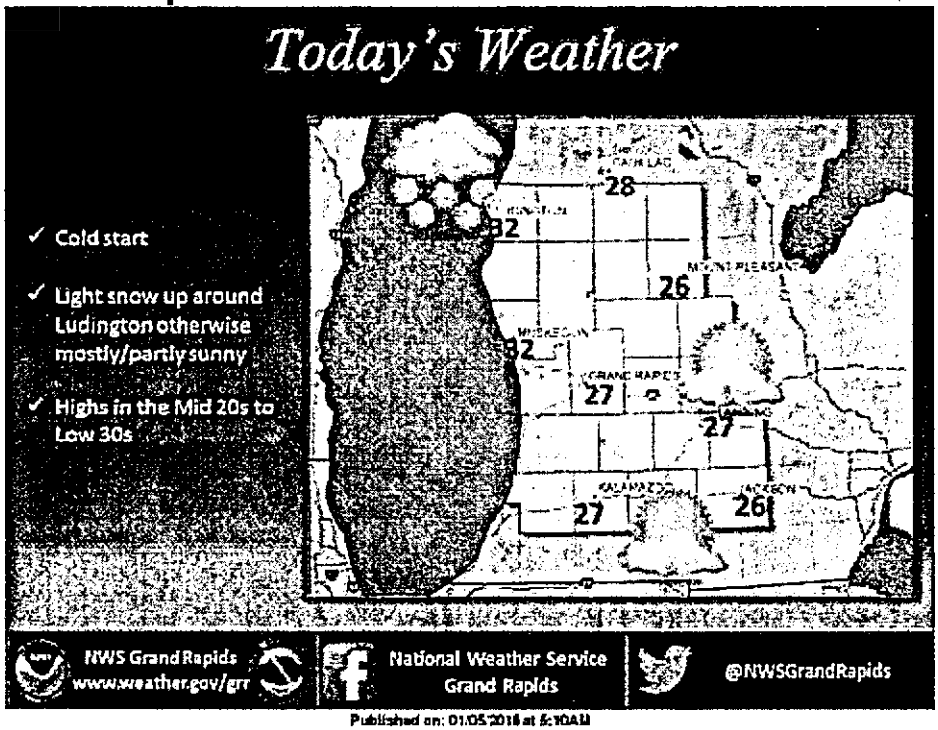
Published on: 01/05/2016 at 3:11AM

Detroit



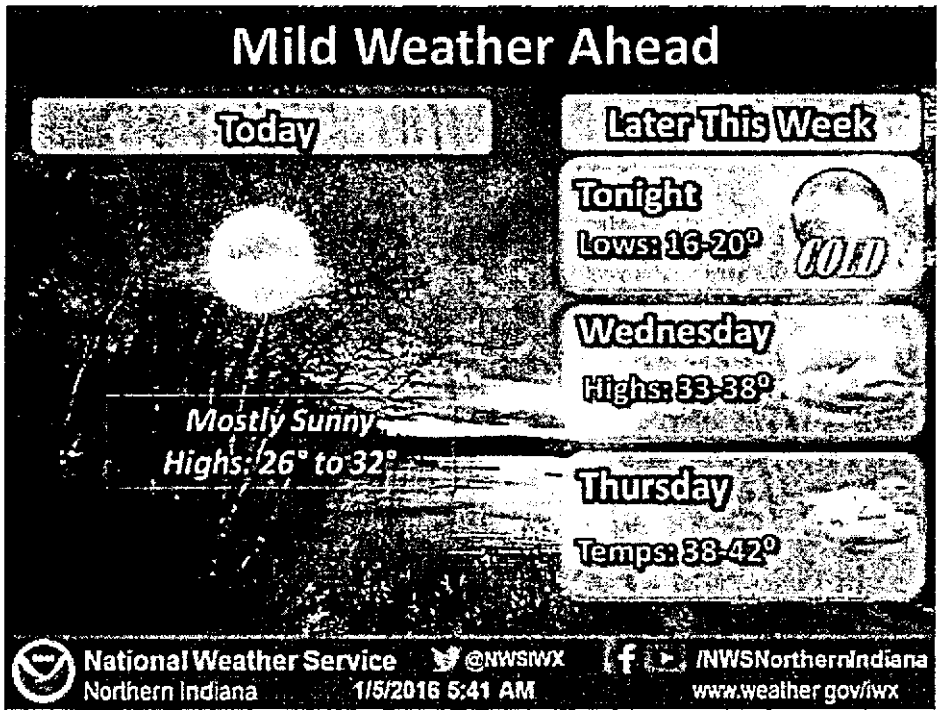
Published on: 01/05/2016 at 4:21AM

Grand Rapids

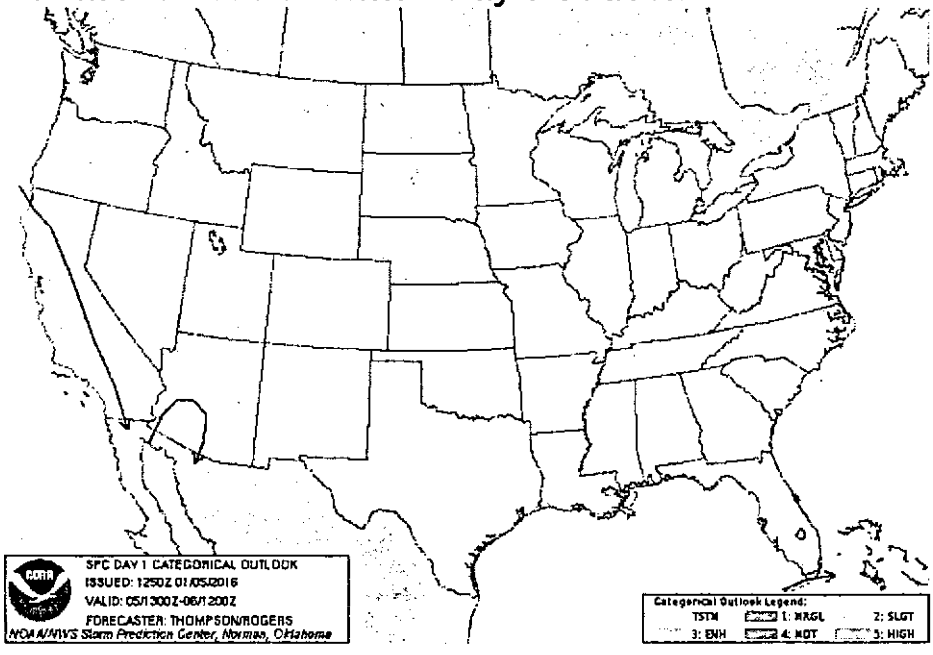


Published on: 01/05/2016 at 5:10AM

Northern Indiana



Storm Prediction Center – Day 1 Outlook



TV/RADIO CLIPS

Flint Water Advisory Task Force speaks for first time

- WJRT-TV 12 in Flint, January 4, 2016
  http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=4b889484-6013-4380-827d-dc528d723dd9

Water shutoffs continue in Flint, Family suffers due to bad water

WNEM-TV 5 in Flint, January 4, 2016

http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=e91aa10a-58d9-4cef-a3e3-07729d9ee7df

City looking for help from president

WJRT-TV 12 in Flint, January 4, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=9a36a4a2-71c0-43ef-a581-f9696a80026d

SOCIAL MEDIA

Twitter

Flint Water Study @flintwaterstudy
Hint: The answer is 'Yes' twitter.com/flintjournal/s…

Matthew Elliot @matttbastard
Essential #FlintWaterCrisis round-up, especially for those not in the proverbial 'know'. blog.seattlepi.com/videoblogging/...

Facebook

The Rachel Maddow Show
14 hrs ·
Rachel Maddow is back in the hosting seat tonight!
Tonight we'll get the latest as the Flint mayor's declaration of emergency heads to Governor Snyder's office.
In case you missed it over the holidays, the previous update in the Flint water story was that Governor Snyder apologized for the crisis and announced the resignation of the state's environmental chief. http://on.msnbc.com/1PcanXO

Audrey Mitten
10 mins ·
If you were compelled by "Making a Murderer" on Netflix, you'll be fascinated by "Making Flint's Poisoned Water and Looking the Other Way" by the State of Michigan.

A must see/read.
Quite the chain of events, but not yet a Federal emergency.
theguardian.com/us-news/2015/dec/30/michigan-governer-rick-s...

Theo White
4 hrs ·
You have heard the news. Even still, watch this video. Just at least the first three minutes. After you start its hard to stop.
Then ask yourself a few questions.
1. Did I vote in last year's Election that got Rick Snyder re-elected?
2. (If No) Do I feel like a complete idiot for not using my valuable vote to keep this guy from destroying the city of Flint as well as the rest of our state?
3. (If Yes) Who did I vote for again?
4. (If Yes, and you voted Snyder) What makes me so dumb? Is it that my parents raised me to vote biasedly on their own views, and I blindly helped elect a scumbag?
5. (If Yes, and you didn't vote Snyder) How could I have helped keep him from being elected in the first place when there are so many biased idiots who's biased political views come from their parents? Why aren't there more citizens voting?
6. How can I get this guy out of office

Jon Gerster
8 hrs ·
Let me just say that in this new year, 2016, is a Presidential Election year. This issue of Flint's contaminated water supply is a direct result of "you get who you vote for". Gov. Snyder, a republican is where the buck stops. He is the one who appointed the special manger to take over Flint's government from the officials those very people elected. Shame on the republicans! Remember - you get who you vote for!!! Poor Flint!
freep.com/story/news/local/michigan/2016/01/04/board-declare...

ABC12: Your Trusted Source! WJRT-TV
13 hrs ·
There's disturbing information that three months after a campaign began to make free water filters available to fight lead in Flint, many homes still do not have them. #FlintWater

Andrew Heller
8 mins ·

Nice job, Bryn Mickle. Very succinctly put.
msnbc.com/rachel-maddow/watch/federal-probe-of-flint-water-f...

YouTube

Undrinkable: Flint Water Emergency – Published January 4, 2016

https://www.youtube.com/watch?v=TA53UEr2vaQ

Flint Water Crisis – Published January 2, 2016

https://youtu.be/mgDsnTTOg-k

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 10:13 AM
To: Baker, Zachary (MSP)
Subject: Flint request work

Hello –

Take a look at attachment 1 in the document Tom had sent to us. It was a draft used in a 2014 disaster declaration, but the information used there might be re-usable today, if the years are appropriate for the information you're finding. Do you have the impression that the info for the key variables are available for each year through ACS? One of our choices involves which year to use data for. 2010, or something more recent.

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 9:38 AM
To: Baker, Zachary (MSP)
Subject: RE: Flint request work

I had the same problem until I converted a smaller file into a printable version; then I was able to use the Adobe search feature successfully, but only on one converted section at a time. And when I tried making the entire document printable, there was another crash!
I'll be seeing what's in the city plan, so in the meantime, you can focus on getting info from the census/ACS site...

Thanks,
Mike

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 9:35 AM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint request work

Hey Mike,

I will start looking for this information. In the plan I am only able to search (Ctrl+F) when I only look one section at a time otherwise it crashes my browser.

Zach

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 9:18 AM
To: Baker, Zachary (MSP)
Subject: RE: Flint request work

Excellent. There is a set of standard census info that we need to start with, by pulling comparative figures on several variables at three scales: (1) the City of Flint, (2) the State of Michigan, and (3) the United States as a whole. I believe the official 2010 population figures would be best in most cases (i.e. no estimates or projections), but several key variables will be part of the social information collected by ACS, which as I recall is in off-years now, such as 2012. So we should ideally also have population figures from that same ACS year/source. The key starting variables are: (1) persons below poverty level, percentage, (2) median household income, (3) percent with disabilities, (4) percent unemployed (might use an alternative source of info for this, but it's worth seeing what ACS has on it).

I haven't been able to search (Ctrl + F) the Flint plan without getting internet errors, for some reason, so I'm wondering whether you are able to do so. Some of this info might already be presented in that plan.

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road

Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 9:06 AM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint request work

Hey Mike,

Here is a link to the master plan: http://www.imagineflint.com/Documents.aspx

I do have some experience finding and pulling census info from the census website. As long as I know what demographics to look for I should be able to find it without problem.

Zach Baker, PEM
State Planner
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Phone: 517-333-5045

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 9:30 AM
To: Baker, Zachary (MSP)
Subject: RE: Flint request work

I found a crude way to digitally search the Flint plan. For example, poverty info is in there on page 21. However, since we need to make comparisons from the same source/year, the Flint plan might mainly be useful just to verify some of the info found in census/ACS.

I believe that Flint may have annual ACS info available for most of the needed variables. Larger cities like that are supposed to have annual surveys in ACS. So if you are able to verify this, then we can decide whether to use 2010 or to choose a later year.

Thanks,
Mike

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 9:06 AM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint request work

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Michigan State Police
4000 Collins Road
Lansing, MI 48910
Phone: 517-333-5045

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 8:57 AM
To: Baker, Zachary (MSP)
Subject: Flint request work

Hello –

The first item involves the latest master plan for the City of Flint. My information states that this is an Oct. 2013 document called the "Imagine Flint Master Plan." Could you find a copy of this online and send me its link?

Are you experienced with finding/pulling census info from the official census website?

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 9:06 AM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint request work

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State Planner
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4000 Collins Road
Lansing, MI 48910
Phone: 517-333-5045

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 8:57 AM
To: Baker, Zachary (MSP)
Subject: Flint request work

Hello –

The first item involves the latest master plan for the City of Flint. My information states that this is an Oct. 2013 document called the "Imagine Flint Master Plan." Could you find a copy of this online and send me its link?

Are you experienced with finding/pulling census info from the official census website?

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

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Sent: Tuesday, January 05, 2016 8:57 AM
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"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 5:01 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Monday meeting notes

I am 99% sure Flint's system only serves the City. Their "damage assessment" is supposed to identify exactly which pipes are affected. It would be worth looking into getting a map of their water system's service area.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Monday, January 04, 2016 4:57 PM
To: Weber, Thomas (MSP)
Cc: Baker, Zachary (MSP)
Subject: RE: Monday meeting notes

Sounds good.
I'm "pretty good" at putting together census-based descriptions. Have been doing it for at least 20 years...
Since Genesee County has declared an emergency now, do you know if the focus is still specifically and exclusively on the city of Flint? (Were there any adjacent areas that also shared the Flint water system, such as Flint Township?) That would be the first question I'd need answered.

Thanks,
Mike

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 4:51 PM
To: Sobocinski, Mike (MSP)
Cc: Baker, Zachary (MSP)
Subject: RE: Monday meeting notes

Glad you asked! While the Governor has not yet made the decision, it is virtually certain we'll be going to the feds with some sort of request for assistance, even if it's not through FEMA. So I think it would be well for us to get started on the demographic component, and it makes as much sense to use our past formats for declaration request letters as anything. Here's a copy of the one used for the SE MI flooding in '14. We can meet on this tomorrow if you'd like. I figured you two could work on this together.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division

Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Monday, January 04, 2016 4:46 PM
To: Weber, Thomas (MSP)
Subject: RE: Monday meeting notes

Ok. Let me know if there's any sort of document that will need to be compiled for a Flint declaration (e.g. something that includes descriptions of Flint's community need, vulnerable populations, etc.)

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 4:40 PM
To: Covey, Gabriel (MSP); McCarthy, Joyce (MSP); Kuzera, Michelle (MSP); Hollaender, Henrik (MSP); Hardy, Raquel (MSP); Eickholt, Jay (MSP); Mark, Kevin (MSP); McQueen, Nate (MSP); Martinez, Mark (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
Subject: Monday meeting notes

Nothing major this morning at the Monday meeting. The following points came up:

- Keep in mind your contributions to points within the Strategic Plan and report out on them when possible.
- The Flint County Commission met this morning and declared emergency. A request for the Governor to declare emergency was also made.
- The move is on track. Labels were passed out to everyone today. Boxes were also delivered.
- The Terrorism Tabletop was moved to January 22.
- Cap/we will be heavily involved in the response to assist Flint.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 4:51 PM
To: Sobocinski, Mike (MSP)
Cc: Baker, Zachary (MSP)
Subject: RE: Monday meeting notes
Attachments: Declaration Request Cover Letter Template-1.docx; Major Disaster Request for August 11 2014 SE Michigan Flooding - Review Draft September 13 2014.doc

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REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

(Date of Request)

The Honorable //// //////
President of the United States
The White House
Washington, D. C.

Through: Regional Administrator [NAME]
FEMA Region _____
City, State, Zip Code

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § [Major Disaster citation (206.36), Emergency citation (206.35)], I request that you declare a [major disaster or emergency] for the ***(name of the State or Indian tribal government)*** as a result of ***(name type of incident and incident date as identified in the declaration request form).***

[The following information is required for ALL requests. Provide additional information that is not contained in the form. If requested information is included in the form, it is not necessary to repeat in the cover letter.]

Describe deaths and/or injuries associated with the event.

Describe voluntary agency assistance provided to the community in anticipation of or as a result of the event. (including but not limited to activities taken by the American Red Cross (ARC), Salvation Army, Southern Baptists, and Voluntary Organizations Active in Disaster; voluntary agency and/or municipal shelter information, including the number of shelters open, the peak population, total number of overnight stays, and when the shelters closed; number of mental health contacts made by voluntary agencies; number of ARC cases open and closed; number of clean up kits provided; number of meals served; number of fixed and/or mobile feeding sites; level of ARC operation (I-V); and any other type of assistance that was provided by voluntary organizations).

Indicate whether a State of Emergency has been declared, when and to what areas are included in the declaration. Indicate if affected jurisdictions have also declared states of emergency.

Provide a description of damage as a result of the event (such as the impact the event has had on the affected area and population; disruption of normal community functions and services, including damage to any critical facilities that have been rendered non-operational by the event and extended or widespread loss of power or water; emergency conditions that may be present,

health and safety hazards, status of repairs, and estimated completion date(s), if known.

Provide information on PDA findings and how and where they were conducted, including accessibility concerns, if additional space needed from the form.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this disaster:

Describe what has been done to respond to the disaster, including actions pending or taken by the State, local, or Indian tribal governments. Describe any State, local or Indian tribal government Individual Assistance programs.

Provide the disaster history of the State or Indian Tribal government over the past 12 months, including Stafford Act declarations and declarations by the Governor or Tribal Chief Executive and the extent to which the State or Indian tribal government has expended its own funds; list areas that have sustained damage from this event and other disasters in the previous 12 months; and include any other pertinent factors that would have a bearing on the State or Indian tribal government's ability to respond, such as economy of the area, terrain, inaccessibility, or capacity of voluntary organizations active in disaster.

[The following information is required for requests for Individual Assistance.]

Provide detailed information on the impacted population, including percentage of insurance, percentage below poverty level, median household income, percentage of elderly, percentage of disabled, pre-disaster unemployment rates, and any other special populations. Include a comparison of the percentage of the State, local, or Indian tribal government averages and national averages.

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
National Average	%	$	%	%	
State/Tribe Average	%	$	%	%	
List Jurisdictions Requested	%	$	%	%	

* *Indicate source of data cited*

[The following information is required for requests for Public Assistance.]

Provide a brief analysis of infrastructure damage by category, including the cost estimates for each category and the percentage of the total eligible Public Assistance cost estimate. Include in your discussion significant impacts to specific areas. If any local communities have sustained significant damage and

have incurred extremely high per capita impacts, provide that information, especially if the localized damage is in the tens or even hundreds of dollars per capita.

Discuss level of insurance coverage.

If applicable, include estimates for emergency dune restoration on non-engineered beaches that may be eligible for the placement of temporary berms in order to eliminate or lesson the threat of additional damage from a five year event. Identify all damage associated with engineered beach projects and indicate whether or not the damage associated with those beaches is included in the PDA information. Note that beach projects under the authority of the United States Army Corps of Engineers, are not eligible for Public Assistance, as they are under the authority of another federal agency, therefore costs associated with such projects should not be included in the PDA information. Such costs should be identified in Enclosure C.

Insert concluding statement.

Sincerely,

//////////
(Governor or Tribal Chief Executive)

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13
A: Individual Assistance
B: Public Assistance
C: Requirements for Other Federal Agency Programs
D: Historic and Current Snowfall Data

ENCLOSURE A TO MAJOR DISASTER REQUEST

Estimated Requirements for Individual Assistance
under the Stafford Act

Enclose Individual Assistance Joint Preliminary Damage Assessment Cost Estimate Worksheets

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ENCLOSURE B TO MAJOR DISASTER REQUEST

Estimated Stafford Act Requirements for Public Assistance

Enclose Public Assistance Preliminary Damage Assessment Cost Estimate Worksheet

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ENCLOSURE C TO MAJOR DISASTER REQUEST

Estimated Assistance from Other Federal Agency Programs

County/ Tribal Area	SBA Home Loans	SBA Business Loans	FSA Loans	NRCS	FHWA	USACE	BIA	OTHER
Totals								

Note: Provide numbers and amounts, as appropriate.

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ENCLOSURE D TO MAJOR DISASTER REQUEST

Historic and Current Snowfall Data

County / Tribal Area	NWS Snowfall (inches)	Period (# of days)	NCDC Record Snowfall Data		Evaluation				
			Amount	Period	Record Exceeded	Near Record	Contiguous County	Core County	Comments

Note: Provide National Weather Service statement.

September ??, 2014

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C. 20500

Through: Ms. Janet Odeshoo, Acting Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Michigan as a result of severe flash flooding that struck the counties of Macomb, Oakland, and Wayne, including metropolitan Detroit, on August 11-12, 2014.

The flash flooding was caused by a low pressure storm system that moved across southeast Lower Michigan in the early evening hours of August 11. This storm system produced historically heavy rainfall – four to six inches in less than four hours in parts of Macomb, Oakland, and Wayne counties – resulting in severe flash flooding and widespread sewer back-ups in many communities. Officials from the National Weather Service indicate that existing one-day rainfall totals were broken or nearly broken in several areas. For example, at 4.57 inches of rainfall, metropolitan Detroit experienced its second highest rainfall total ever recorded in a single day, falling just short of the all-time record of 4.74 inches set back on July 31, 1925.

According to the National Weather Service, the City of Dearborn in Wayne County received the highest rainfall total for the storm, 6.31 inches, during a 12-hour period. In the City of Southfield in Oakland County, 6.25 inches of rainfall occurred during a 12-hour period, while in the City of Berkley, also in Oakland County, 6.00 inches of rainfall occurred in a 9-hour period. In the City of Troy in Oakland County, the rainfall total for the storm measured 5.46 inches. In the City of Warren in Macomb County, particularly hard-hit in this flood disaster, 5.20 inches of rainfall was recorded in a 13-hour period. Three other Macomb County communities (i.e., the cities of Fraser and Rochester, and Shelby Township) exceeded four inches of rainfall for the storm. In Wayne County, a total of 14 communities, including the aforementioned City of Dearborn, received four inches or more of rainfall during the storm. The City of Dearborn Heights, immediately adjacent to the City of Dearborn, was also particularly hard-hit, at 4.97 inches of rainfall over a 12-hour period. A summation of the rainfall totals for these and other affected local communities can be found at Attachment 3 at the end of this letter.

Across the area, the heavy rainfall overwhelmed creeks and tributaries, municipal and county storm drains, and pumping stations for area roadways; caused flash flooding and sewer back-ups that flooded thousands of homes and businesses; stranded hundreds of motorists in up to head-deep water; and forced the closure of major sections of area interstate and state highways for several days. The National Weather Service reported that at least three bodies of water in the impacted counties flooded in the hours and days immediately after the August 11 heavy rainfall: the lower Rouge River in the City of Dearborn in Wayne County; Ecorse Creek in

the City of Dearborn Heights, also in Wayne County; and the Clinton River in Clinton Township and the City of Sterling Heights, in Macomb County. In fact, the Clinton River set an all-time record with a crest of 20.8 feet on August 12, eclipsing the previous record crest of 20.0 feet set 67 years ago on April 5, 1947.

Damage to flooded homes and businesses was particularly severe. The damage typically resulted from a few inches to several feet of water in basements, to water above the first finished floor causing significant damage to foundations and other structural elements. In addition, water on the first finished floor damaged interior finishes and personal property. Many basements incurred substantial damage to the foundation walls and footings, to electrical and mechanical systems, to finished living spaces, and to personal property. A significant number of the homes that incurred substantial basement damage had finished essential interior living spaces in the basement, such as an occupied bedroom, a bathroom, or in some cases the home's only kitchen and food storage area.

Any discussion of damage related to this flood disaster must be coupled at this point with a corresponding discussion related to the uniform lack of insurance for flood hazards in the affected area. Our initial assessments, confirmed later by federal damage survey teams, show that more than 80-percent of the affected households do not have flood insurance or sewer back-up insurance policies in place that would have covered the damage most commonly incurred in this disaster, that being: structural damage to walls and foundations; damage to electrical and mechanical systems; damage to home furnishings, wall treatments, and flooring; loss of appliances such as washers and dryers; and loss of televisions, computers, clothing, and other personal belongings. Even if these affected households had full-coverage flood insurance policies in place, the losses they incurred are far greater, on average, than the maximum coverage provided by flood insurance policies under the National Flood Insurance Program.

Additionally, flood damage caused by sewer back-ups into basements is not covered under a standard flood insurance policy. Rather, a separate sewer back-up rider must be purchased (where available) as part of a homeowner's home insurance policy. Unfortunately, damage surveys indicate that more than 80-percent of households in the affected area do not have such coverage and therefore are left to absorb whatever losses they incurred out-of-pocket. For most affected households, sewer back-ups resulting from the historic rainfall caused the majority of the flood damage to their homes. Although some households may potentially be eligible for limited financial compensation for sewer back-up damage under Michigan's Governmental Liability of Negligence Act (1964 Public Act 170, as amended, MCL 691.1401 to 691.1419), the amount received, in most cases, will not begin to cover the entirety of their losses.

Damage surveys indicated that many homes are in areas that have experienced repetitive flooding, and this factor coupled with the age and condition of the dwellings means that many flooded homes may have incurred damage that meets or exceeds federal and state substantial damage criteria. An instructive example of this was found in the City of Dearborn Heights in Wayne County, where a damage survey conducted by a team of Michigan Department of Environmental Quality and Federal Emergency Management Agency flood specialists identified an area of older homes particularly hard-hit by flooding of Ecorse Creek

caused by the unusually heavy rainfall. This team identified at least 84 damaged homes in one neighborhood that exceed federal and state substantial damage criteria for flood-damaged structures, meaning that these homes will likely have to be demolished or entirely rebuilt to meet Michigan Construction Code and floodplain protection provisions. Unfortunately, the percentage of households in this area with flood insurance is low (just slightly over 40-percent), and the area was characterized as lower income where most residents are older and have limited financial resources. Although this was just one neighborhood in one community, this situation is not uncommon throughout the three-county area. Without significant assistance from the federal government, these and other households like them will experience severe financial hardship for years as they attempt to recover from this flood disaster.

Although numerous local jurisdictions in the three-county area were severely impacted by the flooding and over 118,000 homes and businesses were damaged or affected in some significant way, damages were particularly concentrated in the cities of Warren, Sterling Heights, and Centerline, and Clinton Township in Macomb County; the cities of Oak Park, Royal Oak, and Southfield in Oakland County; and the cities of Dearborn, Dearborn Heights, and Detroit in Wayne County. These areas had particularly notable concentrations of public and/or private damage. For example, in the City of Warren in Macomb County, nearly 23,000 homes incurred damage, representing approximately 40-percent of the city's housing stock. In the City of Dearborn, over 7,600 homes incurred damage, representing approximately 20-percent of that city's nearly 38,000 housing units. The City of Detroit suffered damage to 7-percent of its housing stock. Similar concentrations of damage were experienced in the other aforementioned communities.

The concentration of damage within these small geographic areas magnifies the impact of this flood disaster considerably on the affected communities, and on the three counties as a whole. The collective economic toll to these communities and the region is astronomical. Assessments of private damage conducted by county and local assessors estimated that total residential and commercial flood damage exceeded $1.1 billion in the three-county impact area. Unfortunately, as I previously pointed out, these areas of concentrated damage also have some of the highest concentrations of residents who do not have flood insurance or sewer back-up coverage on their homeowner's insurance policy. Across the three-county impact area, damage surveys indicated that less than 20-percent of flood-damaged homes were covered by flood insurance and sewer back-up insurance. In some of the communities, the percentage of coverage is lower than 20-percent.

Equally troubling, the socio-economic profile of the affected counties and local communities found at Attachment 1 shows these areas are also some of the most economically-distressed in the region and therefore least able to recover from this flood disaster on their own. For example, in Wayne County, where over 23-percent of residents live below the federal poverty level, in the hard-hit cities of Dearborn, Detroit, Highland Park, and Inkster, the poverty levels all exceed 25-percent. In the City of Highland Park, the poverty level is closer to 50-percent. Three significantly affected Wayne County communities (i.e., the cities of Detroit, Highland Park, and Inkster) have median household incomes (at $26,955, $20,298, and $28,095, respectively) that are close to one-half of the state average of $48,471. In Macomb County, the City of Warren's poverty level exceeds 17-percent and its median household income, at $44,982,

also lags nearly 8-percent behind the state average. The cities of Dearborn and Dearborn Heights in Wayne County both have poverty levels exceeding the state average, and median household incomes that are less than the state average. The cities of Madison Heights and Oak Park in Oakland County also experience those same conditions. Unemployment in many of the affected communities is also high. For example, all three counties have unemployment rates (at 9.6-percent, 8.4-percent, and 11.1-percent, respectively) that exceed the state average of 7.7-percent. (Unfortunately, Michigan's unemployment rate remains one of the highest in the nation, and well-above the national average of 6.2-percent.) The City of Highland Park has an unemployment rate that exceeds 23-percent, while the City of Detroit's rate exceeds 17-percent. As the table at Attachment 1 shows, several other communities particularly hard-hit by the flooding also have unemployment rates that exceed double-digits.

By far the most tragic aspect of this flood disaster is that two confirmed deaths have been directly attributed to the flooding conditions, despite the generally-excellent efforts of the affected local jurisdictions and the Michigan State Police in preventing access to flooded areas and in disseminating warnings and emergency public information about the flooding. The warnings and emergency public information were largely followed; however, the rapidly-rising flood waters trapped numerous individuals in their vehicles or home basements, which directly contributed to the two deaths. In addition, flood warnings and emergency public information developed and disseminated by the National Weather Service office in Detroit also contributed positively to this public safety effort, although the historic nature and rapid rise of the flood waters caught even them off-guard.

In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on August 13, 2014, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Disaster for the counties of Macomb, Oakland, and Wayne, including the local political subdivisions located therein, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned counties and local political subdivisions in responding to and recovering from this disaster. I must note that numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals; assessing the damage and impacts to affected state facilities, infrastructure, and services under their stewardship; and taking appropriate actions to keep those affected facilities, infrastructure, and services operational.

The response by our partner voluntary relief organizations to the severe flooding has been both timely and appropriate. From the outset, the American Red Cross, the Michigan Voluntary Organizations Active in Disasters, and volunteers arranged through the Michigan Community Service Commission have actively provided relief assistance to those in need in the affected areas. Activities undertaken by these organizations during the flood response and early phases of recovery included but were not limited to:

- Providing food and water to emergency responders and flood survivors;

- Establishing and operating emergency shelters for flood survivors left homeless or stranded due to flood conditions;
- Establishing and operating 10 "Multi-Agency Resource Centers" (MARCs) in several communities;
- Distributing personal care items and clean-up kits to flood survivors;
- Providing basic health assessments and first aid services for flood survivors in emergency shelters;
- Providing direct recovery assistance in the form of in-kind materials and/or purchase vouchers for immediate needs items and certain essential household items;
- Providing flood survivors with counseling services and/or referrals to other community-based behavioral health service providers; and
- Assisting elderly and other functional needs individuals in cleaning up their flood-damaged homes, including the removal of flood-soaked building materials, furniture, appliances, and other damaged items.

In some jurisdictions, Community Emergency Response Teams (CERTs) and other community-based volunteer organizations (e.g., local civic/service clubs, church groups, etc.) provided supplemental assistance with response and/or recovery efforts by conducting damage and impact assessments; aiding in debris removal and clearance from public and private property; assisting homeowners in cleaning-up, restoring, and repairing their flood-damaged homes; and helping affected functional needs individuals in coping with their specific individual circumstances and directing them to appropriate resources to help facilitate or aid their recovery.

Despite the valiant efforts of these voluntary organizations and volunteers, they have not been enough to meet all of the recovery needs of all affected individuals and families. As a result, significant unmet needs still exist in the areas of: debris removal on private property; housing repair and restoration; replacement of essential household items; mold and other contaminant abatement; and temporary housing assistance. If this request for federal disaster assistance is granted, these needs could most appropriately be met through several federal Individual Assistance programs, including implementation of the U.S. Small Business Administration disaster loan program. (A separate request for a Small Business Administration Disaster Declaration will be forwarded to their regional office in Atlanta, Georgia, to activate the disaster loan program, in the event my assistance request contained in this letter is not granted.)

The affected local governments also took appropriate action under state law in response to this flood disaster. Pursuant to the Emergency Management Act, No. 390 of the Michigan Public Acts of 1976, as amended, Michigan Compiled Laws (MCL) 30.410 (b), a total of three counties and 19 local political subdivisions declared a "state of emergency" in response to the severe flooding affecting their jurisdiction. Those counties and local political subdivisions included:

- Wayne County on August 12, 2014;
- The City of Berkley on August 12, 2014;
- The City of Ferndale on August 12, 2014;
- The City of Hazel Park on August 12, 2014;
- The City of Huntington Woods on August 12, 2014;
- The City of Madison Heights on August 12, 2014;
- The City of Troy on August 12, 2014;
- The City of Royal Oak on August 12, 2014;
- Royal Oak Township on August 12, 2014;
- The City of Oak Park on August 12, 2014;
- The City of Warren on August 12, 2014
- Oakland County on August 13, 2014;
- Macomb County on August 13, 2014;
- The City of Dearborn on August 13, 2014;
- The City of Center Line on August 13, 2014;
- The City of Roseville on August 13, 2014;
- The City of Highland Park on August 13, 2014;
- The City of Southfield on August 13, 2014;
- Canton Township on August 15, 2014;
- The City of St. Clair Shores on August 15, 2014;
- Clinton Township on August 15, 2014; and
- The City of Dearborn Heights on August 18, 2014.

These jurisdictions implemented the response and recovery elements of their Emergency Operations Plans in a timely manner, in accordance with state law and associated administrative procedure. They also took a number of other appropriate actions to cope with the situation, including but not limited to: marshaling required resources; issuing emergency warnings and public information; taking emergency protective measures to preserve life and/or property; clearing roadways and other public spaces of debris; and limiting access to flooded areas. Generally speaking, the affected local governments took all actions required of them by state law and procedure, and dictated by incident circumstances. Their response was outstanding, given the unusually rapid and severe nature of the flooding and the significant threats to public health and safety created by the tremendous quantities of water-laden and contaminated debris collected from damaged homes and businesses. Refer to Attachment 3, "Significant State and Local Response and Recovery Actions," for more detailed information pertaining to specific response and recovery actions taken by the State and the affected local jurisdictions.

Unfortunately, this flood disaster is just the latest in a string of major incidents that have occurred in Michigan. Over the past 12 months, Michigan has experienced three incidents (including this flood disaster) which resulted in the declaration of a disaster or emergency by me under the Emergency Management Act, No. 390 of the Public Acts of 1976, as amended. The other incidents included an April 17, 2014 declaration of emergency for a widespread underground deep freeze affecting nine counties in Michigan's Upper Peninsula and extreme

northern Lower Peninsula, and an April 17, 2014 declaration of disaster for severe flooding in eight central Lower Michigan counties. Collectively, a total of 20 counties have been included in these declarations over the past 12 months. (Going back four months further, federal disaster 4121-DR-MI, declared in April 2013, involved a total of 16 counties – many of which were also impacted by the two incidents described above.) These incidents have stretched Michigan's relief and recovery resources to their limits. While we were fortunate to receive federal funding for disaster 4121-DR-MI, the other two state-declared incidents above did not qualify for federal relief assistance under the Stafford Act because incident response and recover costs did not meet the established per capita threshold levels required for Public Assistance funding consideration. As a result, the State and the affected local governments have been forced to absorb these costs, reducing our collective ability to fund other essential programs and services in the process.

Although Michigan has a Disaster and Emergency Contingency Fund under 1976 Act No. 390 for counties and local political subdivisions for partial reimbursement of eligible public damage and response costs, it has limited funding which must be replenished every budget cycle by the Michigan Legislature. By state law, these funds can only be provided to eligible public entities and certain volunteer organizations supporting incident response operations. Funds cannot be used to reimburse individual citizens for damages to their home, business, or property, and the state currently does not have another funding mechanism in place dedicated to the provision of post-incident assistance for all individuals and families with unmet needs. Although there are relief programs available through the Michigan Department of Human Services, eligibility is generally limited to low and moderate income individuals or households that incur extraordinary incident-related expenses. To meet the needs of most of our disaster survivors who are not insured or are under-insured against natural hazards such as severe winds or flooding, we must rely upon supplemental relief assistance provided by the federal government and/or voluntary organizations. As I previously indicated, our volunteer relief partners have done an exemplary job in addressing many of the needs stemming from this flood disaster. However, the scope and magnitude of this incident is beyond even their collective capability to provide necessary recovery services. Federal relief assistance is definitely needed to address the unmet needs of those most severely affected by the flooding.

In addition to the aforementioned gubernatorially-declared incidents, the affected local emergency management program jurisdictions have experienced numerous smaller-scale incidents for which they did not seek a gubernatorial declaration or state assistance but which had significant local impacts to residents, businesses, public facilities and infrastructure, and essential services. Individually and collectively, these incidents created significant burdens for the affected local governments, requiring the expenditure of resources (physical and financial) which in many cases had to be diverted from other community programs and services.

Recognizing their responsibility to make their community as disaster-resilient as possible, be advised that all of the affected local jurisdictions that are the subject of this request either have in place, or are actively working toward developing or updating, a current Disaster Mitigation Act of 2000-compliant hazard mitigation plan. Similarly, the State of Michigan has also made a strong commitment to mitigate hazards – particularly flooding hazards – and has met applicable federal standards: the Michigan Hazard Mitigation Plan was approved by FEMA

on April 23, 2014, as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000. If appropriate funding can be secured, this disaster will provide an opportunity to implement hazard mitigation projects identified in these plans, in order to reduce the impact of future disasters of this nature.

On August 22, 2014, I requested a joint federal, state, and local Preliminary Damage Assessment for both Individual Assistance and Public Assistance to survey the affected areas in Macomb, Oakland, and Wayne counties. That survey was conducted in two phases over a two and one-half week period, beginning on August 26 and concluding on September 9, 2014. The Preliminary Damage Assessment was conducted by teams consisting of representatives from the Federal Emergency Management Agency, the Michigan State Police Emergency Management and Homeland Security Division, and the affected local jurisdictions. The U. S. Small Business Administration participated in the Individual Assistance phase of the Preliminary Damage Assessment. In addition, representatives of the Michigan Department of Transportation participated in the Public Assistance phase of the Preliminary Damage Assessment in those jurisdictions in which damage occurred to public roadways and transportation infrastructure.

The Individual Assistance Preliminary Damage Assessment was conducted from August 26 through August 29, 2014, in the three affected counties. Federal Emergency Management Agency representatives met with state and local officials at the Double Tree Inn in Dearborn on the morning of August 26 for the Preliminary Damage Assessment organizational/kick-off meeting. Field evaluations began at the conclusion of that meeting, in the early afternoon of August 26. A total of six teams worked for the next four days to verify locally-reported damage and impact information related to homes and businesses affected by the flooding. The Individual Assistance Preliminary Damage Assessment identified a total of 243 homes that were verified as having been destroyed or that incurred major damage; 991 homes that incurred minor damage and 1,035 that were affected that may be eligible for federal assistance; 498 households that are potentially eligible for temporary housing funding; 1,640 households that are potentially eligible for housing repair assistance; one household that is potentially eligible for housing replacement assistance; and 1,871 households that are potentially eligible for "Other Needs Assistance" funding for essential household items and services.

This joint Preliminary Damage Assessment process confirmed three conditions related to the impacts on communities and individuals that must factor prominently in the analysis of this disaster, namely: the concentration of the most severe flood damage in a few communities; the lack of insurance to help offset the cost of recovering from this disaster; and the distressed economic status of many of the affected communities. (I have discussed each of these conditions in depth earlier in this letter. Supporting data related to those discussions can be found at Attachments 1 and 2.)

The second phase of the Preliminary Damage Assessment, for Public Assistance, consisted of four teams and was conducted from September 3 through September 9, 2014, also out of the Double Tree Inn in Dearborn. Teams consisted of representatives from the Federal Emergency Management Agency, the Michigan State Police Emergency Management and Homeland Security Division, the Michigan Department of Transportation, and the affected local jurisdictions that had reported debris removal, emergency protective measure, and public

facility and infrastructure damage costs (Public Assistance Categories A-G) related to the flooding.

The Public Assistance Preliminary Damage Assessment identified a total of $16,778,074 in eligible public damages and related costs – $7,007,477 in Wayne County, and $5,220,091 and $4,514,429 in Macomb and Oakland counties, respectively. An additional $36,078 in eligible state agency public damage costs was verified by the PDA teams. The vast majority of the public damage was for debris removal ($7,030,709) and damage to public buildings and equipment ($6,834,015), with these two damage categories representing 83-percent of the overall public damage total. Public utility damage and emergency protective measure costs were also significant, at $1,234,314 and $773,933, respectively. Those two categories represent 12-percent of the public damage. At $644,713, damage to roads and bridges constitutes 4-percent of the damage total.

The $16,778,074 statewide public damage figure represents a per capita loss of $1.70, well-exceeding the $1.39 per capita federal statewide threshold impact indicator for Public Assistance consideration. In addition, all three of the surveyed counties had per capita public damage losses that exceed the $3.50 per capita federal county-level threshold impact indicator for Public Assistance consideration. Macomb County's per capita loss, at $6.21, is close to double the federal threshold amount. Wayne County's per capita loss of $3.85 exceeds the federal threshold by 10-percent, while Oakland County's per capita loss of $3.75 exceeds the federal threshold by 7-percent.

Even though these counties have relatively large populations, the fact that their per capita losses exceed federal thresholds is indicative of the severity of the flooding. These jurisdictions do not have the financial resources to fully recover from this this flood disaster in a timely manner, or at all in some cases, without supplemental assistance from the federal government. The State of Michigan is able to provide limited financial assistance, in the form of cost-share participation for Individual Assistance, but does not have the funding to address these public damage losses in whole without supplemental federal assistance available through the Public Assistance program under the Stafford Act. By state law, Michigan's Disaster and Emergency Contingency Fund is capped at $4,500,000 and grants to individual jurisdictions cannot exceed $100,000. In all cases, this will not begin to cover the damages incurred by the affected counties in this flood disaster. More detailed impact and cost information related to the Preliminary Damage Assessment-verified public damages can be found at Enclosure B.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that supplemental federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected counties specified in this request, and activation of the Hazard Mitigation Grant Program for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively.

Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions." Maps, weather and flood charts, and damage photographs related to this disaster can be found at Attachment 3, "Supporting Maps, Charts, and Photographs."

I certify that for this major disaster, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Rick Snyder
Governor

Attachments and Enclosures:

Attachment 1: Demographic Profile of the Affected Counties and Selected Local Municipalities
Attachment 2: Significant State and Local Response and Recovery Actions
Attachment 3: Supporting Maps, Charts, and Photographs

Office of Management and Budget Form No. 1660-0009
Enclosure A: Estimated Requirements for Individual Assistance under the Stafford Act
Enclosure B: Estimated Requirements for Public Assistance under the Stafford Act
Enclosure C: Estimated Requirements for Other Federal Agency Programs
Enclosure D: (Not Applicable to this Request)

ATTACHMENT 1 TO MAJOR DISASTER REQUEST

Demographic Profile of the Affected Counties and Selected Local Municipalities

	Persons Below Poverty Level	Median Household Income	Percent Elderly (65+ years)	Percent Disabled	Percent Pre-Disaster Unemployment (July 2014)*
National Average	14.9%	$53,046	14.1%	12.0%	(SA) 6.2%
State Average	16.3%	$48,471	15.0%	13.5%	(SA) 7.7%
Macomb County	11.8%	$53,628	15.3%	13.1%	9.6%
Oakland County	9.9%	$65,637	14.6%	10.7%	8.4%
Wayne County	23.6%	$41,504	13.5%	15.8%	11.1%
Selected Municipalities:					
City of Allen Park (Wayne Co.)	8.0%	$56,647	17.2%	13.9%	4.8%
Clinton Township (Macomb Co.)	10.3%	$48,526	18.5%	15.2%	10.7%
City of Dearborn (Wayne Co.)	25.7%	$46,972	12.0%	12.4%	7.0%
City of Dearborn Heights (Wayne Co.)	16.9%	$44,684	16.1%	13.6%	6.5%
City of Detroit (Wayne Co.)	38.1%	$26,955	11.5%	19.2%	17.7%
City of Highland Park (Wayne Co.)	46.7%	$20,298	14.4%	27.6%	23.2%
City of Inkster (Wayne Co.)	35.7%	$28,095	11.3%	20.7%	12.5%
City of Madison Heights (Oakland Co.)	17.2%	$41,074	13.9%	15.6%	9.4%
City of Oak Park (Oakland Co.)	18.8%	$45,467	12.9%	16.5%	12.6%
City of Pontiac (Oakland Co.)	34.2%	$28,825	9.3%	17.0%	21.3%
City of Royal Oak (Oakland Co.)	7.3%	$62,453	13.1%	9.7%	5.2%
City of Southfield (Oakland Co.)	14.1%	$50,281	16.9%	15.0%	10.7%
City of Warren (Macomb Co.)	17.2%	$44,982	16.1%	15.6%	11.2%

Data Sources

Poverty Level: U.S. Census Bureau "QuickFacts" for Michigan, based on 2010 U.S. Census
Median Household Income: U.S. Census Bureau "QuickFacts" for Michigan, based on 2010 U.S. Census
Elderly: U.S. Census Bureau "QuickFacts" for Michigan, based on 2010 U.S. Census
Disabled: U.S. Census Bureau American Community Survey 2008-2012, Selected Social Characteristics in the U.S.
Unemployment: Michigan Department of Technology, Management and Budget – Labor Market Information; United States Department of Labor – Bureau of Labor Statistics

*Note: seasonally adjusted unemployment rates (marked by "SA") included where available; all other rates are seasonally unadjusted

ATTACHMENT 2 TO MAJOR DISASTER REQUEST

Significant State and Local Response and Recovery Actions

Search and Rescue. The rapid and severe flash flooding inundated numerous sections of interstate highways, major state highways, and local roadways in the metropolitan Detroit area in the hours immediately after the heavy rainfall on August 11, trapping hundreds of vehicles and motorists in the rising water. Many of these motorists sought refuge on the tops of their vehicles or on nearby high ground and had to be rescued by Michigan State Police officers, local law enforcement officers, and local fire department personnel. Michigan State Police resources were particularly valuable to the search and rescue efforts. State Police officers provided direct assistance to stranded motorists, checked the status of abandoned vehicles, and assisted local responders in blocking access to flooded roadways. In addition, divers with the Michigan State Police Underwater Recovery Unit checked more than one hundred submerged vehicles for occupants (fortunately, none were found), and the State Police Aviation Unit conducted aerial fly-overs of the impacted areas to search for additional stranded motorists and to take aerial photographic and video footage of the flood scenes. (Some of those photographs are included at Attachment 3 to provide visual documentation of the scope and magnitude of the flooding.)

Critical Facilities and Infrastructure Restoration. A number of critical facility and infrastructure emergency restoration measures were implemented in the affected counties and local communities during the response to the severe flooding. Particularly hard hit were the interstate highways and major state roadways in and around metropolitan Detroit, although roadways in all three counties were heavily impacted by the flooding. Many sections of the affected highways in and around metropolitan Detroit (including interstate highways I-75, I-94, I-96, and I-696, and Michigan highways M-10 and M-39) were inundated with flood water, trapping vehicles and motorists who could not make their way through the rapidly-deepening water. This forced the closure of these roadway sections – in some cases for several days – so that crews from the Michigan Department of Transportation, Michigan State Police, and county and local road and law enforcement agencies could oversee the removal of stranded (and generally inoperable) vehicles; assess the physical damage to and conduct safety checks of road, bridge, and related infrastructure; and initiate appropriate facility repair and restoration measures so that the closed sections of roadway could be safely reopened to the motoring public. (Refer to the road closure map found at Attachment 3.)

Repair and restoration measures included but were not limited to: conducting safety checks of and making temporary or permanent repairs to damaged structures; removing water, mud and debris from the roadway, bridges, and rights-of-way; stabilizing banks to prevent further debris flows and physical degradation; repairing signage and electronic signals, where required; repairing pumping equipment and associated facilities to ensure they are operational; and testing the repaired facilities to ensure they will allow for safe travel. In most cases, the dedicated work crews were able to reopen the damaged highway and roadway facilities within 36-48 hours. However, some of the damaged sections of roadway and bridge infrastructure will

require more extensive permanent repairs which will take several weeks to several months to complete once funding is available to finance the repairs.

Uninsured damage to other local public facilities and infrastructure was significant. For example, in the City of Warren in Macomb County, the Police Department and Fire Department incurred nearly $2.8 million in uninsured damage to their police and fire vehicles and associated equipment. This includes 10 fully-equipped Fire Department vehicles and six fully-equipped Police Department vehicles requiring replacement, and another seven fire vehicles and nine police vehicles requiring major repairs. The City of Sterling Heights, also in Macomb County, had nearly $620,000 in insured public utility damage, while in St. Clair Shores, uninsured damage to public buildings and associated equipment totaled $225,000. In the City of Royal Oak in Oakland County, uninsured damage to a local high school and middle school totaled $210,000. Uninsured damage to St. John Providence Hospital in the City of Southfield in Oakland County was $200,000. Uninsured damage to Oakwood Hospital in the City of Dearborn in Wayne County exceeded $1.8 million, while in the City of Highland Park, also in Wayne County, uninsured damage to public utilities, city hall, and the community recreation center totaled in excess of $450,000. In the City of Detroit in Wayne County, uninsured damage to public buildings and equipment was over $930,000, with the majority of that total coming from damage to Police Department facilities. These are just a few instructive examples from the nearly $16.8 million in public damage that occurred in Michigan. Although temporary repair and restoration measures have been put in place in most instances to bring the damaged facilities and infrastructure in the three counties to basic operational status, almost all will still require extensive permanent repairs and restoration to bring them back to their pre-flood condition. That will not occur in a timely or comprehensive manner without federal disaster relief assistance.

Emergency Sheltering and Mass Care. Although the rapid (and unanticipated), heavy rainfall did not allow for preventive evacuations of the public in impacted areas, emergency sheltering and mass care services were required in several instances. For example, on August 11, over 400 stranded motorists had to be temporarily sheltered for the evening in the City of Warren because roadway flooding prohibited further travel and resulted in many areas being inaccessible by vehicle. (Many of these individual's vehicles were deeply submerged in flood water and would not have been able to travel anyway because of the damage to their vehicle.) Along M-10 in Wayne County, approximately 50 motorists were stranded for an extended period from the evening of August 11 through August 13 due to the deep flood water in the walled-in, lower sections of the highway. During this time, the American Red Cross provided these stranded individuals with food, water, and comfort kits until the roadway could be de-watered and reopened for travel. For six days after the flooding occurred, a small number of displaced flood survivors were sheltered and cared for at an American Red Cross shelter in Garden City in Wayne County because their homes were inaccessible and/or incurred sufficient damage to render them unsafe for occupancy. Lastly, the American Red Cross also provided cots and comfort kits to nearly two-dozen displaced residents at two apartment complexes in the cities of Detroit (Wayne County) and Troy (Oakland County) so that the residents could use other (unaffected) vacant units within the respective complexes for shelter, rather than having to be moved elsewhere to a temporary shelter facility.

I must note that these emergency sheltering and mass care figures are somewhat misleading, as we received reports that many more flood survivors were temporarily displaced because of flood damage and/or inaccessibility but sought shelter with nearby family, friends, or in unaffected area hotels and motels. As it is next to impossible to track these "unofficial" evacuations with any accuracy, it is safe to say that the number of temporarily displaced flood survivors is much higher than reported through official channels.

The American Red Cross generally led the organized emergency sheltering and mass care effort, supported by the Michigan Department of Human Services, the Salvation Army, and other community-based relief organizations.

Flood Recovery for Individuals and Families. To assist affected flood survivors in recovering from this devastating disaster, the American Red Cross teamed with the Michigan Department of Human Services, Michigan 2-1-1, the Michigan Community Service Commission, and other community-based relief organizations to establish and operate "Multi-Agency Resource Centers" (MARCs) in 10 different locations over a six-day period in the latter-half of August. (A corresponding map found at Attachment 3 shows the initial locations of these MARCs.) The Multi-Agency Resource Centers, which were visited by several thousand flood survivors, provided a location and means to disseminate information regarding flood recovery and available flood recovery assistance. Through these centers, flood survivors could connect with or be referred to agencies and organizations that could assist them in their recovery – addressing everything from filing insurance claims, to replacing food and clothing, to making repairs to damaged homes. In addition, the Multi-Agency Resource Centers also provided a clearinghouse for the distribution of flood clean-up kits, personal comfort kits, and other recovery supplies to those requiring such items. To date, over 300 referrals for behavioral health assistance have been made through the centers and other involved agencies.

In addition to the Multi-Agency Resource Centers, flood survivors also have the opportunity to request flood recovery information and/or assistance via the Internet or Michigan 2-1-1 telephone system. These options were widely disseminated to the public and the media in various information releases. For the internet options, affected individuals could register directly with the Recovery Coordination Center (discussed in "Management of Emergency Volunteers" below) operated by Michigan Voluntary Organizations Active in Disasters, at www.bit.ly/floodcleanupsemi, or they could register via a specially-designated web page (www.michigan.gov/miflood) at the Michigan State Police Emergency Management and Homeland Security web site, which provides a link to the Recovery Coordination Center registration form. Either option results in a referral for recovery assistance to one of the Michigan Voluntary Organizations Active in Disasters member organizations providing assistance through the Recovery Coordination Center.

(I must note that, although the Multi-Agency Resource Centers, Michigan 2-1-1, and the aforementioned web sites have been tremendously successful to date in identifying and addressing both short- and longer-term recovery needs of the affected flood survivors in this disaster, it is clear that even these collective efforts are not going to be sufficient to identify and address all of the unmet needs of the thousands of flood survivors. This is particularly true with regard to home rebuilding and restoration efforts to ensure safe re-occupancy of damaged

structures. Because over 80-percent of the affected households in the three-county area did not have insurance in place to address the damage incurred in this flash flood, it is very likely that many will be forced to occupy their homes with potentially dangerous and/or unhealthy conditions present due to damaged electrical and mechanical systems and/or the presence of black mold or other contaminants on building materials not properly dried out and restored. Simply put, the long-term unmet needs of the flood survivors far outstrip the combined resources of the involved voluntary organizations, volunteers, and existing human service programs to remedy those needs. Clearly, federal disaster relief assistance is required to enable these flood survivors to fully recover from this devastating flood and allow them to make their dwellings safe and sanitary for re-occupancy.)

Without significant relief assistance from the federal government, these individuals will not have the resources necessary to fully repair and restore their damaged homes and mechanical systems, ensure their homes are free of mold and other health hazards, and replace damaged essential household items such as appliances, clothing, food, medications, and furniture and bedding. Without federal relief assistance, it is an almost certainty that many individuals will continue to struggle to recover and be forced to live in unhealthy conditions due to mold, contact with contaminated materials, and substandard (and likely unsafe) mechanical systems that they could not afford to have properly repaired by licensed professionals.

Management of Emergency Volunteers. To date, hundreds of emergency volunteers have been mobilized through the collective efforts of the American Red Cross, Michigan Voluntary Organizations Active in Disasters, Michigan Community Service Commission, Michigan Department of Human Services, local and state emergency management offices, and community-based organizations, to assist in the recovery from this flood disaster. In fact, volunteers have been and continue to be the lifeblood of the flood recovery effort. The aforementioned agencies and organizations have done a tremendous job in managing these volunteer resources and ensuring their timely and effective use. As I previously indicated, several Multi-Agency Resource Centers have been established and successfully operated in the affected counties to allow for the distribution of clean-up and personal comfort kits, and to facilitate the connection of those in need with the agencies and organizations that can provide recovery and relief information and/or assistance.

Central to the disaster volunteer management effort has been the establishment of a Recovery Coordination Center (RCC) to provide a means to coordinate the efforts of organizations that provide volunteer assistance to flood survivors needing help in repairing and restoring their home. The majority of the volunteers providing assistance are working under the framework of Michigan Voluntary Organizations Active in Disasters, and in coordination with state and local emergency management agencies, Michigan 2-1-1, the American Red Cross, the Michigan Department of Human Services, and other community-based organizations. The Recovery Coordination Center helps identify flood survivors requiring recovery assistance and determines the nature and scope of their recovery needs. The center provides ongoing case management for individual recovery and rebuilding/restoration efforts, ensuring that no one "falls through the cracks" and does not receive the assistance they need. Affected individuals are identified and referred to the Recovery Coordination Center by Michigan 2-1-1, local and state emergency management offices, Michigan Department of Human Services county offices,

the Michigan Community Service Commission, churches and other faith-based organizations, or by involved volunteers themselves. Once a flood victim is registered with the Recovery Coordination Center, their recovery needs are referred to the appropriate agency or volunteer organization for follow-up action. Through the center, voluntary organizations can also track their recovery efforts, thus ensuring an accurate accounting of the volunteer hours spent with each flood victim. Currently, over 4,000 homeowners have requested clean-up and restoration assistance through the Recovery Coordination Center. To date, over 250 homes have been completed using volunteers coordinated through the center.

However, as I indicated earlier, even with these outstanding volunteer efforts in place the collective capabilities of volunteers can only go so far in meeting the more difficult long-term recovery needs aimed at ensuring safe and sanitary conditions in flood-damaged homes. Because of the lack of adequate insurance (less than one in five households was adequately insured) to help pay for potentially-expensive repair and restoration activities required to make home structural elements and mechanical systems safe and functional, and to fully-remove the presence of black mold and other contaminants in flood-damaged building materials, it is essential that federal disaster relief assistance be provided. Absent this assistance, affected flood survivors will, in many cases, be forced to live in potentially-dangerous and/or unsanitary conditions because they do not have the financial resources necessary to fully restore their dwellings to pre-flood condition in a timely manner – or at all.

Debris Removal to Protect Public Health and Safety. Debris management was a critically important recovery issue in the days and weeks immediately following this flood disaster. Throughout the affected counties and communities, extensive and rapid debris operations were required to clear and remove flood-damaged building materials and personal property from curbsides and roadway rights-of-way in residential and commercial areas in order to protect public health and safety and enable the continuing use of adjacent roadways, sidewalks, and fire hydrants. The wet, heavy, contaminated flood debris from tens-of-thousands of flood-damaged homes and businesses, coupled with the hot and humid weather conditions that occurred in the days that immediately followed the flood disaster, set the stage for potentially-dangerous and unsanitary conditions in these densely-populated and heavily-developed urban areas. Because of the very real potential for a public health emergency, it was necessary for the affected local communities to muster all of the private and public debris clearance and removal resources they could to ensure rapid and environmentally-compliant removal and disposal of this debris.

In that regard, the affected local jurisdictions did an exemplary job in rapidly managing this difficult and potentially life-threatening recovery issue. With the assistance of various state agencies working out of the State Emergency Operations Center, the local jurisdictions were able to identify sufficient resources to address their debris removal and disposal needs in a rapid and environmentally-compliant manner. All of the affected local communities effectively worked with the Michigan Department of Environmental Quality to obtain required emergency waivers for temporary debris storage and transfer centers, and for emergency transportation of flood debris to approved landfill facilities. These debris removal efforts, however, came at a collective $7 million cost to the affected local jurisdictions in the three counties – a cost which

these jurisdictions are not in a position to bear without significant cuts to other essential programs and services.

Emergency Public Information. During the first hours and days after the flash flooding occurred, the affected local jurisdictions and several Michigan state agencies undertook a comprehensive emergency public information campaign to warn residents of the health and safety risks posed by the flooding and flood-related damage, and to provide updates on recovery issues and concerns. Of particular concern initially were the health and safety risks associated with structural damage, damaged electrical and mechanical systems, and contaminated flood debris. Later, the public information focus shifted to address longer-term recovery issues such as use of licensed and reputable contractors, price-gouging, scam avoidance, and home restoration best practices. This public information campaign continues today, in both English and appropriate non-English languages, and will so for the foreseeable future until all recovery-related issues and concerns have been effectively dealt with. All appropriate media sources have been utilized in this campaign, including television, radio, print media, and web and social media sites. Although there were two incident-related deaths in the early days after the flooding, since that time this campaign has been largely successful in minimizing flood-related injuries and health and safety problems.

The Michigan United Way 2-1-1 telephone referral system has been a tremendously successful means of disseminating important recovery-related information and making referrals to agencies and organizations that can provide recovery assistance. To date, Michigan 2-1-1 has fielded nearly 10,000 calls from individuals seeking flood recovery information and/or referrals. Michigan 2-1-1 has been instrumental in connecting individuals in need with the appropriate resources to enable them to recover from this flood disaster. Despite its success, Michigan 2-1-1 also had one potential downside, that is, the large number of "abandoned" calls from callers that chose to hang up rather than utilize the call-back option when lines were busy. Telephone logs show that over 3,100 calls were abandoned between mid-August and the first week of September. This is disturbing to me because there is no way to track with certainty whether or not these individuals actually did receive the information and/or assistance they were seeking when they initially called Michigan 2-1-1. My hope is that they did, but I suspect a portion of these callers simply gave up and did not further seek recovery information and/or assistance.

(I must note that my concerns in this regard are not necessarily limited to Michigan 2-1-1. Reports received from state and local staff that participated in the Preliminary Damage Assessment indicate that a potentially large number of affected individuals may not have sought assistance due to a number of reasons, including but not limited to: a general distrust of or frustration with government; language and/or cultural barriers; technology barriers, i.e., do not regularly monitor media reports, the internet, or social media; or a lack of understanding regarding available resources and the means for accessing those resources. If federal disaster relief assistance is granted based on this request, we may find many additional individuals that may seek to apply for federal assistance – over and above those estimates developed in the Preliminary Damage Assessment.)

State Response and Recovery Assistance Efforts. Michigan's state departments and agencies and nongovernmental partner organizations have provided whatever appropriate resources they had at their avail to assist the affected counties and local jurisdictions in responding to and recovering from this flood disaster. Although the following is by no means an all-inclusive accounting of all response and recovery efforts, it does provide brief synopses of some of the more noteworthy efforts:

The **Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD)** began to monitor the incident in the early evening of August 11, after reports of flash flooding were first received from the affected local emergency management officials and the National Weather Service. Immediate communications were established with the local emergency management officials to assess the nature, scope, and magnitude of the incident and to help coordinate the provision of state resources as needed. This monitoring continued through the evening hours of August 11. When reports from the affected local jurisdictions and the Michigan Department of Transportation indicated that metropolitan Detroit interstate highways and major roadways had suffered major flooding, the MSP/EMHSD notified key staff to report to the State Emergency Operations Center (SEOC). The SEOC was in partial activation status for several hours, and then went to full activation status at 10:00 AM on August 12. Numerous departments, agencies, and nongovernmental partners responded and reported to the SEOC for duty.

The MSP/EMHSD coordinated SEOC operations at full activation status for the next 14 days, operating 24 hours a day, 7 days a week, on 12-hour shifts. On August 25, the overnight shift was terminated and the operational hours were changed to 8:00 AM till 8:00 PM. The SEOC remained on that schedule for two days, until August 27, when the hours were changed to 8:00 AM till 5:00 PM to more closely align with the Preliminary Damage Assessment operations ongoing in the three-county impact area. On September 8, the SEOC went to a weekly operational period.

Throughout the SEOC activation, the MSP/EMHSD staffed command, operations, logistics, planning, public information, mapping and technical support positions to keep the SEOC functioning at full capability and to fully support the state department/agency and nongovernmental partner representatives present in the facility. During this period, the MSP/EMHSD coordinated all resource requests received from the affected local jurisdictions, ensuring that each request was appropriately addressed in a timely manner. The MSP/EMHSD also coordinated the collection, compilation, review, analysis, synthesis, and reporting of damage and impact assessment information received from the affected jurisdictions and state departments/agencies. The MSP/EMHSD also conducted several briefings daily for local officials, state departments/agencies and nongovernmental partners, and other interested parties, to keep all stakeholders apprised of ongoing or planned activities and areas of concern. Daily incident management plans were developed by SEOC command staff to focus SEOC activities on planned incident management objectives and to ensure that state resources were being appropriately utilized to address the most pressing issues during the operational period. In addition, the MSP/EMHSD developed numerous daily written situation status reports and public information releases to keep SEOC staff, state government executive and legislative

leadership, local officials, our emergency management partners, and the public informed of ongoing issues, concerns, activities, and opportunities for coordination and/or involvement.

From August 25 to September 9, the MSP/EMHSD worked closely with Federal Emergency Management Agency officials to coordinate and conduct Preliminary Damage Assessments for both Individual Assistance and Public Assistance in the three-county impact area. The MSP/EMHSD was instrumental in the set-up of and conduct of the Preliminary Damage Assessment, handling all administrative and logistical aspects of the operation from the SEOC and an on-site coordination center established at the Double Tree Inn in Dearborn. Lastly, using the assessment information and findings from the Preliminary Damage Assessment, the MSP/EMHSD provided considerable technical assistance to me and my staff in the drafting of this request letter and in compiling the supporting information found in the various Attachments and Enclosures.

In addition to the MSP/EMHSD contributions, the **Michigan State Police (MSP)** also deployed considerable resources during the flood response to assist local officials in controlling access to flooded areas, conducting underwater search and rescue in flooded areas, and assisting with security and traffic control as required. Early in the response, the MSP Aviation Unit also flew aerial reconnaissance and assessment missions over the affected areas to search for additional stranded motorists on flooded highways, to aid local and state officials in determining the scope and magnitude of the flooding, and to take aerial photographs and video footage of flooded areas for damage and impact assessment purposes. (Some of those photographs appear in this letter at Attachment 3.) The MSP Special Operations Division also assisted at the SEOC, and the Michigan Intelligence Operations Center (MIOC) continuously monitored the flooding conditions and sent out situational awareness bulletins on the weather and flooding to all stakeholder partners through the duration of the response and recovery.

The **Michigan Department of Agriculture and Rural Development (MDARD)** made available flood clean-up (to include sewage) guidance to affected food establishments in the three-county impact area. This guidance was provided in English, Spanish, Arabic, and Mandarin languages. In addition, the MDARD and the U.S. Food and Drug Administration (FDA) Detroit District Office coordinated with various food industry associations in Michigan to assess the impact of the flooding on the food and agriculture sector and to determine appropriate follow-up measures necessary to protect public health. (Providing the clean-up guidance to food establishments was one of the necessary measures.) During this outreach process, the MDARD focused on food warehouses and retail establishments while the FDA focused on food processors and other regulated firms (e.g., drug, biologics, medical devices, etc.) within the local jurisdictions most heavily impacted by the flooding. (Those jurisdictions included but were not limited to: Warren, St. Clair Shores, and Clinton Township in Macomb County; Madison Heights, Ferndale, and Royal Oak in Oakland County; and Dearborn, Dearborn Heights, and Detroit in Wayne County.) In addition, the MDARD also reached out to the affected health departments (county and City of Detroit) who license and inspect restaurants, and with major grocery store chains and trade associations. MDARD personnel also inspected a number of gasoline stations in the affected area to determine if any had issues with flood water in their gasoline storage

tanks. (One did, but the issue was satisfactorily resolved by the state inspectors.)

The **Michigan Department of Community Health (MDCH)** coordinated with affected local health departments regarding the provision of disaster behavioral health resources; monitored and coordinated with local hospitals and the Region 2 Health Care Coalition regarding flood-related damage and the resultant impacts on hospital operations; and worked closely with the SEOC Public Information Officer to disseminate appropriate and timely health-related information to flood survivors.

The **Michigan Department of Environmental Quality (MDEQ)** coordinated extensively with local officials involved in debris management operations to ensure compliance with federal and state environmental laws and regulations; issued timely emergency approvals of sites designated for use as temporary debris storage and transfer sites; issued other emergency authorizations and waivers where appropriate; provided technical assistance to local officials and private debris management firms regarding issues pertaining to the collection, storage, transport, and disposal of flood-related debris; assisted in the identification of supplemental debris management resources for local officials in need of such resources; and monitored flood-related impacts on local drinking water treatment plants and operations in the affected area.

The **Michigan Department of Human Services (MDHS)** coordinated with involved voluntary relief organizations, community-based organizations, MDHS County Offices and the Michigan Community Service Commission, Michigan 2-1-1, and other human service providers to identify, assess, and attempt to meet the recovery needs of flood survivors. The MDHS undertook a number of activities during the response and recovery phases of this disaster to meet this broad mission, including but not limited to: coordinating with the American Red Cross, Michigan Voluntary Organizations Active in Disasters, and other voluntary relief organizations to establish and operate two temporary emergency shelters, 10 Multi-Agency Resource Centers, and a Recovery Coordination Center; coordinating the distribution of thousands of clean-up and personal comfort kits; coordinating with the SEOC Public Information Officer and other public information officials regarding the dissemination of appropriate and timely recovery information using all available means (e.g., Michigan 2-1-1, web and social media sites, television, radio, etc.); registering eligible flood survivors for the limited MDHS emergency relief assistance available; coordinating the receipt and use of donated goods for the recovery effort; resolving debris management issues for volunteers providing clean-up and/or repair assistance through the Recovery Coordination Center; assisting with volunteer recruitment through the Michigan Community Service Commission and other means; procuring needed supplies for volunteer repair/clean-up teams; and addressing recovery-related issues for various functional needs populations affected by the flooding.

The **Michigan Department of Licensing and Regulatory Affairs (MDLARA)** monitored incident-related energy disruptions and energy supply issues related to the storms and flooding; monitored the operations of regulated health care facilities affected by the flooding; provided (through the Michigan Occupational Safety and Health Administration – MIOSHA) worker safety information to emergency responders and workers, as appropriate; and provided (through the

Bureau of Construction Codes) information to citizens in the City of Highland Park and other communities on mandated building, mechanical, electrical and plumbing inspections.

The **Michigan Department of Technology, Management and Budget (MDTMB)** monitored the impacts of the flooding on state owned and operated facilities and state government operations in the three-county area; assisted in obtaining needed resources for emergency operations and/or flood recovery through standing vendor contracts and/or the state's emergency procurement process; identified and procured office space and coordinated information technology installation for needed emergency facilities; and assisted in transporting recovery supplies to Multi-Agency Resource Centers and other distribution facilities.

The **Michigan Department of Transportation (MDOT)**, assisted by local public works and law enforcement personnel and the Michigan State Police, managed the closure of several sections of interstate and state highways in and around metropolitan Detroit that were inundated by flood water. This included several sections interstate highways I-75, I-94, I-96, and I-696, and Michigan highways M-10 and M-39. The MDOT also monitored and reported on closures of local roads and bridges by local officials; reported on the scope and magnitude of road and bridge damage in the affected counties; coordinated with the Federal Highway Administration (FHWA) regarding implementation of its Emergency Relief Program; and participated in the Public Assistance Preliminary Damage Assessment for road and bridge damage.

THE REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK.

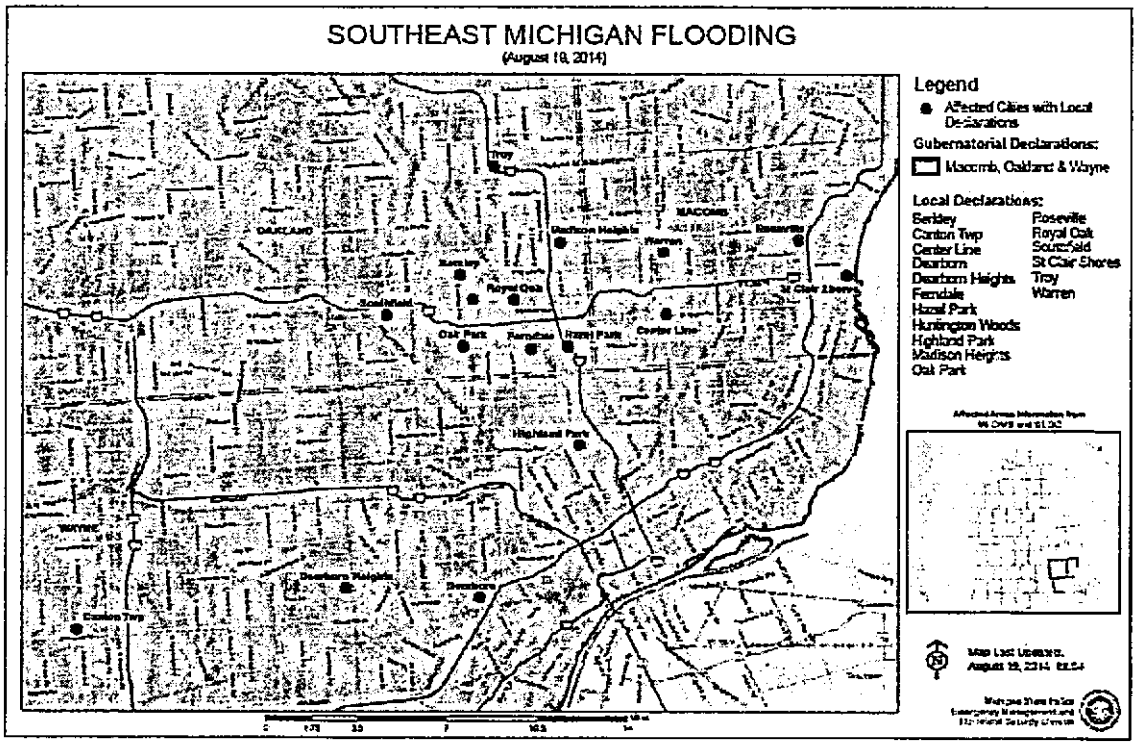
ATTACHMENT 3 TO MAJOR DISASTER REQUEST

Supporting Maps, Charts, and Photographs

The following maps, photographs, and charts are furnished to support the narrative contained in the body of this letter, and in Attachment 2:

Disaster Area Maps

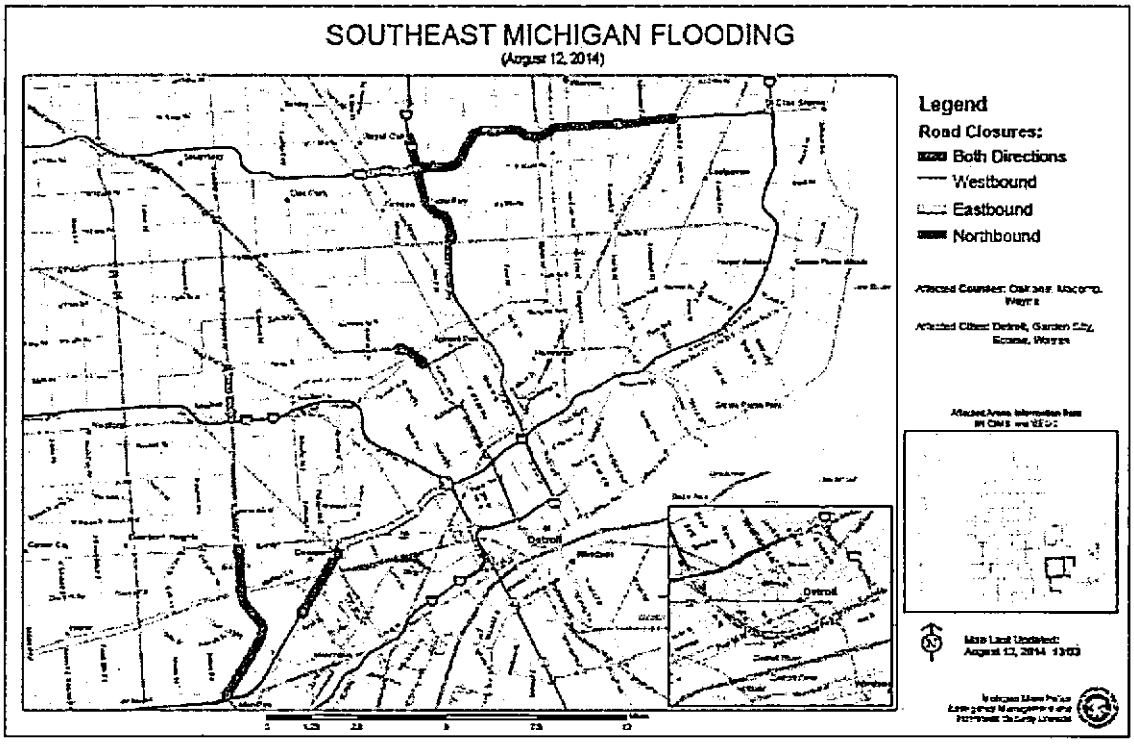
Jurisdictions Covered by Local and/or State Declarations
August 11, 2014 Historic Rainfall in Southeast Lower Michigan



Source: State Emergency Operations Center, Geographic Information Systems Unit

Disaster Area Maps (cont.)

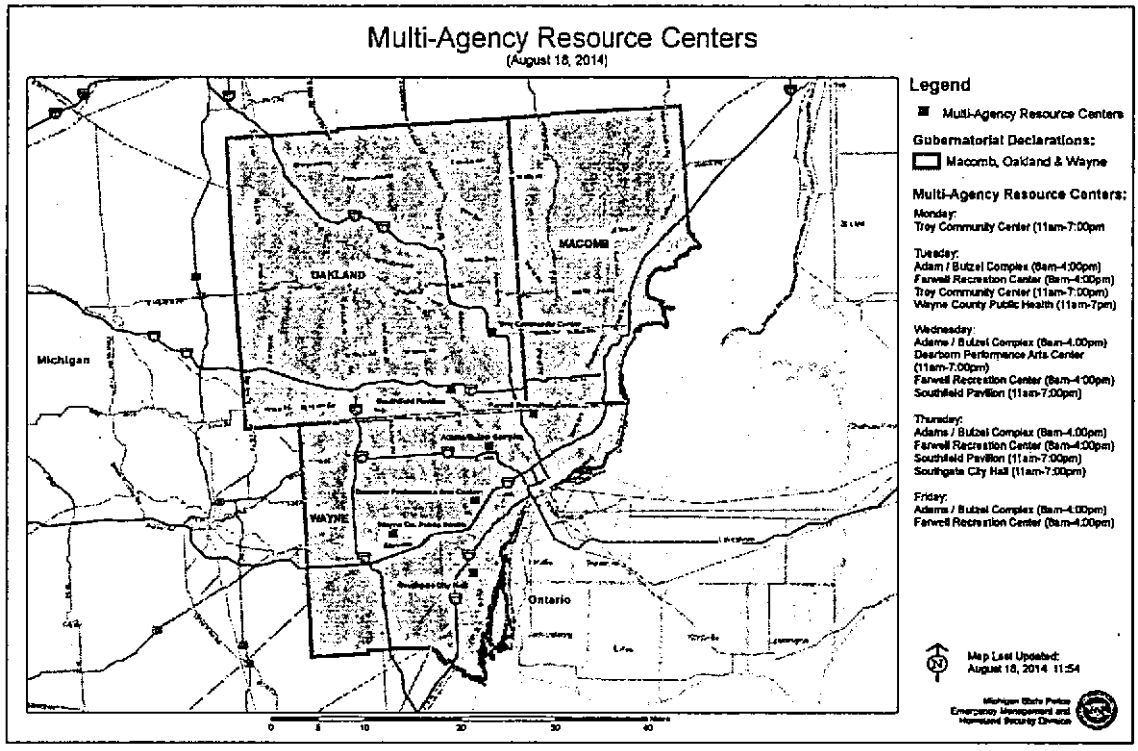
Interstate / Major State Highway Closures
August 11, 2014 Historic Rainfall in Southeast Lower Michigan



Source: State Emergency Operations Center, Geographic Information Systems Unit

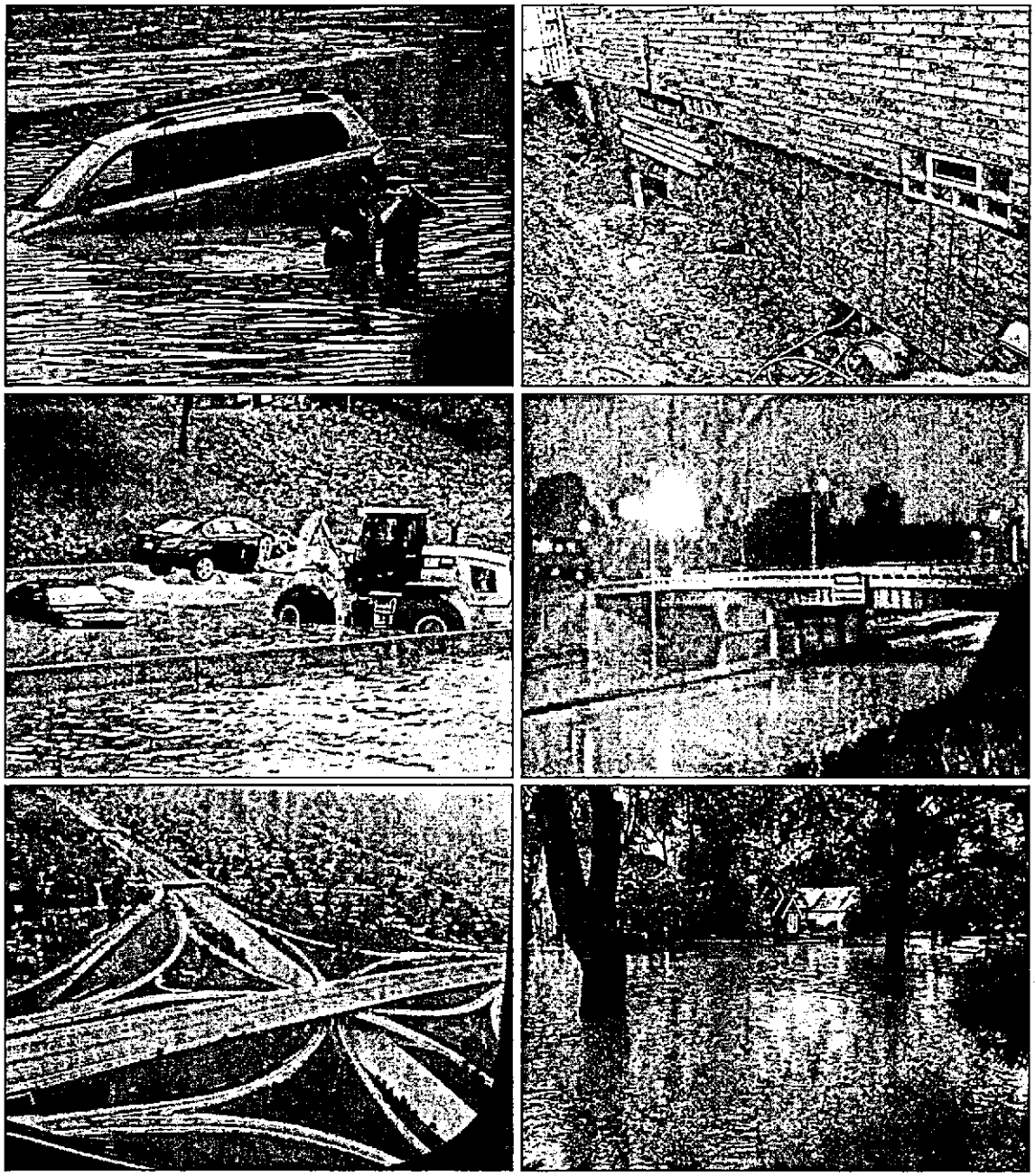
Disaster Area Maps (cont.)

Initial Multi-Agency Resource Centers in Declared Areas
August 11, 2014 Historic Rainfall in Southeast Lower Michigan



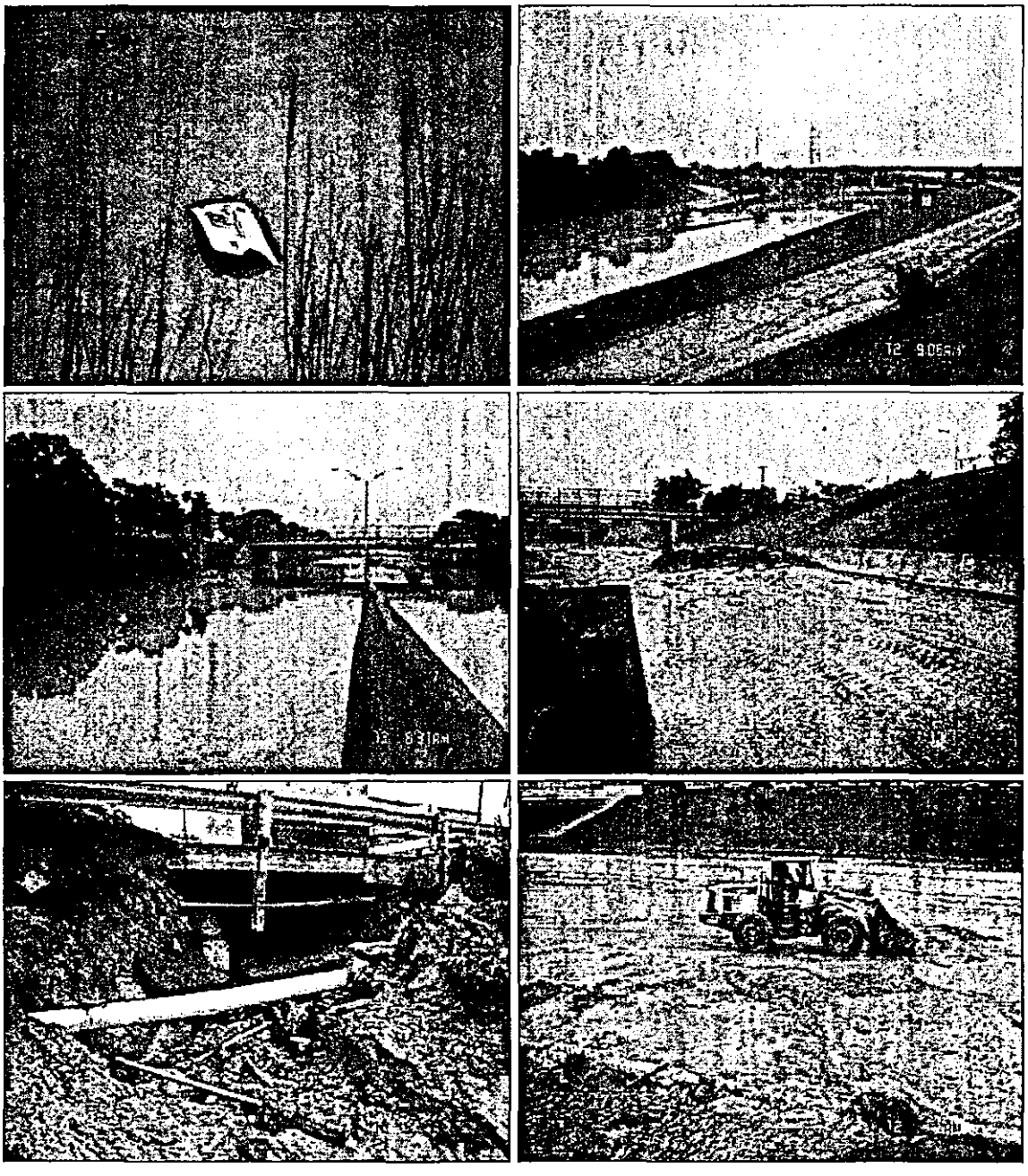
Source: State Emergency Operations Center, Geographic Information Systems Unit

Selected Photographs of Flood Damage and Impacts



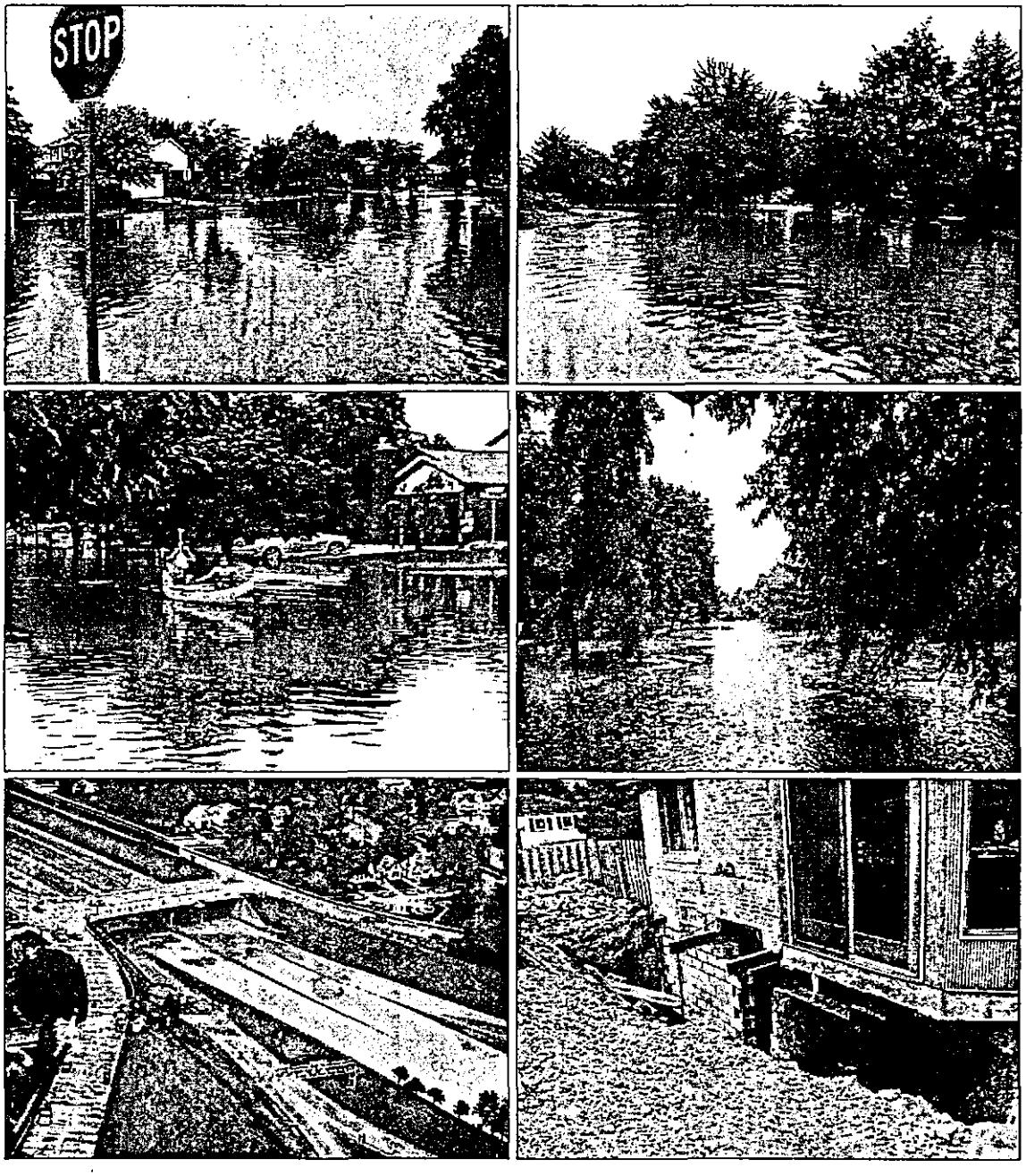
Row 1, L-R: Oakland County – water rescue; Macomb County – flood-damaged home foundation in the City of Warren.
Row 2, L-R: Oakland County – recovery of submerged vehicles; Oakland County – flooded highway.
Row 3, L-R: Oakland County – aerial view of flooded I-75; Oakland County – residential flooding.

Selected Photographs of Flood Damage and Impacts (cont.)



Row 1, L-R: Oakland County – rear of submerged vehicle; Oakland County – flooded section of I-75. (Note: Flood waters reached 14-15 feet high on some sections of metropolitan Detroit freeways.)
Row 2, L-R: Oakland County – flooded section of I-75; Oakland County – I-75 mud and debris removal.
Row 3, L-R: Oakland County – I-75 flood damage; Oakland County – I-75 mud and debris removal.

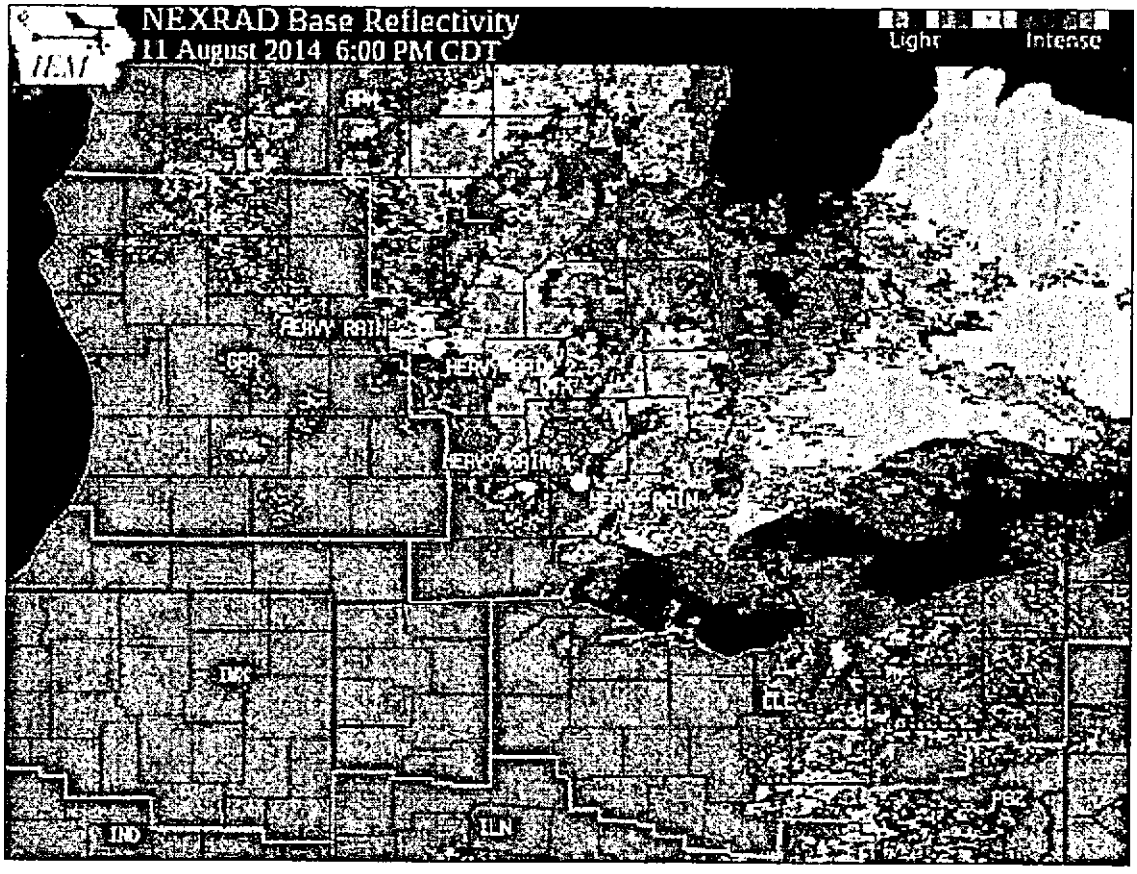
Selected Photographs of Flood Damage and Impacts (cont.)



Row 1, L-R: Wayne County – Canton Township residential flooding scenes.
Row 2, L-R: Wayne County – Canton Township residential flooding scenes.
Row 3, L-R: Oakland County – flooded section of I-75; Macomb County – flood-damaged home foundation in the City of Warren.

National Weather Service Images and Precipitation Report

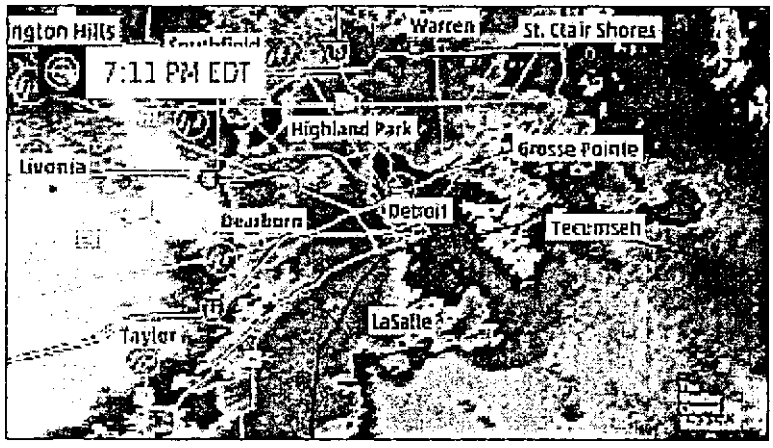
6:00 PM Radar Image for August 11, 2014
Historic Rainfall in Southeast Lower Michigan



Source: National Weather Service – Detroit/Pontiac Office; Iowa State University (Iowa Environmental Mesonet)

National Weather Service Images and Precipitation Report (cont.)

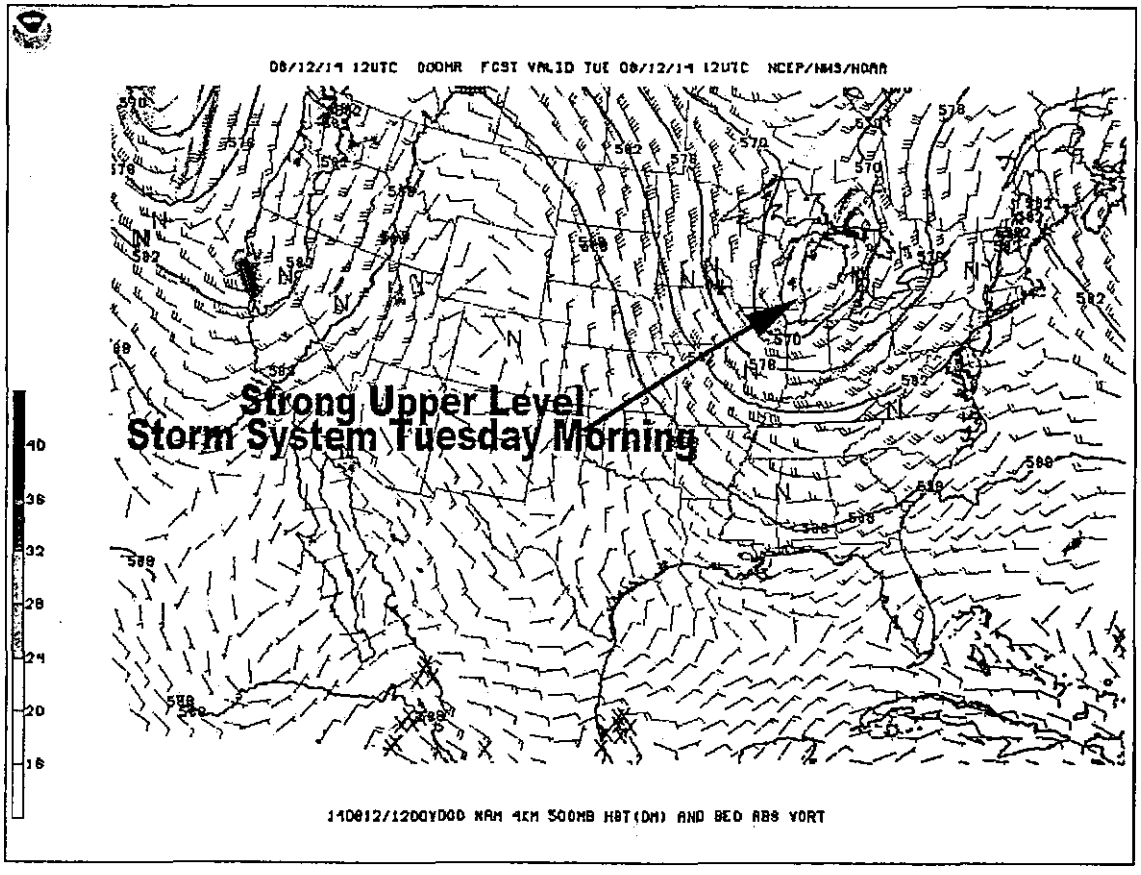
7:11 PM Radar Image for August 11, 2014
Historic Rainfall in Southeast Lower Michigan



Source: The Weather Channel

National Weather Service Images and Precipitation Report (cont.)

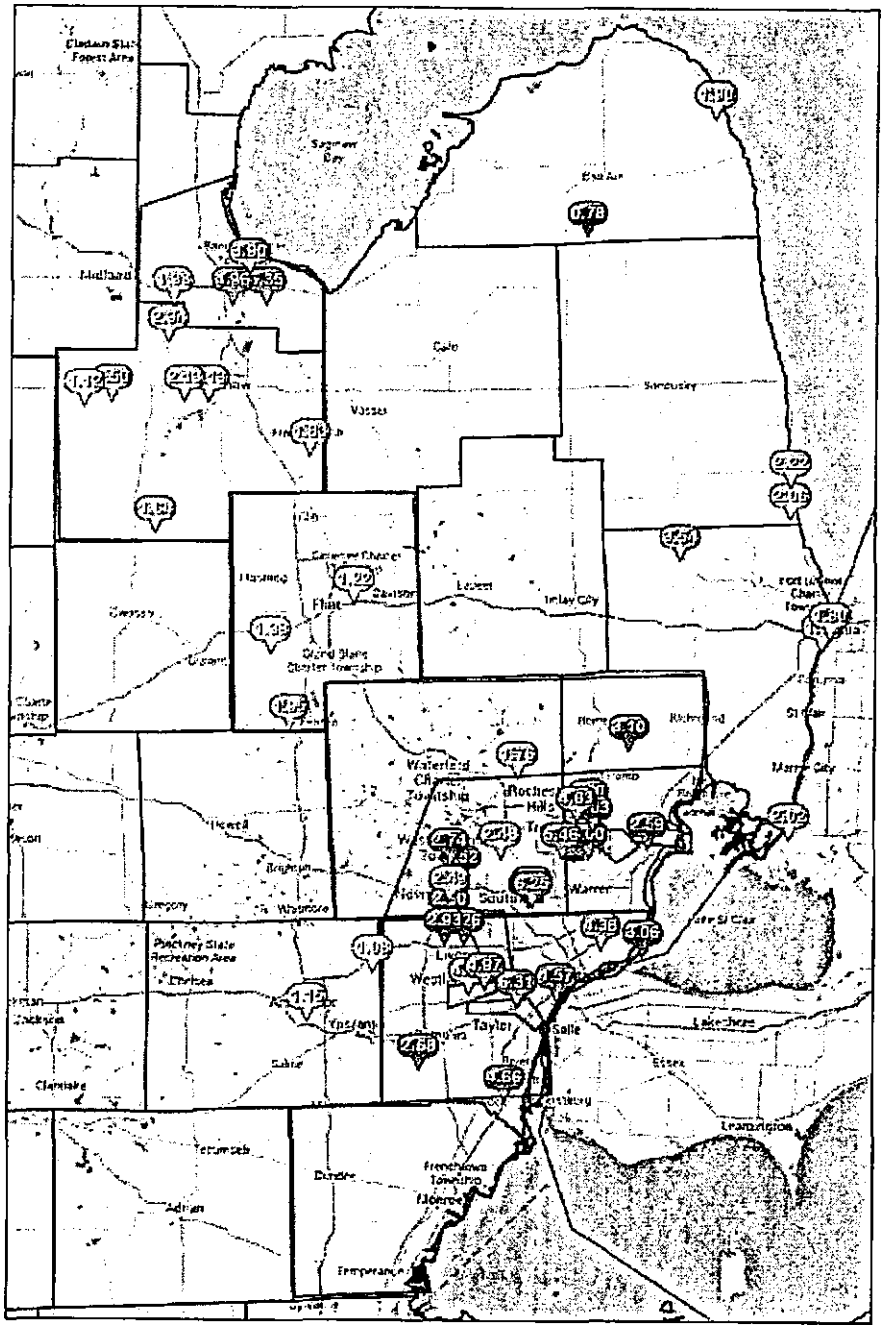
Upper Level Atmospheric Storm Track for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Centers for Environmental Prediction Image)



Source: National Oceanic and Atmospheric Administration – National Centers for Environmental Prediction

National Weather Service Images and Precipitation Report (cont.)

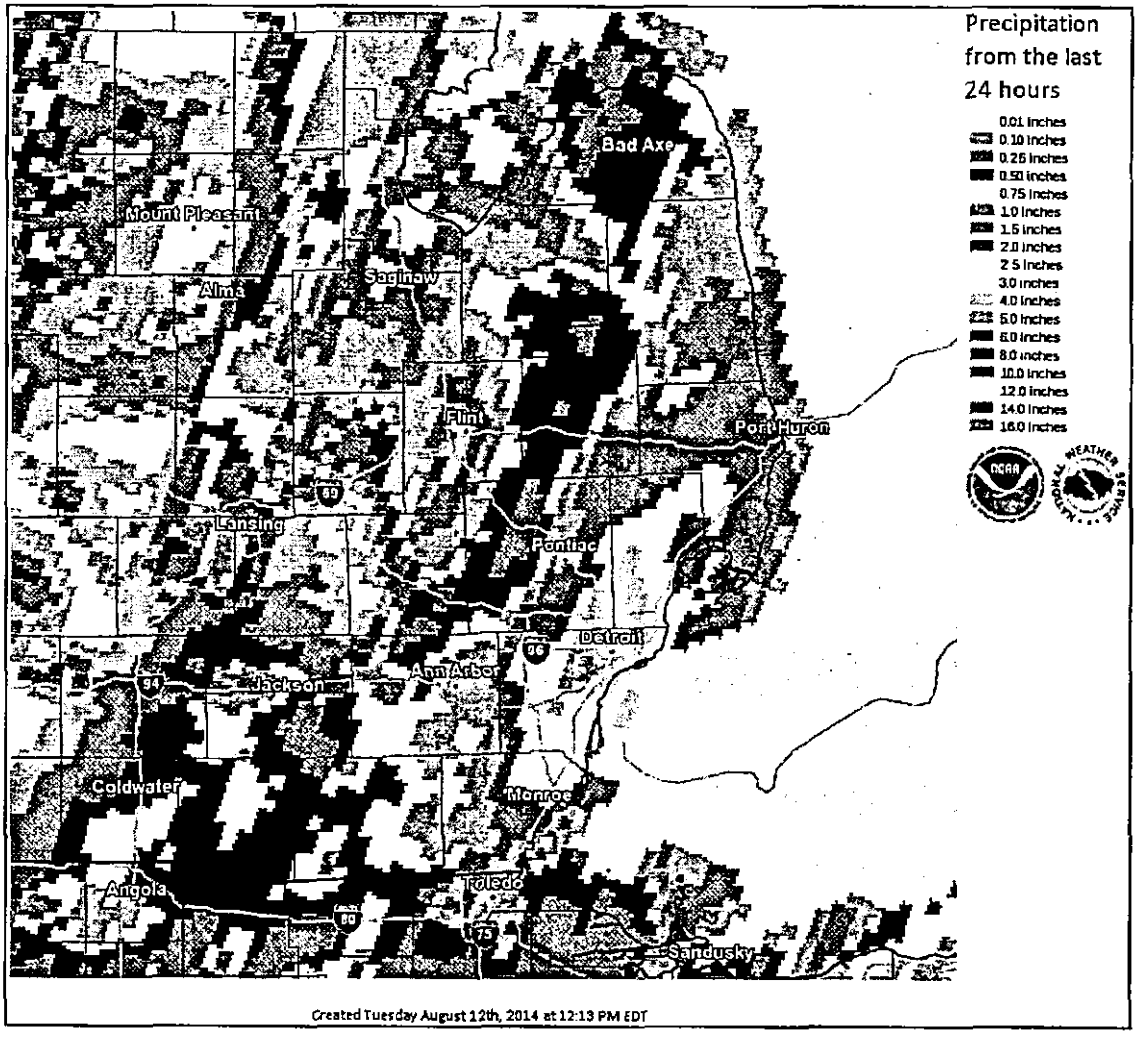
Local Storm Reports for August 11, 2014
Historic Rainfall in Southeast Lower Michigan



Source: National Weather Service – Detroit/Pontiac Office; Iowa State University (Iowa Environmental Mesonet)

National Weather Service Images and Precipitation Report (cont.)

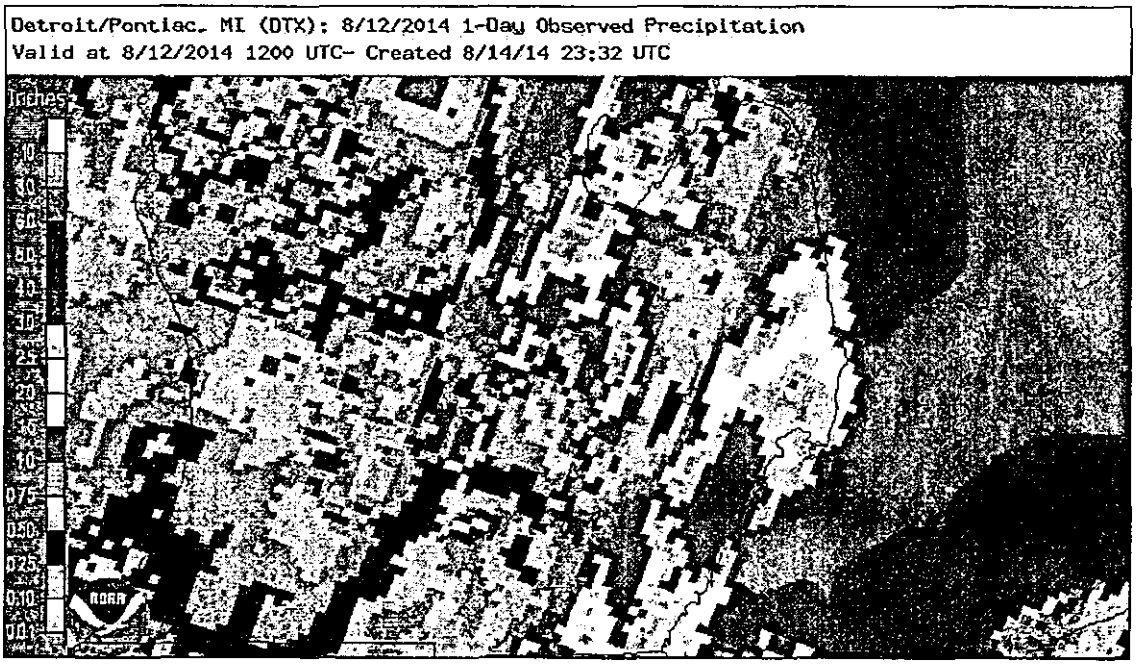
24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Weather Service Image)



Source: National Weather Service – Detroit/Pontiac Office

National Weather Service Images and Precipitation Report (cont.)

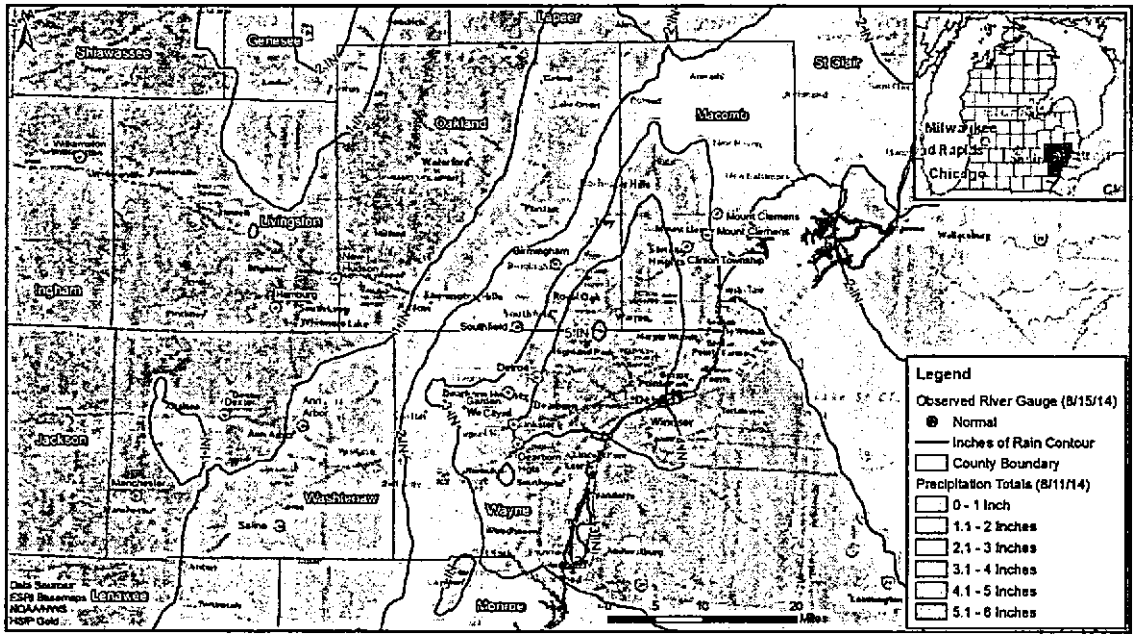
24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(Advanced Hydrologic Prediction Service Image)



Source: National Weather Service – Advanced Hydrologic Prediction Service

National Weather Service Images and Precipitation Report (cont.)

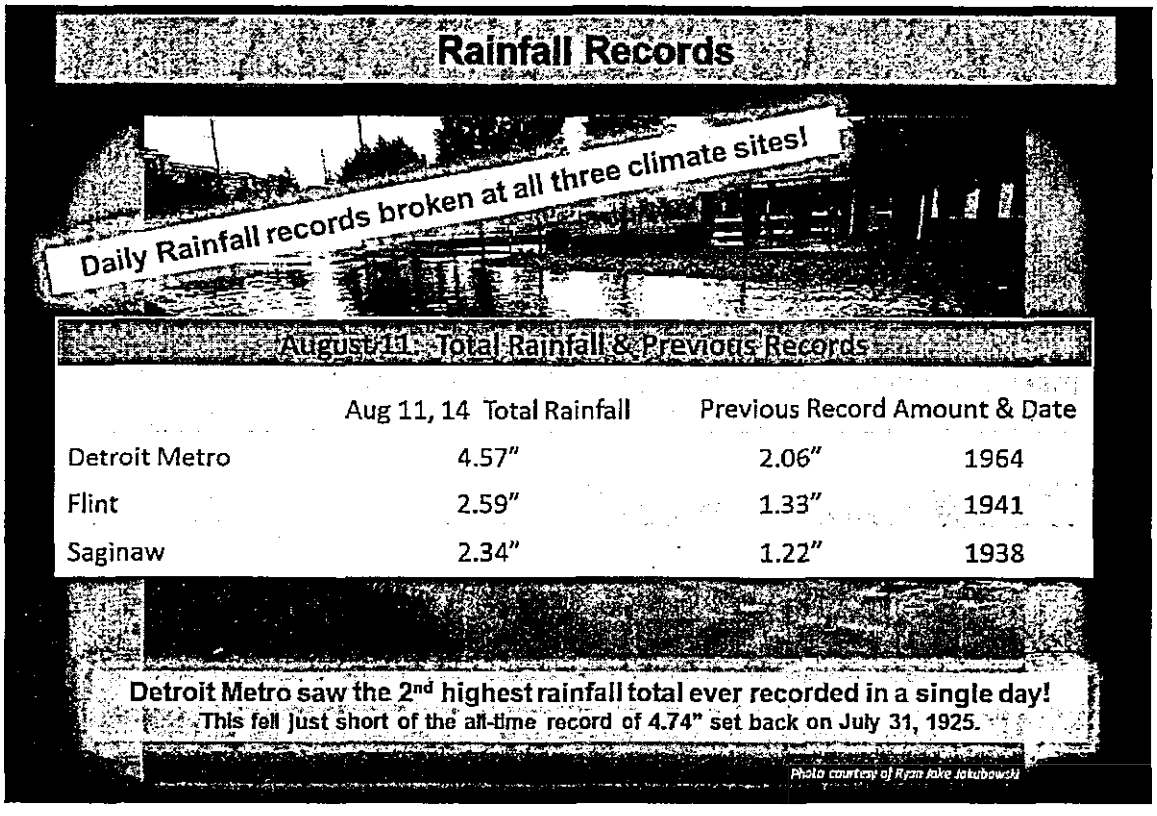
24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Weather Service Image – Alternate Format)



Source: National Weather Service

National Weather Service Images and Precipitation Report (cont.)

Record Rainfall Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan



	Aug 11, 14 Total Rainfall	Previous Record Amount & Date	
Detroit Metro	4.57"	2.06"	1964
Flint	2.59"	1.33"	1941
Saginaw	2.34"	1.22"	1938

Source: National Weather Service – Detroit/Pontiac Office

National Weather Service Images and Precipitation Report (cont.)

Selected Precipitation Reports for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Duration	Location	County	Rainfall Total
13-Hour	City of Warren	Macomb	5.20 Inches
Storm Total	City of Rochester	Macomb	4.90 Inches
12-Hour	Shelby Township	Macomb	4.63 Inches
9-Hour	City of Fraser	Macomb	4.50 Inches
12-Hour	City of Southfield	Oakland	6.25 Inches
9-Hour	City of Berkley	Oakland	6.00 Inches
Storm Total	City of Troy	Oakland	5.46 Inches
12-Hour	City of Dearborn	Wayne	6.31 Inches
12-Hour	City of Dearborn Heights	Wayne	4.97 Inches
12-Hour	City of Woodhaven	Wayne	4.66 Inches
24-Hour	City of Romulus	Wayne	4.57 Inches
12-Hour	City of Detroit (4 S)	Wayne	4.57 Inches
Storm Total	City of Wyandotte	Wayne	4.39 Inches
24-Hour	City of Detroit (6 NNE)	Wayne	4.38 Inches
12-Hour	City of Detroit (6 NNE)	Wayne	4.32 Inches
Storm Total	City of Taylor	Wayne	4.25 Inches
Storm Total	Canton Township	Wayne	4.25 Inches
10-Hour	City of Garden City	Wayne	4.16 Inches
9.5-Hour	City of Allen Park	Wayne	4.15 Inches
Storm Total	Canton Twp. (1 NW)	Wayne	4.03 Inches
2-Hour	City of Livonia	Wayne	4.00 Inches
7-Hour	City of Dearborn (ESE)	Wayne	3.50 Inches
10-Hour	Canton Twp. (5 ENE)	Wayne	3.44 Inches
12-Hour	City of Livonia (2 NE)	Wayne	3.26 Inches

Source: National Weather Service – Detroit/Pontiac Office
Note: All totals measured

ENCLOSURE A TO MAJOR DISASTER REQUEST

Estimated Stafford Act Individual Assistance Requirements

Verified Home Damage

County	Homes Destroyed	Homes with Major Damage	Homes with Minor Damage	Homes Affected	Getting Assistance	Total	% Owner Occupied	% Insured	% Low Income	HUD FMR for 2 Bedroom
Macomb	1	94	182	138	138	415	94%	19%	11%	$646.00
Oakland	0	36	216	189	189	441	89%	19%	4%	$646.00
Wayne	0	112	593	708	708	1413	85%	17%	18%	$646.00
Total / Average	1	242	991	1035	1035	2269	88%	17%	14%	$646.00

Notes: FMR = Fair Market Rent; Percent of affected dwellings eligible for Individuals and Households Program (IHP) = 100%

Individuals and Households Program (IHP) Cost Estimates

Estimated Housing Assistance (HA)	Number of Households (Uninsured)	Cost	Total Cost	Category Total Cost
TEMPORARY HOUSING				**$290,505**
Rent (Pre-Disaster Renters) – 1 month	281		$150,365	
Rent (Owners w/Major or Destroyed) – 1 month	217		$140,140	
REPAIR ASSISTANCE				**$9,457,196**
Repair Costs (Owners w/Affected)	745	$1,500	$1,117,500	
Repair Costs (Owners w/Minor)	717	$3,588	$2,572,496	
Repair Costs (Owners w/Major)	178	$32,400	$5,767,200	
REPLACEMENT ASSISTANCE				**$31,754**
Replacement Costs (Owners w/Destroyed)	1	$31,754	$31,754	
TOTAL ESTIMATED HOUSING ASSISTANCE (HA)	1,922		$9,779,455	
Estimated Average HA Award per Household		$5,088		
ESTIMATED OTHER NEEDS ASSISTANCE (ONA)				
ONA (All Renters and Owners w/Affected, Minor, Major)	1,871	$1,329	$2,487,139	
ONA (Owners – Destroyed)	0	$1,329		
TOTAL ESTIMATED OTHER NEEDS ASSISTANCE (ONA)	1,871		$2,487,139	**$2,487,139**
Total Estimated Federal Share (75%)		$1,865,354		
Total Estimated State Share (25%)		$621,785		
Estimated Average ONA Award per Household		$1,329		
TOTAL ESTIMATED HA and ONA (FEDERAL SHARE)				**$11,644,809**

ENCLOSURE B TO MAJOR DISASTER REQUEST

Estimated Stafford Act Public Assistance Requirements

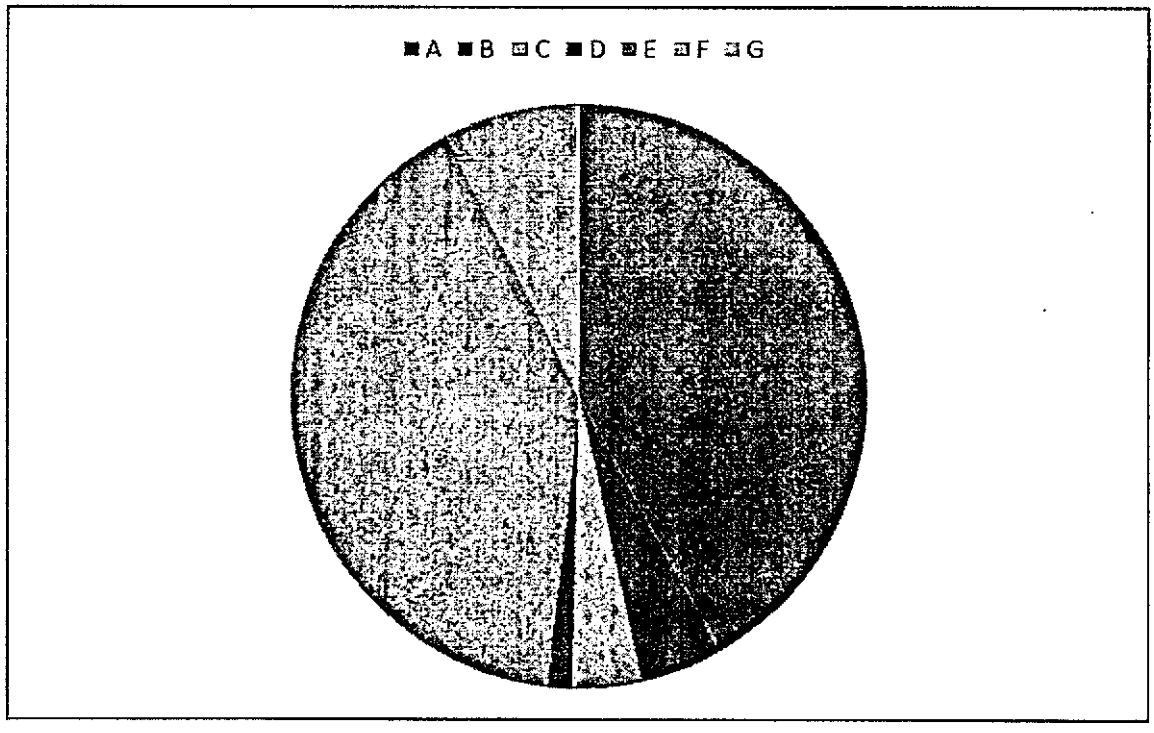
(All table figures in $; totals may vary slightly due to rounding)

County	A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equip.	F Public Utilities	G Parks and Recreation / Other	Total
Macomb	$769,831	$359,732	$307,003	$6,000	$3,119,945	$642,287	$15,293	$5,220,091
Oakland	$3,552,680	$52,819	$196,000	$48,579	$569,243	$89,615	$5,493	$4,514,429
Wayne	$2,708,198	$325,305	$141,710	$181,000	$3,144,827	$502,412	$4,025	$7,007,477
State Agencies	$0	$36,078	$0	$0	$0	$0	$0	$36,078
Totals:	7,030,709	$773,933	$644,713	$235,579	$6,834,015	$1,234,314	$24,811	$16,778,074
Federal Share (75%)	$5,273,032	$580,450	$483,535	$176,684	$5,125,511	$925,736	$18,608	$12,583,555
Non-Federal Share (25%)	$1,757,677	$193,483	$161,178	$58,895	$1,708,504	$308,578	$6,203	$4,194,519

Macomb County Population: 840,978; Per Capita Loss: $6.21
Oakland County Population: 1,202,362; Per Capita Loss: $3.75
Wayne County Population: 1,820,584; Per Capita Loss: $3.85

Public Assistance Categories, by Cost

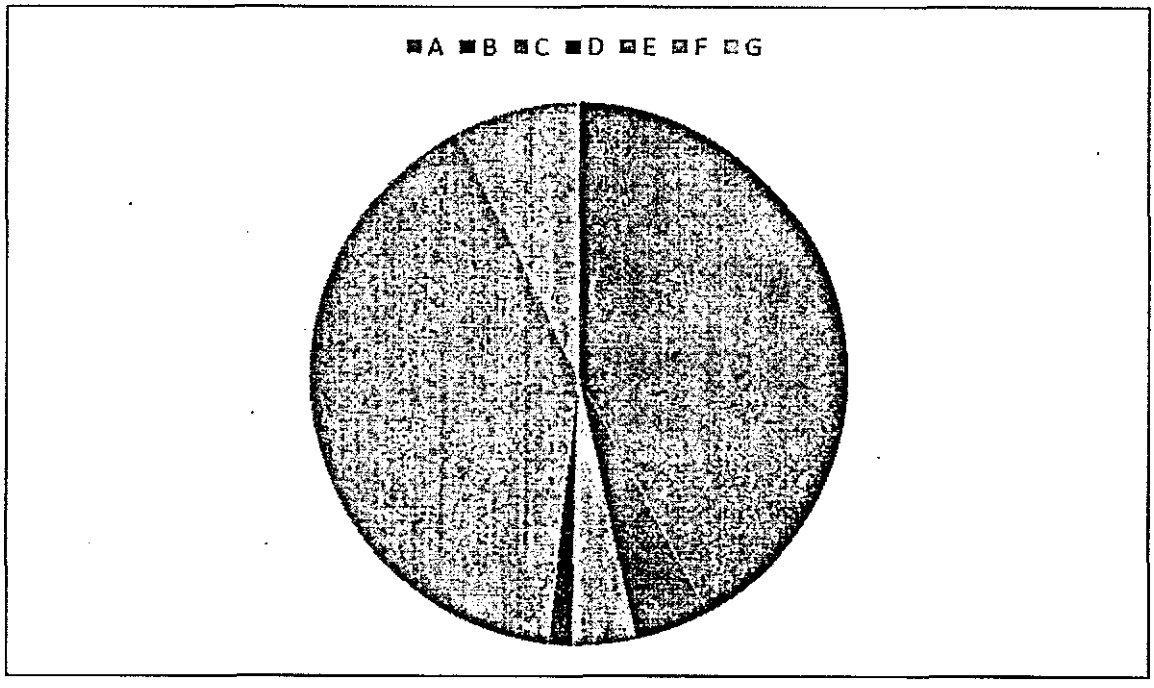
A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equipment	F Public Utilities	G Parks and Recreation / Other
$7,030,709	$773,933	$644,713	$235,579	$6,834,015	$1,234,314	$24,811



ENCLOSURE B TO MAJOR DISASTER REQUEST (cont.)

Public Assistance Categories, by Percentage

A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equipment	F Public Utilities	G Parks and Recreation / Other
42%	5%	4%	1%	41%	7%	0%



ENCLOSURE C TO MAJOR DISASTER REQUEST

Estimated Assistance from Other Federal Agency Programs

County	SBA Home Loans	SBA Business Loans	FSA Loans	NRCS	FHWA	USACE	Other
Macomb	$3,907,000	$987,000					
Oakland	$2,140,000	$8,012,000					
Wayne	$4,452,000	$470,000					
Totals	$10,499,000	$9,489,000					

ENCLOSURE D TO MAJOR DISASTER REQUEST

Historic and Current Snowfall Data

Not Applicable to this Request.

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Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Monday, January 04, 2016 4:46 PM
To: Weber, Thomas (MSP)
Subject: RE: Monday meeting notes

Ok. Let me know if there's any sort of document that will need to be compiled for a Flint declaration (e.g. something that includes descriptions of Flint's community need, vulnerable populations, etc.)

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 4:40 PM
To: Covey, Gabriel (MSP); McCarthy, Joyce (MSP); Kuzera, Michelle (MSP); Hollaender, Henrik (MSP); Hardy, Raquel (MSP); Eickholt, Jay (MSP); Mark, Kevin (MSP); McQueen, Nate (MSP); Martinez, Mark (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
Subject: Monday meeting notes

Nothing major this morning at the Monday meeting. The following points came up:

- Keep in mind your contributions to points within the Strategic Plan and report out on them when possible.
- The Flint County Commission met this morning and declared emergency. A request for the Governor to declare emergency was also made.
- The move is on track. Labels were passed out to everyone today. Boxes were also delivered.
- The Terrorism Tabletop was moved to January 22.
- Cap/we will be heavily involved in the response to assist Flint.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From:	MSP-EMHSD-NEWS
Sent:	Monday, January 04, 2016 3:07 PM
To:	MSP-EMHSD-NEWS
Subject:	MSP/EMHSD Media Monitoring Report -- Jan. 4, 2016
Attachments:	Media Monitoring Report - 2016.01.04.pdf

MEDIA MONITORING REPORT

1/4/2016

Issues:

- No issues to report.

Summary:

- The chairman of the Genesee County Board of Commissioners has declared a state of emergency in Flint because of lead in the city's water supply.
- Gov. Rick Snyder is gathering the information needed to formally declare a state of emergency in Flint over the water contamination issue, but in the meantime is "already recognizing this as an emergency," spokesman Dave Murray said Monday.
- Plans are moving forward to seek more help handling problems with Flint's water system.
- A booming rendition of the spiritual hymn "Wade in the Water" set the tone Sunday morning for what was to come during a service at the Unitarian Universalist Congregation of Flint
- Gov. Rick Snyder of Michigan apologized this week for how the water crisis in Flint has been handled. Residents there were exposed water with high levels of lead for months after the city switched water suppliers. The city has since switched back to the Detroit water system.
- A New Jersey newspaper editorial examines its state government's lack of action due to lead in drinking water.
- Civil rights groups are planning to march and shut down a stretch of Michigan Avenue Monday night to demand justice in the December fatal shooting of an unarmed Detroit man by a Dearborn police officer/
- The Michigan State Police have enacted new rules that require all Multi-Line Telephone Systems (MLTS) or Private Branch Exchange (PBX) phones systems in Michigan to provide accurate locations for phones when a user dials 911.
- Sanilac County could invest nearly $1 million to renovate a 9,840-square-foot building in Sandusky to relocate multiple departments to a space officials say better suits their needs.
- Illinois, Missouri assess damage, cleanup after flooding.
- National Weather Service forecasts: Lake Effect Snow impacting parts of the state.

Analysis:

- Heavy local coverage about Genesee County's local declaration due to the Flint water crisis.
- Lake effect snow is impacting parts of Michigan.
- Will continue to monitor the situation.

Flint Water
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Board declares state of emergency in Flint water crisis
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Disaster declaration headed to Governor
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FLINT WATER

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MLive, January 4, 2015

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Chairman Jamie Curtis, supported by the county board, signed the declaration today, Jan. 4, during a meeting of the commissioners, clearing the way to send the request for help to Gov. Rick Snyder.

City and county officials said the request will amount to more than $50 million, including money to replace lead service lines and make other infrastructure upgrades but said specifics of the request are still being developed.

"Its a victory, and it's a step in the right direction," said Flint Mayor Karen Weaver, who said she plans to meet with Snyder in iscuss the declaration Thursday, Jan. 7.

Weaver declared that Flint had suffered a man-made disaster because of lead in water last month, the first step in requesting state and federal assistance.

"We're not going to be ignored," Curtis said. "We're going to get the help that these people need."

Board declares state of emergency in Flint water crisis

Detroit Free Press, January 4, 2015

LANSING -- Gov. Rick Snyder is gathering the information needed to formally declare a state of emergency in Flint over the water contamination issue, but in the meantime is "already recognizing this as an emergency," spokesman Dave Murray said Monday.

Murray made his comment after the Flint Journal reported the Genesee County Board of Commissioners declared a state of emergency Monday in Flint.

The board's action follows an emergency declaration by Flint Mayor Karen Weaver, who said she plans to meet this week with Gov. Rick Snyder.

Specifics of the request are being worked out, but plans call for dealing with causes and effects of lead contamination. It's also part of the process for requesting federal assistance.

Flint switched from Detroit's water system last year to Flint River water in a cost-cutting move. Residents complained about the taste, smell and appearance, and children were found to have elevated blood-lead levels. Flint returned to Detroit's system in October.

Last week, Department of Environmental Quality Director Dan Wyant resigned over the issue, as did his communications director, Brad Wurfel.

"The health and welfare of Flint residents is a top priority, and we're committed to working closely with Mayor Weaver and the Genesee County Commission on a coordinated response to health and infrastructure issues," Murray said Monday in an e-mail to the Free Press.

The Michigan State Police's Emergency Management and Homeland Security Division is working with the Genesee County Emergency Management Coordinator to gather information about the resources needed for a governor's declaration of an emergency, Murray said.

"The State Police have been closely engaged in the situation since the beginning, meeting with both county and city leaders to guide them through state and federal laws regarding the emergency management process," he said.

"Due to the uniqueness of this situation, we have to look at all possible options to help Flint residents. But prior to a formal declaration, we are recognizing this as an emergency and are working with city and county leaders to coordinate efforts, streamline communication and tap all available resources at the state's control."

Plans move forward to seek more help for Flint water system

Associated Press, January 4, 2015

Plans are moving forward to seek more help handling problems with Flint's water system.

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County OKs Flint's state of emergency declaration

Michigan Radio, January 4, 2016

Flint's state of emergency declaration is on its way to the governor's office.

The Genesee County Commission approved the declaration for the city of Flint Monday.

The declaration is tied to elevated lead levels in the city's drinking water.

The city's action plan calls for $45 million to replace 15,000 lead transmission lines that connect Flint homes to the city's water system. It also asks for $6 million to help Flint connect to a new pipeline under construction from Lake Huron.

Commission chairman Jamie Curtis says his county's needs will not be ignored.

"This is a state man-made disaster," says Curtis., "And we're going to put together a comprehensive plan and we're going to ask the state to fix their disaster."

In April, 2014, the city switched from Detroit to the Flint River as the source of its tap water. But city and state officials failed to address of the corrosiveness of the river water. Researchers say the river water damaged water pipes, and the pipes eventually leeched high levels of lead into the drinking water. The city switched back to Detroit water last fall.

However, health officials say the threat of lead exposure persists.

"Lead should never be in the body of a child," Dr. Mona Hanna-Attisha told county commissioners today. She recently published a study in a national medical journal showing childrens' blood lead levels in some Flint neighborhoods have tripled.

Health officials fear the lead problem will continue for years to come.

"It's going to be pure hell," is how County Commissioner Brenda Clark describes the effect on Flint schools, when infants who consumed formula made with lead-tainted water start kindergarten in a few years.

But coming up with a specific number for how much is needed to cover the health care costs is problematic.

Mayor Karen Weaver says that's why they've drafted a "fluid" plan to address the issue as more information is gathered.

Weaver is scheduled to sit down with Gov. Snyder on Thursday. It will be up to the governor to decide whether Flint's water problems can be submitted to the Obama administration for a federal disaster declaration.

Weaver plans to travel to Washington later this month to meet with federal officials.

State Rep. Sheldon Neeley calls out, on governor for help over Flint water

MLive, January 3, 2016

FLINT TWP, MI – A booming rendition of the spiritual hymn "Wade in the Water" set the tone Sunday morning for what was to come during a service at the Unitarian Universalist Congregation of Flint.

The service included guest speaker Sheldon Neeley, the 34th District state House Representative from Flint, who took a hard stance against Gov. Rick Snyder and what he felt was the emergency manager's role over the water issue in Flint.

"Governor Snyder provided an apology," said Neeley to around 50 people seated in the audience. "Thank you for those words, Governor, but an apology is worthless unless your actions follow."

Neeley said the water issues stemmed from an emergency manager in place at the city.

County commissioners to take up Flint water action plan

Michigan Radio, January 3, 2016

Flint's plan to recover from its drinking water problems goes to the Genesee County commission Monday morning.

The city's use of the Flint River for its drinking water damaged the city's pipes, and exposed thousands of people to high levels of lead. The city switched back to Detroit water last Fall. But city residents are still being told to use water filters.

Mayor Karen Weaver is asking the county commission to give its OK to Flint's plan to fix the problem.

Open Letter to Gov. Rick Snyder: Too Late to Apologize About Flint's Water Crisis

DailyKos, January 4, 2016

Should Apologies be Accepted When The Act Was Intentional? Should Apologies Present Sense of Instant Relief – Regardless if a Long List of Repeated Cover Ups Are Revealed?

What About Standards?

Should a Governor Who Set His Standards So High He Proudly Signed A Bill Twice Over Ensuring Full Control of Cities, Townships, Villages, Counties and School Districts-- That Fails To Meet His High Standards -- Be Easily Forgiven With an "Apology" for Allowing Flint's Residents to Drink Toxic Water for years on end?

Governor Rick Snyder, the answer is a resounding no. No, Flint Residents should not accept your "apology" nor should they --- as YOU continued structure that allowed for repeated lies about safety of the water.

Lead Poisoning In Michigan Highlights Aging Water Systems Nationwide

WBEZ-FM 91.5 (Chicago), January 4, 2016

Gov. Rick Snyder of Michigan apologized this week for how the water crisis in Flint has been handled. Residents there were exposed water with high levels of lead for months after the city switched water suppliers. The city has since switched back to the Detroit water system.

Snyder also said the state has to learn from Flint, as many other cities in Michigan also have an aging infrastructure.

Robert Puentes, director of the Metropolitan Infrastructure Initiative at the Brookings Institution, tells NPR's Scott Simon that the problem of aging water systems plagues many suburbs and smaller cities in the United States.

Editorial: Poisoned children are an outrage in Michigan -- but not New Jersey?

Star-Ledger (Newark, New Jersey), January 3, 2016

Imagine if thousands of children were being poisoned, in many cases causing permanent brain damage. Parents would be in a state of panic. The headline would be stripped across every news channel.

That's what's happening in Michigan. The mayor of Flint has declared a state of emergency to address lead poisoning in the city's water supply. The proportion of children with elevated lead in their blood has nearly doubled, putting them at risk of irreversible cognitive damage. Two top officials have resigned. Now, the governor is apologizing.

Except that thousands of children are being poisoned in New Jersey, too, and there is no public outcry. Thousands more will fall victim next year, and we'll hear hardly a peep about it. Worst of all, our public officials saw all this coming, and could have saved many of these children. But they didn't, because it wasn't a priority.

Sorry kids, but you're going to have to live with brain damage, because Chris Christie and his predecessors had budget gaps to fill.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

March aims to shut down Michigan Avenue in Dearborn

Detroit Free Press, January 1, 2016

Civil rights groups are planning to march and shut down a stretch of Michigan Avenue Monday night to demand justice in the December fatal shooting of an unarmed Detroit man by a Dearborn police officer.

The march will begin at 6:30 p.m. at Michigan Avenue and Greenfield in the Kroger parking lot in Dearborn and continue a few blocks to the Dearborn Police Department, organizers said. The event is being organized by the National Action Network. Community organizations such as Take On Hate and Black Lives Matter are planning to participate.

Kevin Matthews, a 35-year-old Detroit resident, was shot multiple times Dec. 23 on Detroit's west side by a Dearborn police officer following a foot chase. The shooting is being investigated by Detroit police, who did not immediately return a call for comment Sunday.

New rules to improve emergency response time

Hillsdale Daily News, January 1, 2016

HILLSDALE — The Michigan State Police have enacted new rules that require all Multi-Line Telephone Systems (MLTS) or Private Branch Exchange (PBX) phones systems in Michigan to provide accurate locations for phones when a user dials 911.

The rules went into effect on Dec. 31, 2015.

"(The Michigan State police) have been pushing for that for a long time," Doug Sanford, emergency management director and Hillsdale 911 director, said.

Sanford said that the location of the 911 caller is vital for a quick response.

Sanilac putting $900K into emergency center

Port Huron Time-Herald, January 3, 2106

Sanilac County could invest nearly $1 million to renovate a 9,840-square-foot building in Sandusky to relocate multiple departments to a space officials say better suits their needs.

Administrator Kathy Dorman said departments including buildings and grounds and Central Dispatch have run into space issues, making the move priority for the county.

The exterior of the county-owned building at 95 Dawson St. — that officials have pegged its new Emergency Operations and Training Center — will remain largely as is, but Dorman said its interior will receive "quite extensive" remodeling.

She said that includes removing or rearranging walls and installing a new roof, heating and cooling system and security system.

Illinois, Missouri assess damage, cleanup after flooding

Associated Press, January 4, 2015

KINCAID, Ill. (AP) - Sharon Stivers mustered a smile as a visitor walked into her muddy yard.

"Welcome to my flood sale," Stivers joked, nodding to a tall stack of water-soaked furniture, appliances and belongings pulled from her home and piled high by the road in the flat central Illinois town of Kincaid. "You can have the whole thing for 50 cents."

The Mississippi River and most other waterways in Missouri and Illinois flooded last week after 10-14 inches of rain fell over a wide swath of the two states. The water receded in most places Sunday but continued to rise in a few. Cleanup and damage assessment was only beginning, and could take weeks.

Twenty-five deaths in the two states were blamed on flooding, nearly all of them the result of vehicles driving over flooded roadways. The death toll rose Sunday when the body of a second teenager missing for several days was found near Kincaid, a town of about 1,400 residents along the South Fork Sangamon River near Springfield.

The Mississippi River was receding except in the far southern tip of both states. After that, flooding is expected to worsen in Arkansas, Kentucky, Tennessee and other southern states, though the breadth of the flooding there isn't expected to match what happened in Missouri and Illinois.

Oregon militia standoff: Ranchers due at prison and what else to expect Monday

Oregon Live, January 4, 2015

The two father and son ranchers who triggered a national cry for justice over their convictions for arson were expected today to surrender themselves to federal prison, ending efforts of militants and fellow ranchers to spare them.

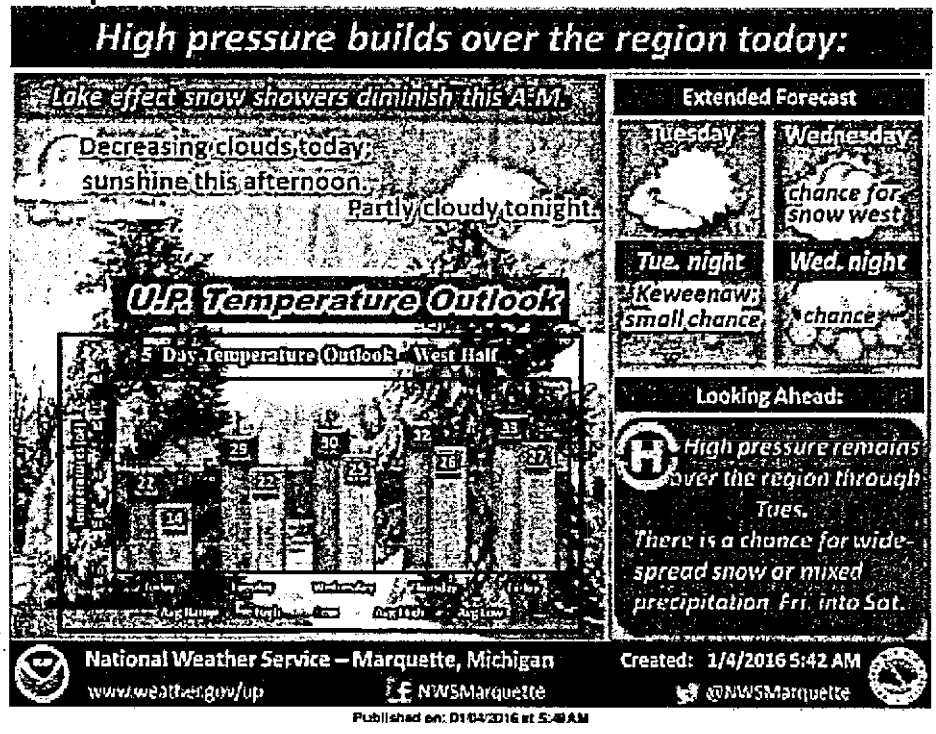
A family friend who asked not to be publicly identified told The Oregonian/OregonLive that Dwight Hammond Jr., 73, and Steven Hammond, 46, left Harney County over the weekend to report. He said they were traveling to California.

Their surrender closes one chapter of a controversial case that has spun into a national drama.

They leave behind a community reeling from the occupation of the Malheur National Wildlife Refuge, a sweeping reserve southeast of Burns. Militants, including the three sons of Nevada rancher Cliven Bundy, took over the empty headquarters compound on Saturday, insisting they will stay until federal land is returned to private ownership.

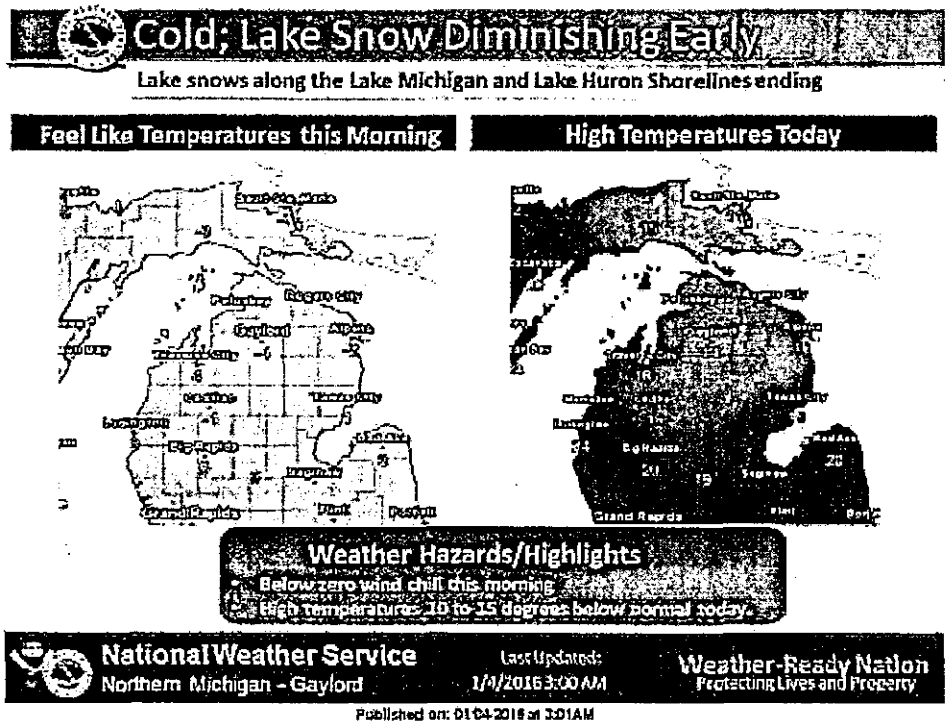
NATIONAL WEATHER SERVICE FORECASTS

Marquette



Published on: 01/04/2016 at 5:48 AM

Gaylord



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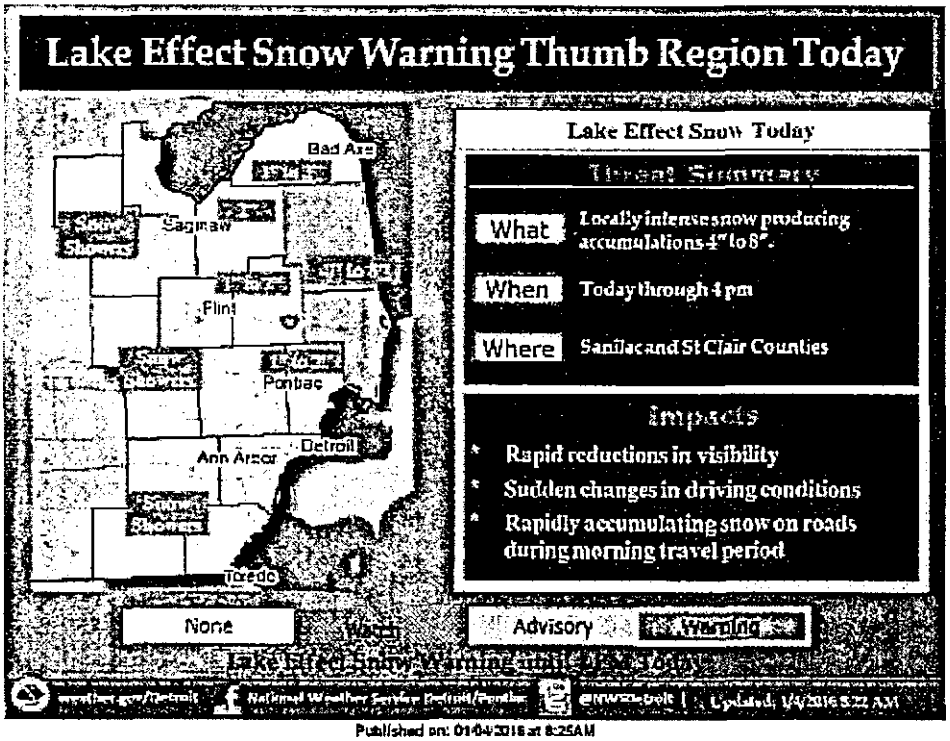
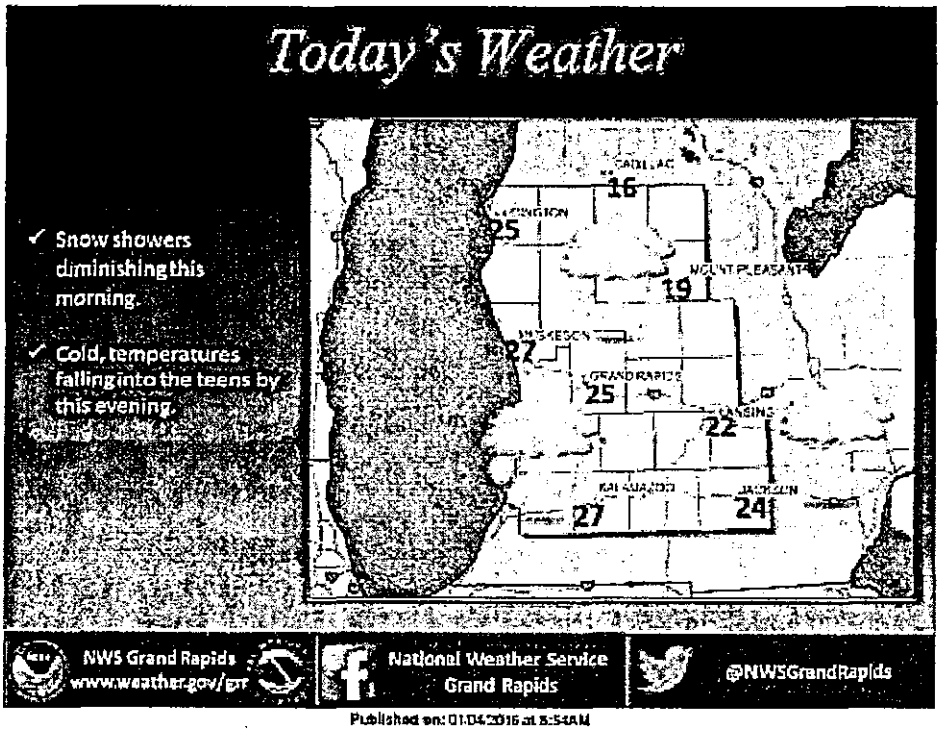
Detroit



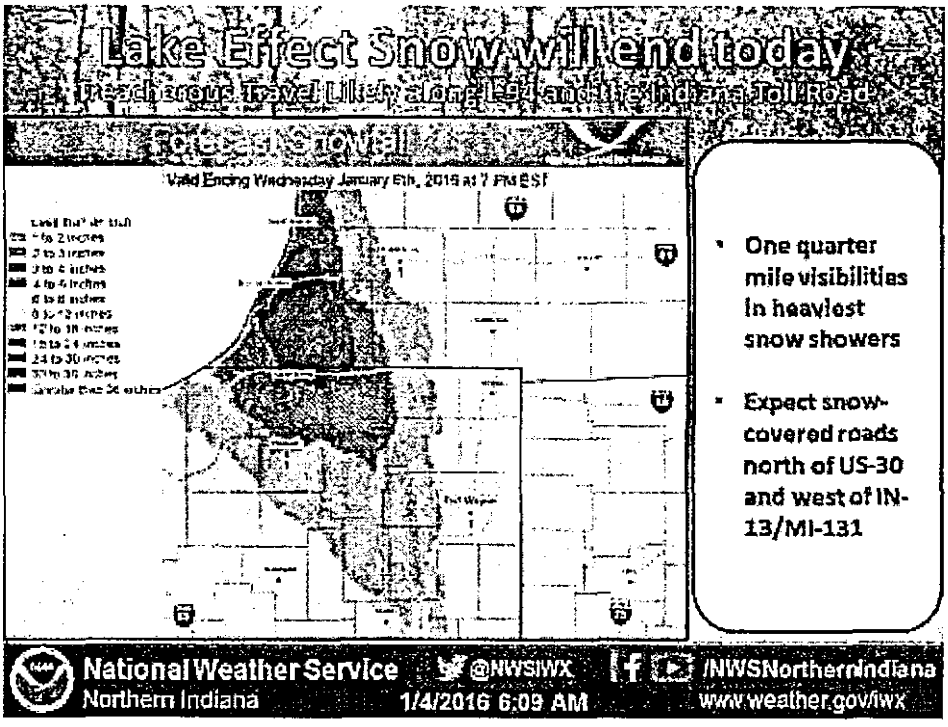
Published on: 01/04/2016 at 8:25AM

Grand Rapids

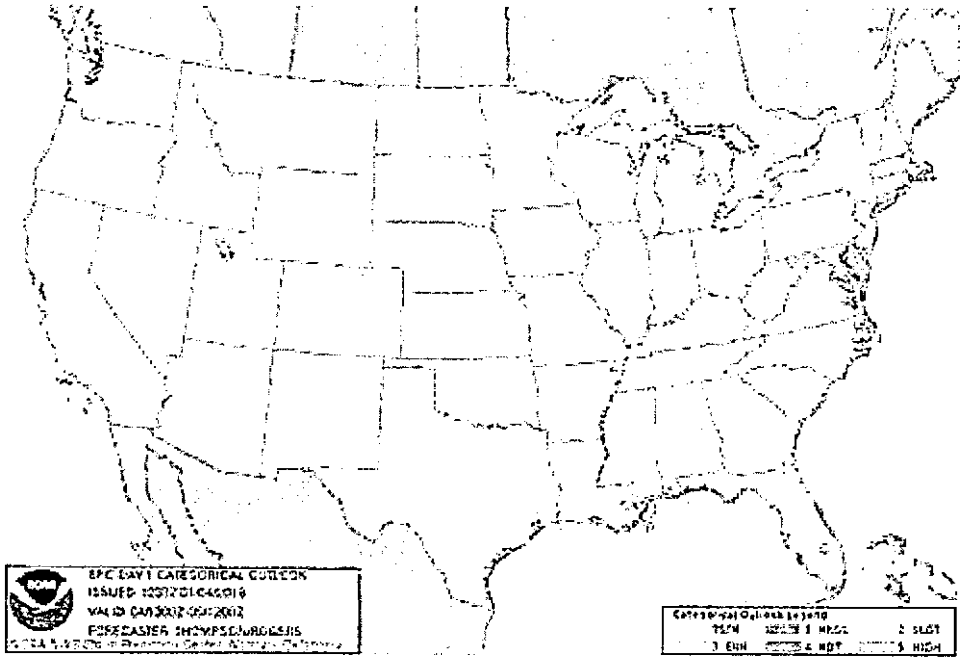


Published on: 01/04/2016 at 8:54AM

Northern Indiana



Storm Prediction Center – Day 1 Outlook



TV/Radio Clips

Genesee County declare emergency

WNEM-TV 5 in Flint/Saginaw, January 4, 2015

http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=0fcf32b6-4843-4c34-8f03-847f734eeb05

Disaster declaration headed to Governor

ABC12 in Flint, January 4, 2015

http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=1f54e81e-b520-48d8-9745-8341fc025665

Social Media

Twitter

The Flint Journal @flintjournal

Emergency declared: Flint water crisis request now heading to Gov. Rick Snyder: bit.ly/1Pb62V5 #FlintWater pic.twitter.com/wl0w1peaMD

Progress Michigan @ProgressMich

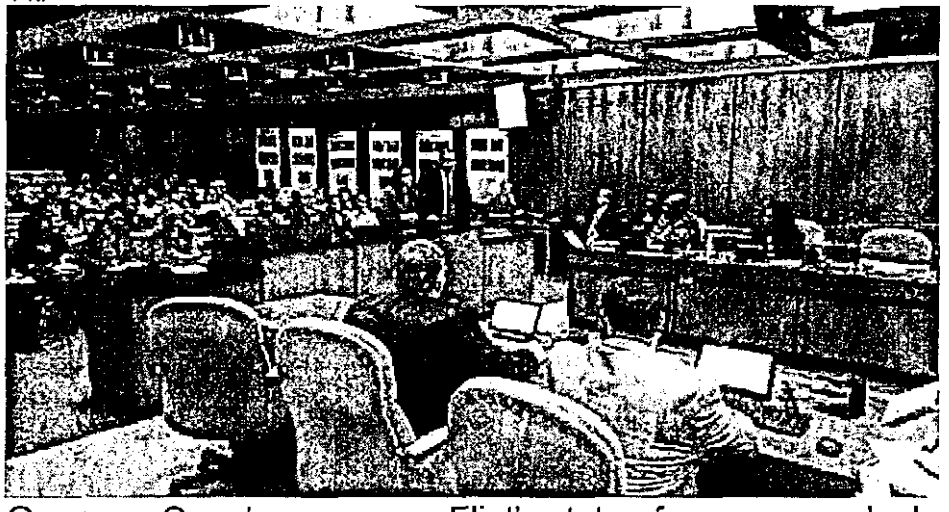
.@metrotimes: Gov. Snyder bears ultimate responsibility for #FlintWaterCrisis bit.ly/1O6jg5n #BlackLivesMatter

FlintPoliceOps @FlintPoliceOps

URGENT - State of Emergency declared in Flint and Genesee County, MI over toxic water supplies #StateofEmergency... fb.me/MC5ZwRYY

Facebook

WNEMTV5news
1 hr ·



Genesee County agrees on Flint's state of emergency declaration

Mid-Michigan's largest city is dealing with an ongoing water crisis.
WNEM.COM|BY BRIANNA OWCZARZAK, RONNIE DUNCAN

MLive.com
2 hrs ·
"We're not going to be ignored. We're going to get the help that these people need." – Genesee County Board of Commissioners Chairman Jamie Curtis

Flint water crisis emergency declaration heading to Gov. Snyder

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MLIVE.COM

Erin Brockovich
2 hrs ·
Governor Snyder needs to issue this emergency declaration. An Executive branch of government's declaration of an "emergency" sends a strong message. Flint is in a state of emergency, children are suffering and all the resources available must be deployed to insure the immediate and ongoing safety of this community's children. Not declaring an emergency at this point would be a purely political move.

MEDIA MONITORING REPORT

1/4/2016

Issues:

- No issues to report.

Summary:

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County commissioners to take up Flint water action plan 4
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Weaver is scheduled to sit down with Gov. Snyder on Thursday. It will be up to the governor to decide whether Flint's water problems can be submitted to the Obama administration for a federal disaster declaration.

Weaver plans to travel to Washington later this month to meet with federal officials.

State Rep. Sheldon Neeley calls out, on governor for help over Flint water

MLive, January 3, 2016

FLINT TWP, MI -- A booming rendition of the spiritual hymn "Wade in the Water" set the tone Sunday morning for what was to come during a service at the Unitarian Universalist Congregation of Flint.

The service included guest speaker Sheldon Neeley, the 34th District state House Representative from Flint, who took a hard stance against Gov. Rick Snyder and what he felt was the emergency manager's role over the water issue in Flint.

"Governor Snyder provided an apology," said Neeley to around 50 people seated in the audience. "Thank you for those words, Governor, but an apology is worthless unless your actions follow."

Neeley said the water issues stemmed from an emergency manager in place at the city.

County commissioners to take up Flint water action plan

Michigan Radio, January 3, 2016

Flint's plan to recover from its drinking water problems goes to the Genesee County commission Monday morning.

The city's use of the Flint River for its drinking water damaged the city's pipes, and exposed thousands of people to high levels of lead. The city switched back to Detroit water last Fall. But city residents are still being told to use water filters.

Mayor Karen Weaver is asking the county commission to give its OK to Flint's plan to fix the problem.

Open Letter to Gov. Rick Snyder: Too Late to Apologize About Flint's Water Crisis

DailyKos, January 4, 2016

Should Apologies be Accepted When The Act Was Intentional? Should Apologies Present Sense of Instant Relief -- Regardless if a Long List of Repeated Cover Ups Are Revealed?

What About Standards?

Should a Governor Who Set His Standards So High He Proudly Signed A Bill Twice Over Ensuring Full Control of Cities, Townships, Villages, Counties and School Districts-- That Fails To Meet His High Standards -- Be Easily Forgiven With an "Apology" for Allowing Flint's Residents to Drink Toxic Water for years on end?

Governor Rick Snyder, the answer is a resounding no. No, Flint Residents should not accept your "apology" nor should they --- as YOU continued structure that allowed for repeated lies about safety of the water.

Lead Poisoning In Michigan Highlights Aging Water Systems Nationwide

WBEZ-FM 91.5 (Chicago), January 4, 2016

Gov. Rick Snyder of Michigan apologized this week for how the water crisis in Flint has been handled. Residents there were exposed water with high levels of lead for months after the city switched water suppliers. The city has since switched back to the Detroit water system.

Snyder also said the state has to learn from Flint, as many other cities in Michigan also have an aging infrastructure.

Robert Puentes, director of the Metropolitan Infrastructure Initiative at the Brookings Institution, tells NPR's Scott Simon that the problem of aging water systems plagues many suburbs and smaller cities in the United States.

Editorial: Poisoned children are an outrage in Michigan – but not New Jersey?

Star-Ledger (Newark, New Jersey), January 3, 2016

Imagine if thousands of children were being poisoned, in many cases causing permanent brain damage. Parents would be in a state of panic. The headline would be stripped across every news channel.

That's what's happening in Michigan. The mayor of Flint has declared a state of emergency to address lead poisoning in the city's water supply. The proportion of children with elevated lead in their blood has nearly doubled, putting them at risk of irreversible cognitive damage. Two top officials have resigned. Now, the governor is apologizing.

Except that thousands of children are being poisoned in New Jersey, too, and there is no public outcry. Thousands more will fall victim next year, and we'll hear hardly a peep about it. Worst of all, our public officials saw all this coming, and could have saved many of these children. But they didn't, because it wasn't a priority.

Sorry kids, but you're going to have to live with brain damage, because Chris Christie and his predecessors had budget gaps to fill.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

March aims to shut down Michigan Avenue in Dearborn

Detroit Free Press, January 1, 2016

Civil rights groups are planning to march and shut down a stretch of Michigan Avenue Monday night to demand justice in the December fatal shooting of an unarmed Detroit man by a Dearborn police officer.

The march will begin at 6:30 p.m. at Michigan Avenue and Greenfield in the Kroger parking lot in Dearborn and continue a few blocks to the Dearborn Police Department, organizers said. The event is being organized by the National Action Network. Community organizations such as Take On Hate and Black Lives Matter are planning to participate.

Kevin Matthews, a 35-year-old Detroit resident, was shot multiple times Dec. 23 on Detroit's west side by a Dearborn police officer following a foot chase. The shooting is being investigated by Detroit police, who did not immediately return a call for comment Sunday.

New rules to improve emergency response time

Hillsdale Daily News, January 1, 2016

HILLSDALE — The Michigan State Police have enacted new rules that require all Multi-Line Telephone Systems (MLTS) or Private Branch Exchange (PBX) phones systems in Michigan to provide accurate locations for phones when a user dials 911.

The rules went into effect on Dec. 31, 2015.

"(The Michigan State police) have been pushing for that for a long time," Doug Sanford, emergency management director and Hillsdale 911 director, said.

Sanford said that the location of the 911 caller is vital for a quick response.

Sanilac putting $900K into emergency center

Port Huron Time-Herald, January 3, 2106

Sanilac County could invest nearly $1 million to renovate a 9,840-square-foot building in Sandusky to relocate multiple departments to a space officials say better suits their needs.

Administrator Kathy Dorman said departments including buildings and grounds and Central Dispatch have run into space issues, making the move priority for the county.

The exterior of the county-owned building at 95 Dawson St. — that officials have pegged its new Emergency Operations and Training Center — will remain largely as is, but Dorman said its interior will receive "quite extensive" remodeling.

She said that includes removing or rearranging walls and installing a new roof, heating and cooling system and security system.

Illinois, Missouri assess damage, cleanup after flooding

Associated Press, January 4, 2015

KINCAID, Ill. (AP) - Sharon Stivers mustered a smile as a visitor walked into her muddy yard.

"Welcome to my flood sale," Stivers joked, nodding to a tall stack of water-soaked furniture, appliances and belongings pulled from her home and piled high by the road in the flat central Illinois town of Kincaid. "You can have the whole thing for 50 cents."

The Mississippi River and most other waterways in Missouri and Illinois flooded last week after 10-14 inches of rain fell over a wide swath of the two states. The water receded in most places Sunday but continued to rise in a few. Cleanup and damage assessment was only beginning, and could take weeks.

Twenty-five deaths in the two states were blamed on flooding, nearly all of them the result of vehicles driving over flooded roadways. The death toll rose Sunday when the body of a second teenager missing for several days was found near Kincaid, a town of about 1,400 residents along the South Fork Sangamon River near Springfield.

The Mississippi River was receding except in the far southern tip of both states. After that, flooding is expected to worsen in Arkansas, Kentucky, Tennessee and other southern states, though the breadth of the flooding there isn't expected to match what happened in Missouri and Illinois.

Oregon militia standoff: Ranchers due at prison and what else to expect Monday

Oregon Live, January 4, 2015

The two father and son ranchers who triggered a national cry for justice over their convictions for arson were expected today to surrender themselves to federal prison, ending efforts of militants and fellow ranchers to spare them.

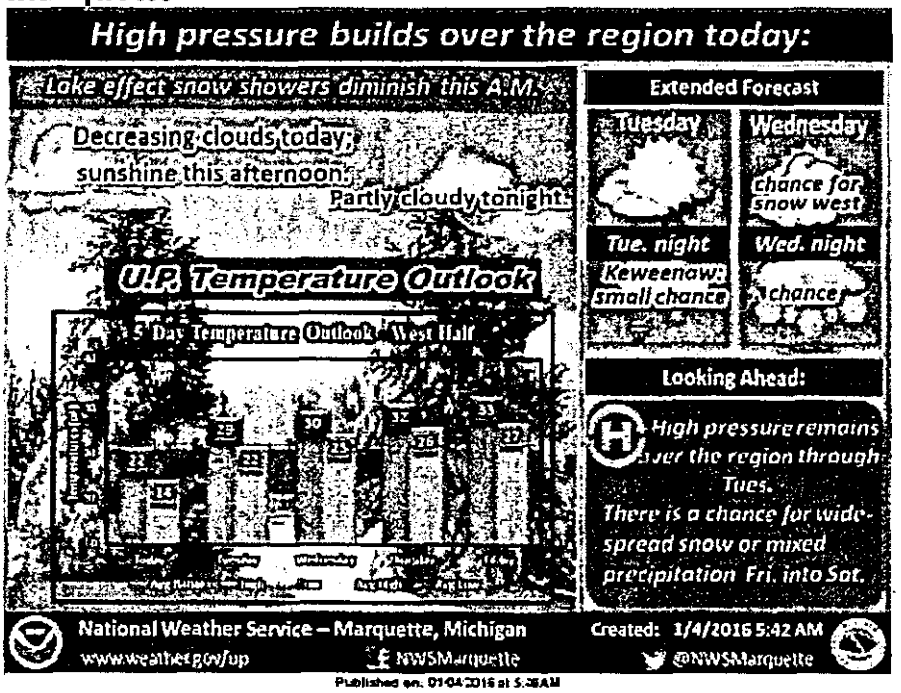
A family friend who asked not to be publicly identified told The Oregonian/OregonLive that Dwight Hammond Jr., 73, and Steven Hammond, 46, left Harney County over the weekend to report. He said they were traveling to California.

Their surrender closes one chapter of a controversial case that has spun into a national drama.

They leave behind a community reeling from the occupation of the Malheur National Wildlife Refuge, a sweeping reserve southeast of Burns. Militants, including the three sons of Nevada rancher Cliven Bundy, took over the empty headquarters compound on Saturday, insisting they will stay until federal land is returned to private ownership.

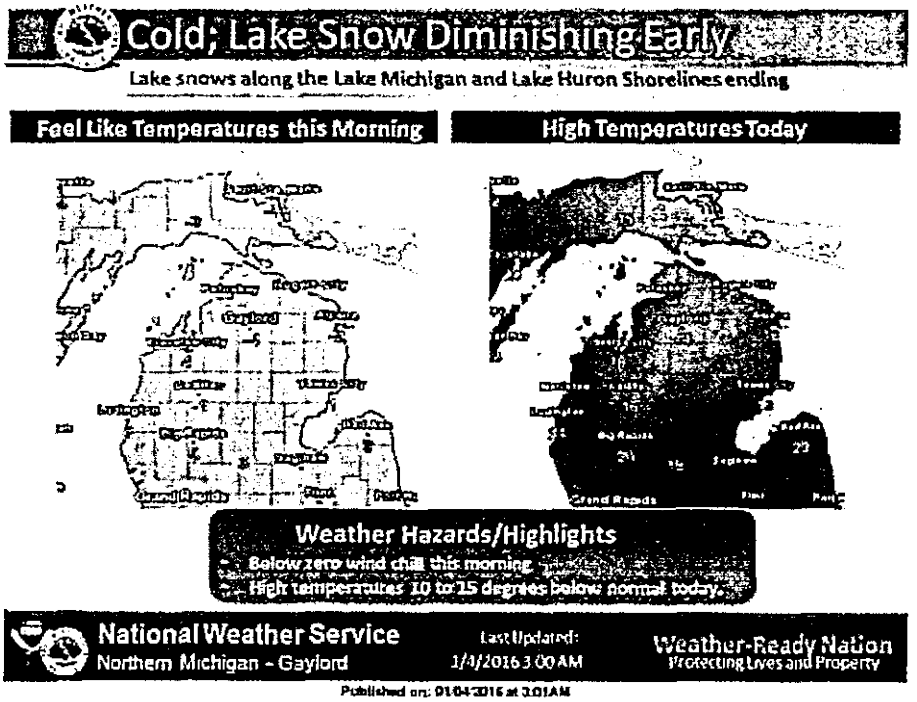
NATIONAL WEATHER SERVICE FORECASTS

Marquette



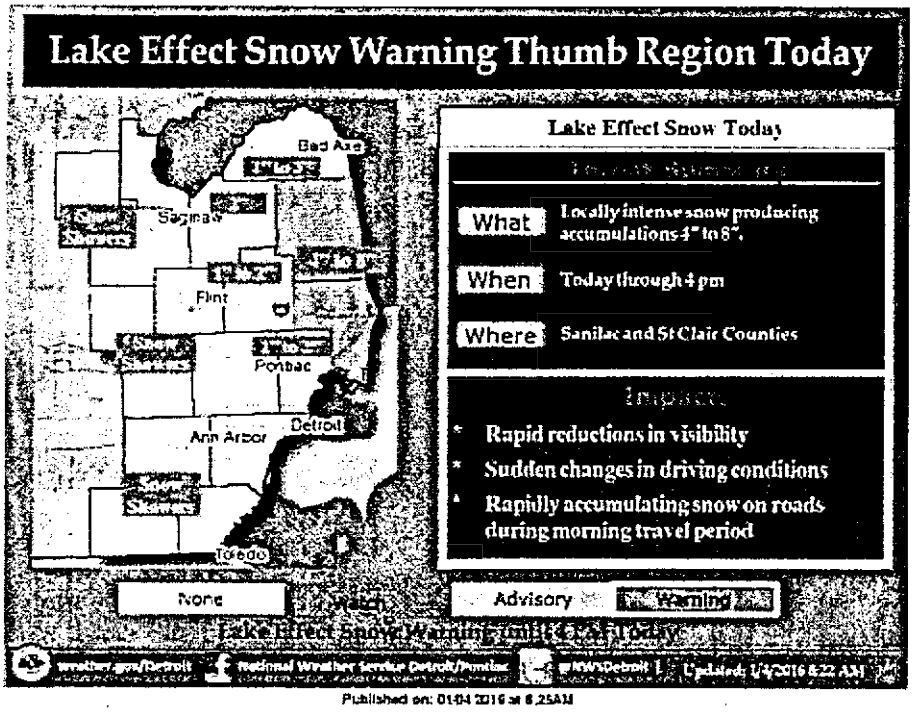
Published on: 01/04/2016 at 5:38AM

Gaylord

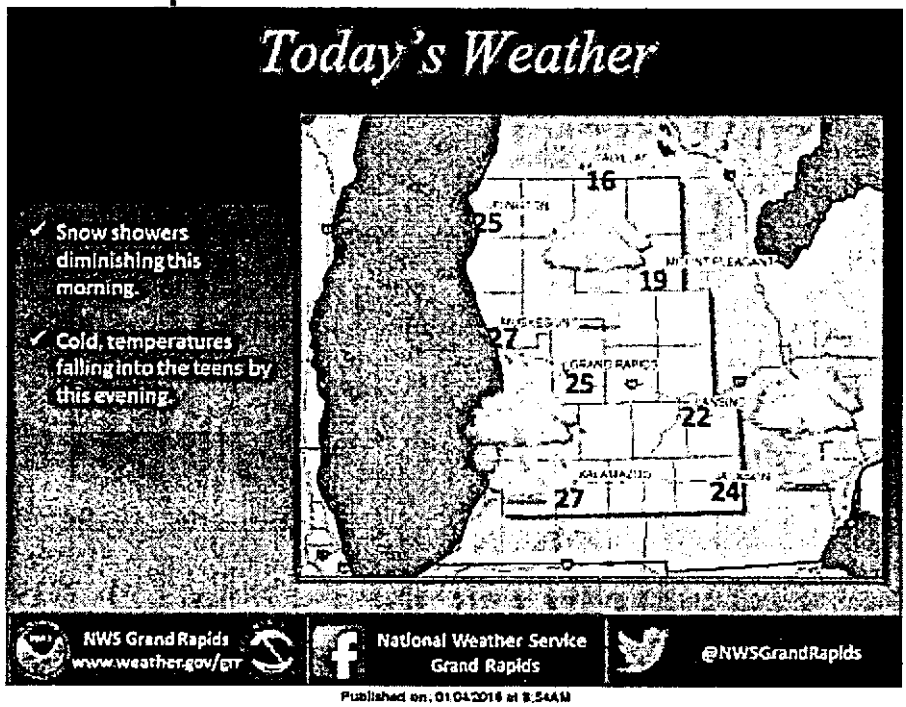


Published on: 01/04/2016 at 3:01AM

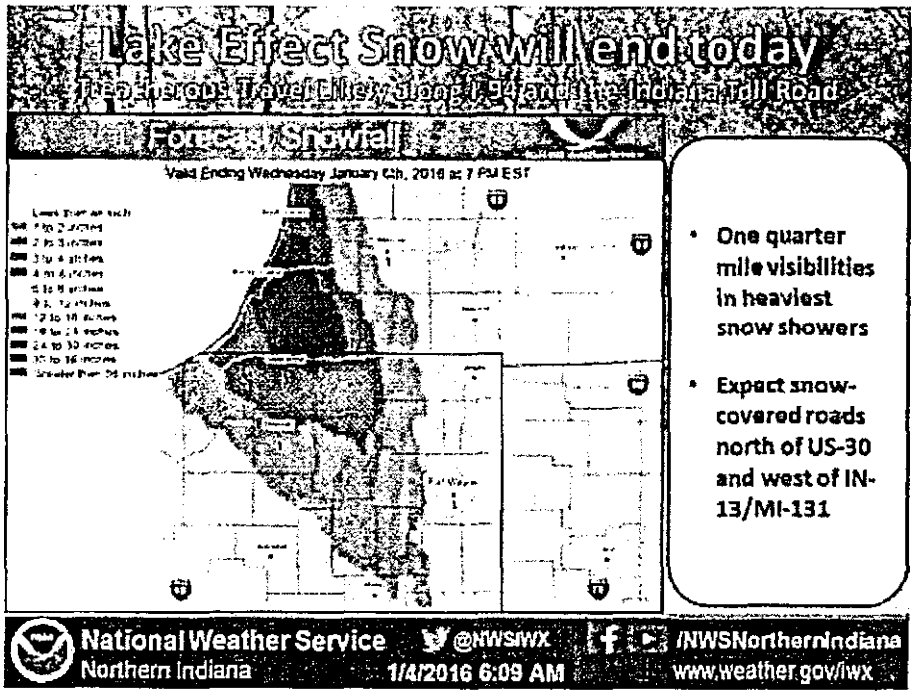
Detroit



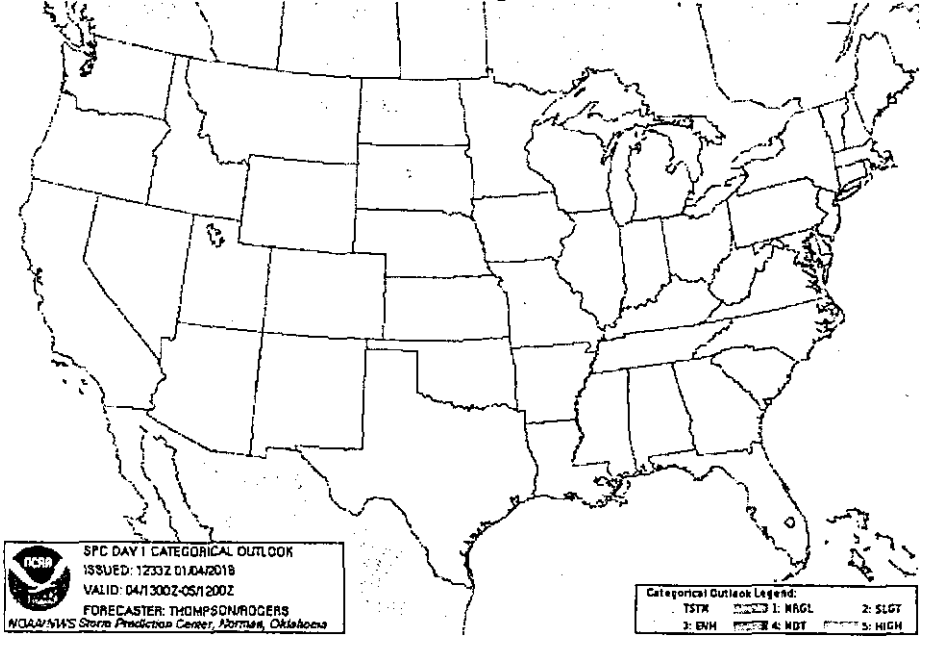
Grand Rapids



Northern Indiana



Storm Prediction Center – Day 1 Outlook



TV/RADIO CLIPS

Genesee County declare emergency

WNEM-TV 5 in Flint/Saginaw, January 4, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=0fcf32b6-4843-4c34-8f03-847f734eeb05

Disaster declaration headed to Governor

ABC12 in Flint, January 4, 2015

http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=1f54e81e-b520-48d8-9745-8341fc025665

SOCIAL MEDIA

Twitter

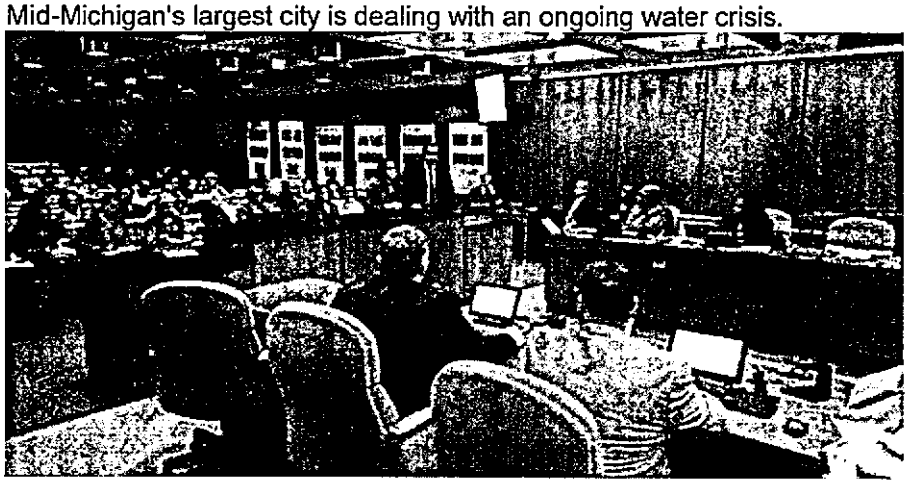
The Flint Journal @flintjournal
Emergency declared: Flint water crisis request now heading to Gov. Rick Snyder: bit.ly/1Pb62V5 #FlintWater pic.twitter.com/wl0w1peaMD

Progress Michigan @ProgressMich
.@metrotimes: Gov. Snyder bears ultimate responsibility for #FlintWaterCrisis bit.ly/1O6jg5n #BlackLivesMatter

FlintPoliceOps @FlintPoliceOps
URGENT - State of Emergency declared in Flint and Genesee County, MI over toxic water supplies #StateofEmergency... fb.me/MC5ZwRYY

Facebook

WNEMTV5news
1 hr ·
Mid-Michigan's largest city is dealing with an ongoing water crisis.



Genesee County agrees on Flint's state of emergency declaration
Mid-Michigan's largest city is dealing with an ongoing water crisis.
WNEM COM|BY BRIANNA OWCZARZAK, RONNIE DUNCAN

MLive.com

2 hrs ·

"We're not going to be ignored. We're going to get the help that these people need." – Genesee County Board of Commissioners Chairman Jamie Curtis

Flint water crisis emergency declaration heading to Gov. Snyder

The chairman of the Genesee County Board of Commissioners has declared a state of emergency in Flint because of lead in the city's water supply.
MLIVE.COM

Erin Brockovich

2 hrs ·

Governor Snyder needs to issue this emergency declaration. An Executive branch of government's declaration of an "emergency" sends a strong message. Flint is in a state of emergency, children are suffering and all the resources available must be deployed to insure the immediate and ongoing safety of this community's children. Not declaring an emergency at this point would be a purely political move.

Sobocinski, Mike (MSP)

From:	MSP-EMHSD-NEWS
Sent:	Monday, December 28, 2015 11:11 AM
To:	MSP-EMHSD-NEWS
Subject:	Media Monitoring Report -- Dec. 28, 2015
Attachments:	Media Monitoring - 2015.12.28.pdf

MEDIA MONITORING REPORT

12/28/2015

Issues:

- No issues to report.

Summary:

- The National Weather Service has issued a winter storm warning for most of Michigan Monday.
- The National Weather Service has issued a Winter Storm Warning through Tuesday morning for Montcalm, Gratiot, Ionia, Clinton, Barry, Eaton and Ingham Counties.
- High winds and the resulting damage caused a number of scattered power outages in the Lansing area overnight on Dec. 24.
- After a strong wind storm overnight on Dec. 24, Consumers Energy reported 91,000 homes and businesses were without power.
- Crews continued restore power to thousands of homes and businesses in Michigan that lost electricity during severe storms before Christmas.
- Strong winds and freezing rain are expected to hit Michigan Monday afternoon, possibly bringing widespread power outages just days after utility crews restored electricity for tens of thousands of residents left in the dark following a Christmas Eve storm.
- Less than a week after hundreds of thousands of customers were left in the dark following a powerful Christmas Eve windstorm, preparations are underway for another storm expected Monday that could bring high winds and ice with the potential of knocking power out once again for many across the state.
- An EF-1 tornado swept through a portion of Canton Township on Wednesday, the National Weather Service confirmed Thursday.
- The EF-1 tornado in Canton Township is the first December tornado in Michigan history and only the third during the winter season.
- The Michigan State Police and the Emergency Management and Homeland Security Division are encouraging residents and visitors to prepare for a hazardous winter storm.
- Emergency Management officials in western Michigan are warning residents to prepare for a storm that is forecast to bring freezing rain and high winds.
- Michigan Gov. Rick Snyder told a Northern Michigan news station that Flint's water problem is his office's "greatest challenge."
- U.S. Rep. Dan Kildee took to the Rachel Maddow show to continue his call for the state to create a health fund to help Flint's youngest residents potentially affected by the city's water crisis.

- National Weather Service forecast updates.
- TV clips: Confirmed: Tornado hit in Canton Township; Tips to prepare for icy commute.

Analysis:

- Media coverage is neutral.
- Media outlets covering winter storm alerts throughout Michigan as severe winter weather is expected to hit Monday.
- Multiple media outlets reported on Michigan State Police encouraging citizens to prepare for hazardous winter storm Monday.
- The National Weather Service has confirmed an EF-1 tornado touched down in Canton Township on Dec 23.
- Coverage continues on Flint water issues.
- Will continue to monitor the situation.

Michigan Weather
Winter weather alerts in effect for Mid-Michigan
Winter storm warning for much of West Michigan Monday
Sleet and freezing rain moving in today
Winter storm warning in effect for northern Michigan
High winds cause mid-Michigan power outages overnight
91,000 without power in Michigan; some won't be back on for Christmas
Power restoration continues for some after severe storms
On heels of Christmas Eve storm, Consumers Energy officials brace for outages Monday
Power crews wrap up restoration, prepare for coming ice storm
Canton Township Tornado
National Weather Service confirms EF-1 tornado in Canton
First December tornado on record for Michigan
Emergency Management and Homeland Security
Michigan State Police warn residents of hazardous winter storm
State Police urge preparation ahead of 'hazardous winter storm'
Emergency Management officials urge western Michigan residents to prepare for winter storm
Flint Water
Gov. Snyder calls Flint water issue 'greatest challenge' during interview
Congressman calls for state water crisis health fund on Rachel Maddow show
Flint water probe may unleash flood of findings on mistakes
National Weather Service Forecasts
Marquette
Gaylord
Detroit
Grand Rapids
Northern Indiana
Storm Prediction Center – Day 1 Outlook
TV/Radio Clips
Confirmed: Tornado hit Canton Township
Tips to prepare for icy commute
Social Media
Twitter
Facebook

MICHIGAN WEATHER

Winter weather alerts in effect for Mid-Michigan

WNEM, December 28, 2015

SAGINAW COUNTY, MI (WNEM) - Heading into your workweek, we're expecting a winter storm to move through Mid-Michigan that could have caused some travel headaches, along with power outages. We currently have several winter weather alerts in effect. They are listed below.

WINTER STORM WARNING: Clare, Isabella, Gratiot from 10 AM Monday through 6 AM Tuesday.

WINTER STORM WARNING: Alcona, Arenac, Gladwin, Iosco, Ogemaw and Roscommon from 3 p.m. Monday through 5 a.m. Tuesday.

WINTER STORM WARNING: Bay, Huron, Midland, Saginaw, Sanilac and Tuscola from 2 p.m. Monday through 3 a.m. Tuesday.

WINTER WEATHER ADVISORY: Genesee, Lapeer, Oakland and Shiawassee from noon Monday through 1 a.m. Tuesday.

Winter storm warning for much of West Michigan Monday

Fox 17, December 27, 2015

WEST MICHIGAN — The National Weather Service has issued a winter storm warning for most of West Michigan Monday.

The following counties will be under the winter storm warning from 10 AM Monday till 6 AM Tuesday: Allegan, Barry, Eaton, Ionia, Kent, Mecosta, Montcalm, Muskegon, Oceana, and Ottawa counties.

Calhoun, Kalamazoo, and Van Buren counties will be under a winter weather advisory from 9 AM Monday till 4 AM Tuesday.

Sleet and freezing rain moving in today

WILX, December 28, 2015

The National Weather Service has issued a Winter Storm Warning through Tuesday morning for Montcalm, Gratiot, Ionia, Clinton, Barry, Eaton and Ingham Counties. The Winter Storm Warning includes the cities of Lansing, St. Johns and Charlotte. A Winter Weather Advisory has been issued through early Tuesday morning for Shiawassee, Livingston, Washtenaw, Lenawee, Calhoun and Jackson Counties. The cities of Jackson and Battle Creek are in the Advisory area. A Freezing Rain Advisory has been issued for Branch and Hillsdale Counties through Monday evening.

A storm system races towards the Great Lakes today. The storm brings strong winds and a lot of moisture. Aloft temperatures will be warm enough for rain, but down at the surface an East wind will pump cold air into Mid-Michigan. This is the perfect set-up for sleet and freezing rain. The freezing rain and sleet will develop from south to north this morning. Computer models are saying ice accumulations could be around in the tenth to quarter inch range in Mid-Michigan. Heavier amounts are possible north and west of Lansing. Lesser amounts are expected south and east of Jackson. Sleet accumulations of around a half inch are possible. The ice teamed up with strong wind gusts near 45 MPH will more than likely cause scattered power outages.

Winter storm warning in effect for northern Michigan

Up North Live, December 28, 2015

A significant winter storm is on the way for Michigan starting this afternoon and ending Tuesday morning. A Winter Storm Warning has been put out that goes into effect at 3pm this afternoon and lasts until Tuesday morning. The main concerns will be dangerous travel due to snow, ice, and sleet accumulations.

A storm system from the Plains will bring a mix of wintry precipitation starting late this afternoon. Ice totals around .10" or less is expected for northern Michigan while greater amounts are expected downstate. Along with the ice, we may see significant snow accumulations in areas up to 10 inches...mainly in the U.P. where the air is colder.

High winds cause mid-Michigan power outages overnight

Lansing State Journal, December 24, 2015

LANSING — High winds and the resulting damage caused a number of scattered power outages in the Lansing area overnight.

Consumers Energy senior communications manager Brian Wheeler said 124 customers in Eaton County were still without power as of 8:45 a.m.

As many as 475 Consumers customers in Eaton County were without power as of 5 a.m., Wheeler said.

Approximately 60 customers in Ingham and Clinton counties were impacted at the peak of the outage.

91,000 without power in Michigan; some won't be back on for Christmas

Fox 17, December 24, 2015

WEST MICHIGAN - Thousands of Michigan residents are without power this Christmas Eve after a strong wind storm overnight.

Winds in some areas topped 60 miles per hour.

More than 300 workers from five different states joined the task of restoring power to area residents.

As of 9:30 p.m., Consumers Energy reported 91,000 homes and businesses are without power. Winds were to subside as the went on, so crews will be out restoring power throughout the week. Due to the damage, some areas may not get power back until Sunday.

Power restoration continues for some after severe storms

Washington Times, December 27, 2015

DETROIT (AP) - Crews continued restore power to thousands of homes and businesses in Michigan that lost electricity during severe storms before Christmas.

About 13,000 of more than 183,000 Consumers Energy customers remained without service Sunday, the utility said.

Thunderstorms followed by winds with gusts topping 60 mph toppled trees, utility poles and power lines across western and northern Michigan on Wednesday and Thursday.

On heels of Christmas Eve storm, Consumers Energy officials brace for outages Monday

MLive, December 27, 2015

Strong winds and freezing rain are expected to hit Michigan Monday afternoon, possibly bringing widespread power outages just days after utility crews restored electricity for tens of thousands of residents left in the dark following a Christmas Eve storm.

A winter storm watch has been issued for much of Michigan starting Monday afternoon and extending into Tuesday morning. Wind gusts of up to 50 mph and a half-inch of ice accumulation are possible, and officials are warning of slick roads, potential power outages and hazardous travel conditions.

"The morning commute is not going to be the worry, because it will still be dry," said Jared Maples, a meteorologist at the NWS in Grand Rapids. "But as we get to the afternoon, it will rapidly deteriorate."

Power crews wrap up restoration, prepare for coming ice storm

Fox 17, December 27, 2015

MICHIGAN — Less than a week after hundreds of thousands of customers were left in the dark following a powerful Christmas Eve windstorm, preparations are underway for another storm expected Monday that could bring high winds and ice with the potential of knocking power out once again for many across the state.

Consumers Energy said while it is wrapping up power restoration in northern Michigan, it is also preparing crews and material for Monday's weather.

"We're getting our crews back to the home headquarters. We're getting them the proper rest that they need and we're literally restocking the trucks with more equipment. We're ready to go so that when mother nature hits, we're gonna hit right back," said Rodger Morgenstern of Consumers Energy.

CANTON TOWNSHIP TORNADO

National Weather Service confirms EF-1 tornado in Canton

MLive, December 24, 2015

An EF-1 tornado swept through a portion of Canton Township on Wednesday, the National Weather Service confirmed Thursday.

The storm damaged buildings at an industrial park on Lilley Road in Canton just before 7 p.m. Dec. 23. Sheet metal and insulation was strewn across the fields and runway at the Canton-Plymouth Mettetal Airport.

National Weather Service officials reached the scene in western Wayne County by 9 a.m. Dec. 24 to make their determination on the tornado.

First December tornado on record for Michigan

Fox 17, December 24, 2015

Canton – A strong storm system moving through the Great Lakes brought the first December tornado on record for Michigan.

The National Weather Service confirms the tornado touched down on Wednesday night in Wayne County at around 6:43 pm and stayed on the ground for about 2 miles.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

Michigan State Police warn residents of hazardous winter storm

Up North Live, December 27, 2015

The Michigan State Police and the Emergency Management and Homeland Security Division are encouraging residents and visitors to prepare for a hazardous winter storm.

The storm is expected to affect northern Michigan Monday and Tuesday.

The National Weather Service is forecasting freezing rain which will likely cause widespread power outages and dangerous traveling conditions.

State Police urge preparation ahead of 'hazardous winter storm'

MLive, December 27, 2015

Michigan State Police are urging residents to prepare for a "hazardous winter storm"Monday, saying the weather could lead to "widespread power outages" and "dangerous traveling conditions."

"Now is the time to prepare for this winter storm," said Capt. Chris A. Kelenske, Deputy State Director of Emergency Management and Homeland Security. "Freezing rain has the ability to be very destructive, causing both long-term power outages and hazardous travel conditions. I strongly recommend anyone who may be affected by this storm to ensure they have enough supplies to last three days per person. Travel may not be possible right away."

Emergency Management officials urge western Michigan residents to prepare for winter storm

Daily Journal, December 28, 2015

GRAND RAPIDS, Michigan — Officials in western Michigan are warning residents to prepare for a storm that is forecast to bring freezing rain and high winds.

Kent County emergency management office in Grand Rapids says a winter storm watch has been issued for Monday afternoon through Tuesday morning.

Emergency Management Coordinator Jack Stewart says wind gusts could reach upward of 50 mph and "could take down trees and power lines."

FLINT WATER

Gov. Snyder calls Flint water issue 'greatest challenge' during interview

MLive, December 25, 2015

FLINT, MI – Michigan Gov. Rick Snyder told a Northern Michigan news station that Flint's water problem is his office's "greatest challenge."

During a recent interview with 9&10 News, Snyder said 2015 was a good year for Michigan but troubles with the Vehicle City's water supply show there are still challenges facing the state.

"The greatest challenge we face was Flint with their water situation," Snyder said during the interview. "We've tried to be very proactive in terms of offering free water testing, free water filters, blood testing, follow-up on medical care, changing over water sources. You always want to improve so I always look at ways for continuous improvement."

Congressman calls for state water crisis health fund on Rachel Maddow show

MLive, December 24, 2015

FLINT, MI – U.S. Rep. Dan Kildee took to the Rachel Maddow show to continue his call for the state to create a health fund to help Flint's youngest residents potentially affected by the city's water crisis.

Kildee, D-Flint Township, appeared on the MSNBC pundit's program Wednesday, Dec. 23, and called on Gov. Rick Snyder to provide funding for a program that would provide continued health assistance for Flint children who have been diagnosed with elevated blood lead levels.

"We need more than an apology and an acknowledgement that they failed," Kildee said of state leaders. "We need them to make it right."

Flint water probe may unleash flood of findings on mistakes

MLive, December 27, 2015

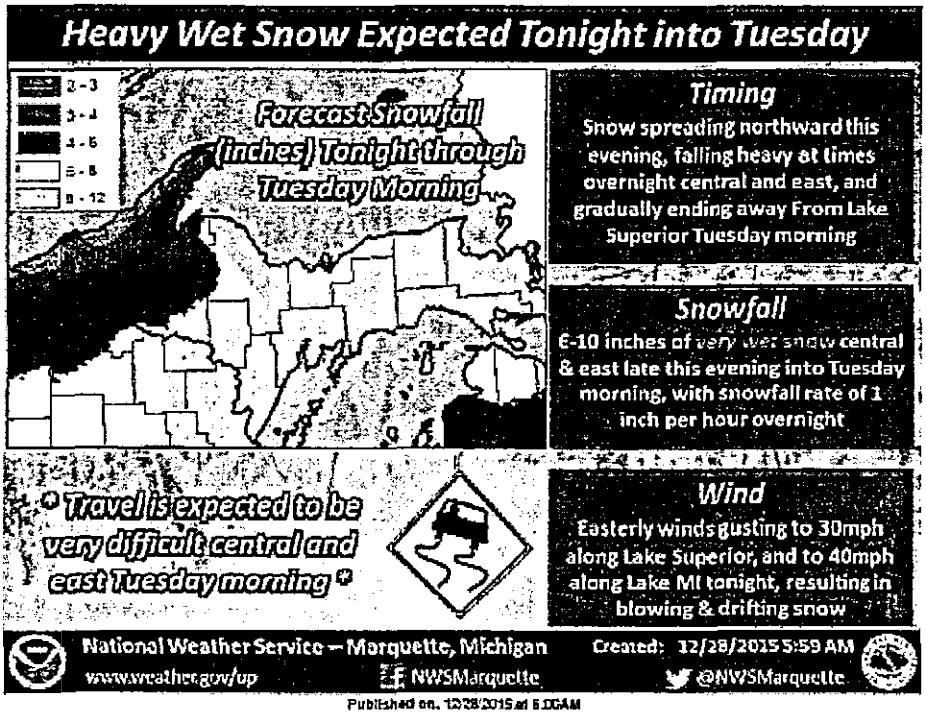
It was very revealing how some readers responded to the post that the first lady thought her husband might die from a blood clot. Instead of reflecting on the gravity of that story, lots of folks wanted to beat up on the governor for allegedly poisoning the kids in Flint with lead.

Make no mistake: The Snyder administration did not experience its finest hour in its handling — critics would say bungling — of the Flint water contamination problem.

Much like the old Watergate hearings, where everyone was asked what they knew and when they knew it, the same penetrating question is being asked about this story.

NATIONAL WEATHER SERVICE FORECASTS

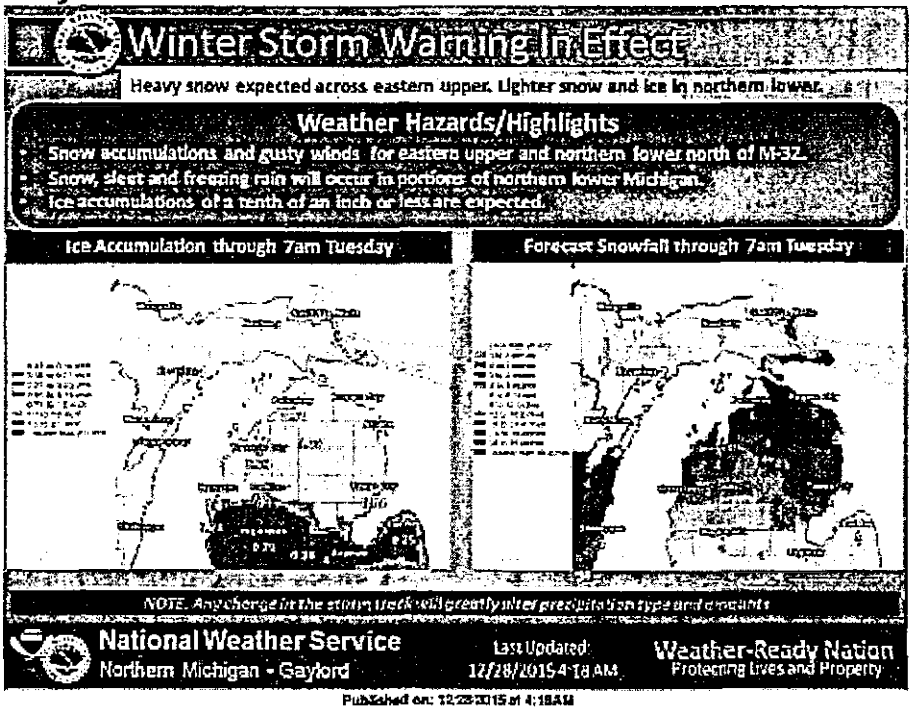
Marquette



Published on: 12/28/2015 at 5:00AM

A strong low pressure system tracking northward from the southern Plains will spread heavy snow across portions of Upper Michigan tonight into Tuesday morning. The snow is expected to be very wet, resulting in treacherous driving conditions late tonight and for the morning commute on Tuesday. In addition, gusty easterly winds will cause widespread blowing snow along the shorelines of Lake Michigan, Green Bay, and Lake Superior.

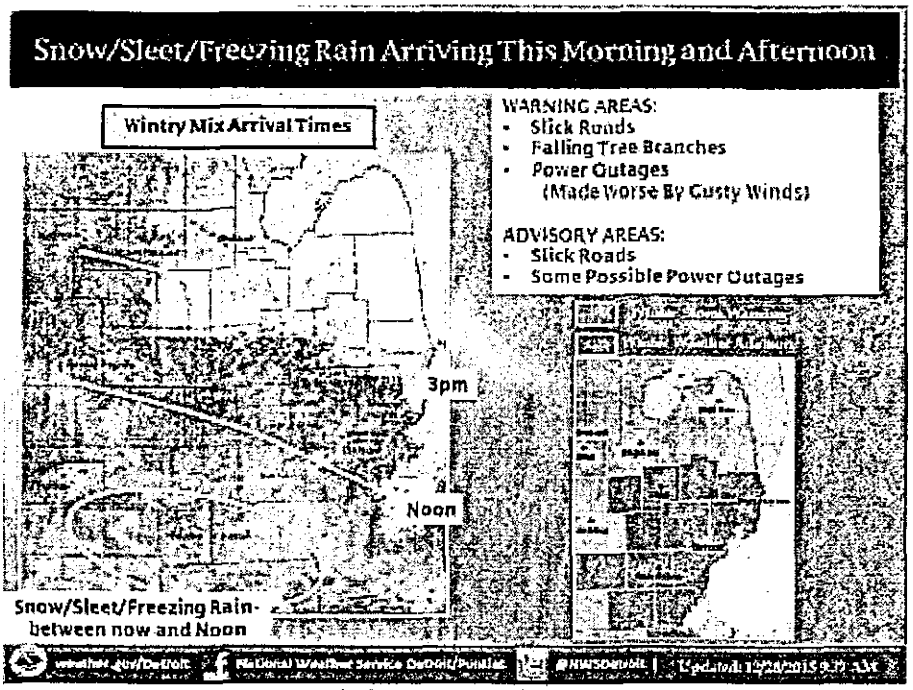
Gaylord



Published on: 12/28/2015 at 4:18AM

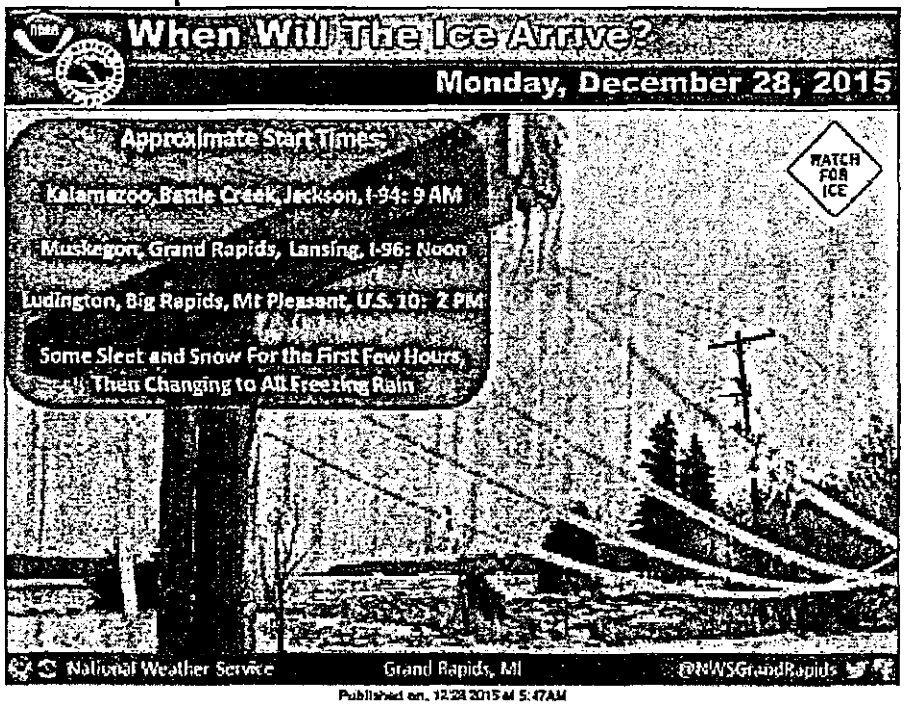
A storm will move out of the Southern Plains and into the Upper Great Lakes by tonight. This will bring a mix of snow, sleet and freezing rain to portions of Northern Michigan, starting late this afternoon and continue overnight. The snow, especially in eastern upper Michigan will have significant accumulations, and with the gusty east wind, blowing and drifting is expected.

Detroit



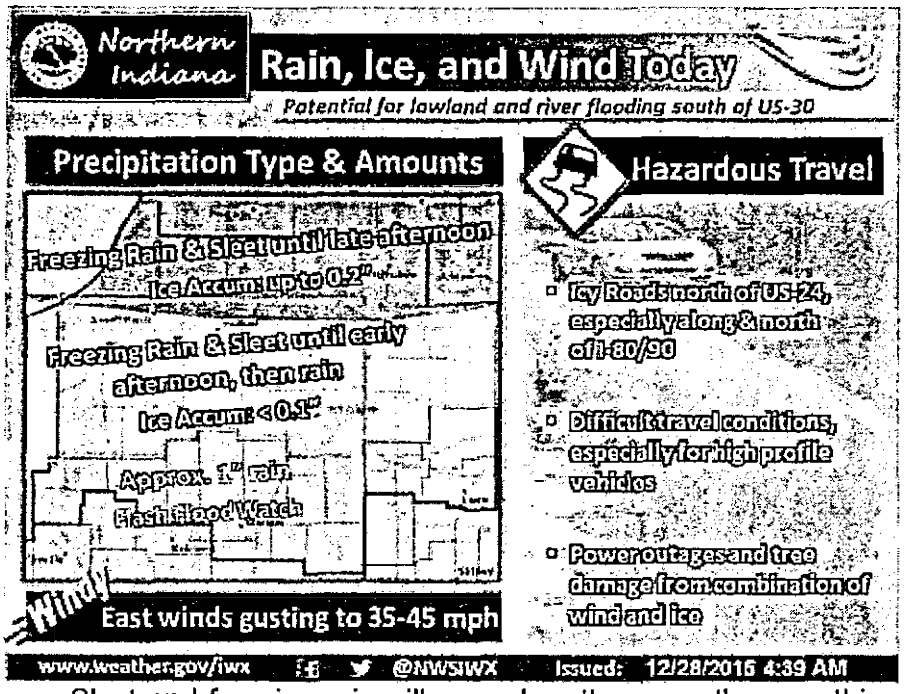
A strong storm system will lift into the Great Lakes tonight. This system will spread warm moist air aloft across the region. Meanwhile...strong high pressure to the north will sustain cold and dry air near the surface. Wintry mix of snow, sleet, and freezing rain will begin in the south through the morning and slowly lift northward through the afternoon. The peak intensity of precipitation will be this afternoon and evening. Warmer air near the surface will lift from south to north this evening into the overnight, slowly transitioning the sleet, snow, and freezing rain over to plain rain.

Grand Rapids



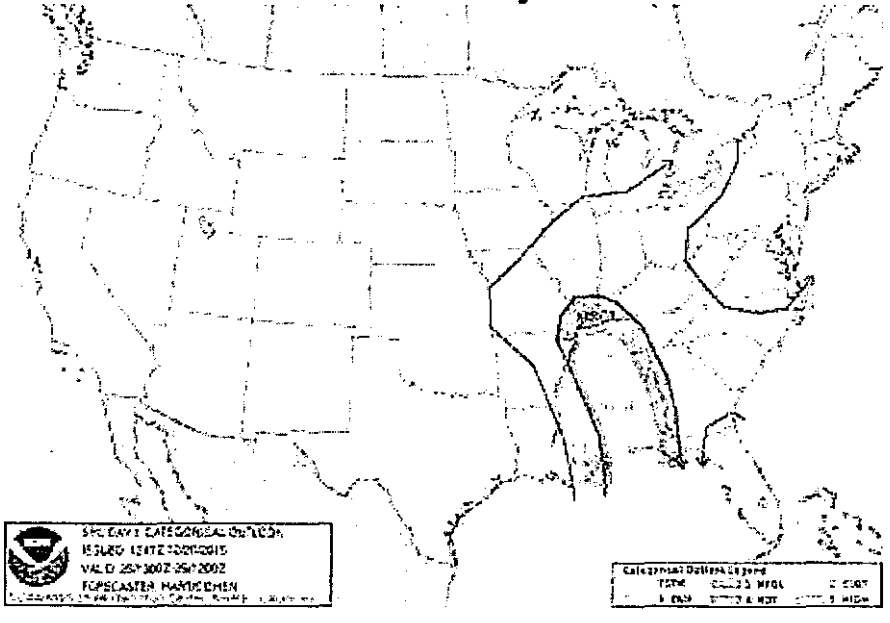
Travel conditions will deteriorate rapidly today as sleet and freezing rain develop.

Northern Indiana



Sleet and freezing rain will spread north across the area this morning and transition to rain from south to north through the day. Any freezing rain will be very brief south of US-24 but icy roads will be possible north of US-24, especially along and north of the toll road where freezing rain will persist through the mid-late afternoon and up to two tenths of accumulation is possible. Strong east winds are also expected this afternoon and evening. East winds gusting to 45 mph could cause tree damage and sporadic power outages, especially in areas that see accumulating ice. Another inch of rain is also expected and this could lead to additional flooding south of US-30 in areas that already saw heavy rain Saturday night.

Storm Prediction Center – Day 1 Outlook



TV/RADIO CLIPS

Confirmed: Tornado hit Canton Township

WDIV-DET (NBC) in Detroit, December 26, 2015

http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=4a40a33b-6202-4d5c-b79d-cb1894260636

Tips to prepare for icy commute

WLAJ (ABC) in Lansing, December 28, 2015

HTTP://MMS.TVEYES.COM/PLAYBACKPORTAL.ASPX?SAVEDEDITID=6306BB7C-8670-450A-84FD-D2AA5941EBF6

SOCIAL MEDIA

Twitter

MLive.com News @michigannews

Flint water probe may unleash flood of findings on mistakes ow.ly/39swxR

Flint News @NewsInFlint

FOIA Request Shows Govt Lied About Lead in Water, Knowingly Poisoning ... - AlterNet alternet.org/news-amp-polit... #Flint

Great Lakes Now @greatlakesnow

ICYMI: Congressman calls for state water crisis health fund on @maddow show s.mlive.com/qffKe4c (via @MLive) pic.twitter.com/zdbUqAKzxi

Clinton County EOC @ClintonCountyEM

Freezing rain is possible today. Keep an eye on the weather and be prepared for possible power outages. pic.twitter.com/0sZrysVRw9

Dearborn Police @DearbornPolice

Winter Weather Advisory in effect from 9 AM this morning to 9 PM EST this evening nixle.us/8TR5W

MichEMHS @MichEMHS

If you must head out, put a kit in your vehicle. It eases the hardship when stranded. 1.usa.gov/1NKNgpx pic.twitter.com/2Y5ceal1ba

MI Prepares @MIPrepares

Do u have a plan for your animals in an emergency? Don't forget to plan for pets- they're family too! ow.ly/V25n4

NWS Grand Rapids @NWSGrandRapids

Plan ahead now, if you haven't already. What if you lose power? #wmwix #miwx pic.twitter.com/DUyXwp2rhr

MichEMHS @MichEMHS

Two great resources if you're heading out today: mi.gov/roadconditions and mi.gov/drive. Be weather aware and prepare.

MichEMHS @MichEMHS

And if you live in Holland: twitter.com/HBPWStorm/stat...

Holland BPW @HBPWStorm

Sleet & freezing rain, ice accumulations & strong winds possible today through tomorrow morning. pic.twitter.com/GJUCpQEhxK

MichEMHS @MichEMHS

Attention Southwest Michigan residents and businesses: twitter.com/IN_MI_Power/st...

I&M @IN_MI_Power

If you lose power, please report it at indianamichiganpower.com/outages/report/ or by calling 1-800-311-4634

DTE Energy

DTE Energy @DTE_Energy

With ice and gusty winds in today's forecast, you can stay up-to-date on any power outages using the DTE Energy App youtu.be/MOqdMpvZdJU

Governor Rick Snyder @onetoughnerd

Reason #12 to celebrate 2015: Proposed criminal justice reform will help build a safer Michigan #ComebackState pic.twitter.com/VXu046NVhD

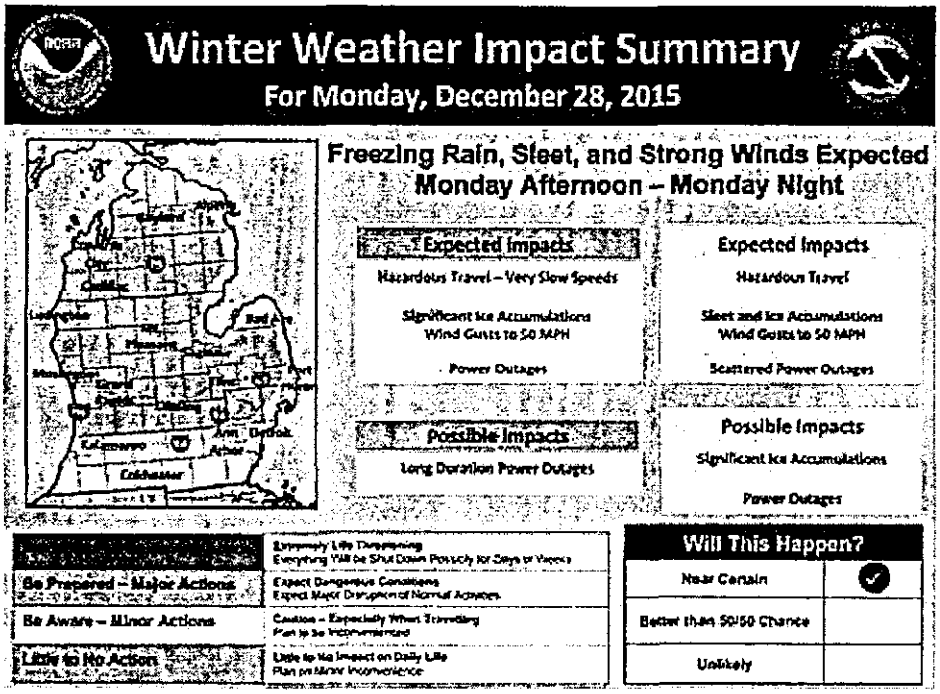
Facebook

Governor Rick Snyder
1 hr ·
Be part of history by helping us design the cover of the 2016 State of the State program!
The deadline to submit a design is Sunday, January 3, and the top five will be posted on Facebook on Tuesday, January 5. Our Facebook audience will then vote for the winner! To learn more, visit http://1.usa.gov/1SbPP7k #MISOTS16

Governor Rick Snyder
17 hrs ·
The Michigan State Police are encouraging residents, especially those in West Michigan, to prepare for an ice storm forecast for Monday through early Tuesday.
"Anyone who may be affected by this storm (should) ensure they have enough supplies to last three days per person," advises Capt. Chris Kelenske, Deputy State Director of Emergency Management and Homeland Security.

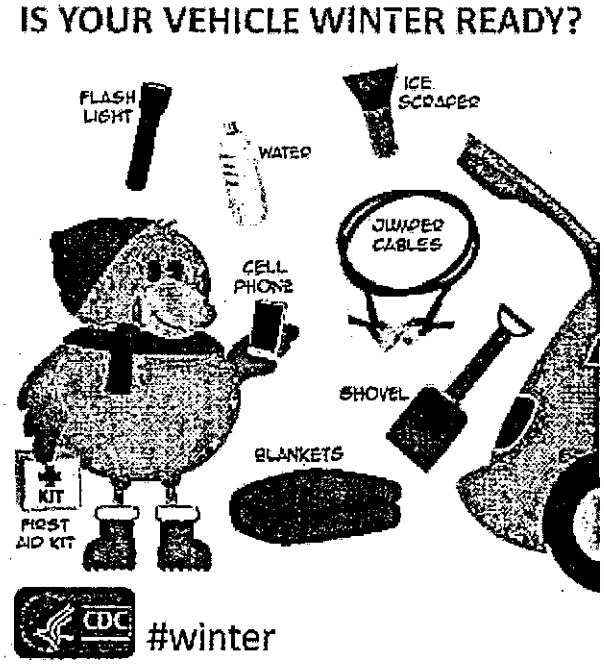
Michigan State Police
2 hrs · Lansing, MI ·
Heading out today? Be weather aware and prepare by having an emergency preparedness kit in your vehicle. Hazardous road conditions are expected this afternoon. Kit info: http://1.usa.gov/1NKNgpx.

Michigan State Police
17 hrs ·
Are you ready? The National Weather Service is forecasting up to a half-inch of ice accumulation in some areas of the Lower Peninsula for Monday, Dec. 28. Now is a good time to prepare – just in case. http://1.usa.gov/22tM29L



Michigan Emergency Management Association (MEMA) shared Calhoun County CERT Team's photo.

19 hrs ·



Grand Traverse County Emergency Management

4 hrs ·

WINTER STORM WARNING goes into effect at 3pm today.

A dangerous winter storm will impact northern Michigan later Monday afternoon into Tuesday.

This storm may bring:

*Ice accumulations up to 1/2 inch to southern parts of the area...

*Snow accumulations of 5 to 9 inches in northern parts of the area

*Gusty east winds of 15 to 30 mph

*Tree damage...power outages and treacherous driving conditions.

BENZIE-GRAND TRAVERSE-KALKASKA-CRAWFORD-OSCODA-ALCONA-MANISTEE-WEXFORD-MISSAUKEE-ROSCOMMON-OGEMAW-IOSCO-GLADWIN-ARENAC-INCLUDING THE CITIES OF...FRANKFORT...TRAVERSE CITY...KALKASKA... GRAYLING...MIO...HARRISVILLE...MANISTEE...CADILLAC...LAKE CITY...HOUGHTON LAKE...WEST BRANCH...TAWAS CITY...GLADWIN...STANDISH

356 AM EST MON DEC 28 2015

...WINTER STORM WARNING IN EFFECT FROM 3 PM THIS AFTERNOON TO 5 AM EST TUESDAY...

THE NATIONAL WEATHER SERVICE IN GAYLORD HAS ISSUED A WINTER STORM WARNING...WHICH IS IN EFFECT FROM 3 PM THIS AFTERNOON TO 5 AM EST TUESDAY.

* EXPECT A WINTRY MIX TO DEVELOP LATE THIS AFTERNOON...AND DIMINISH LATE TONIGHT. SLEET WILL BE THE MOST COMMON TYPE OF PRECIPITATION...THOUGH PERIODS OF SNOW AND FREEZING RAIN CAN ALSO BE EXPECTED.

* THE HEAVIEST PRECIPITATION RATES WILL OCCUR BETWEEN 7 PM THIS EVENING AND 1 AM TUESDAY.

* TOTAL SNOW AND SLEET ACCUMULATIONS OF 1 TO 3 INCHES ARE EXPECTED. ICE ACCUMULATIONS WILL BE A TENTH OF AN INCH OR LESS.

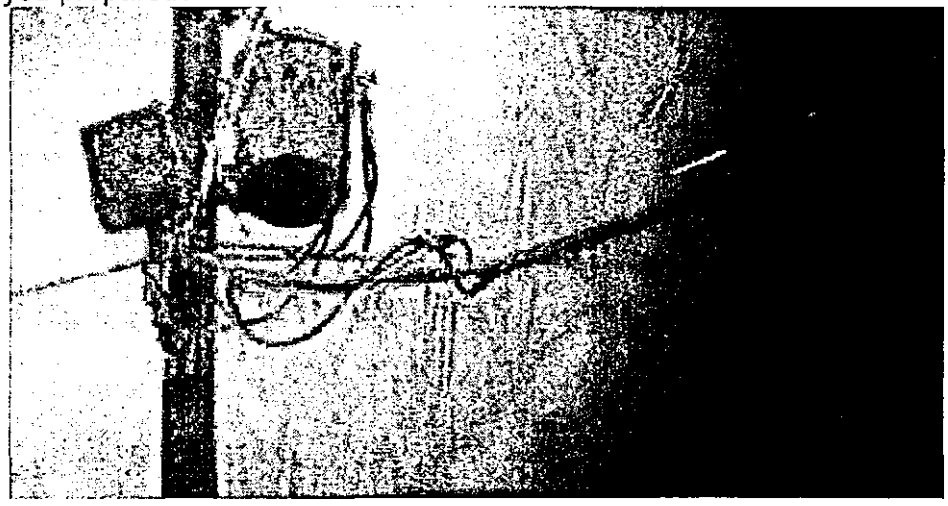
PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WINTER STORM WARNING MEANS SIGNIFICANT AMOUNTS OF SNOW...SLEET...AND ICE ARE EXPECTED. STRONG WINDS ARE ALSO POSSIBLE. THIS WILL MAKE TRAVEL VERY HAZARDOUS OR IMPOSSIBLE.

See More

WLNS-TV
38 mins ·

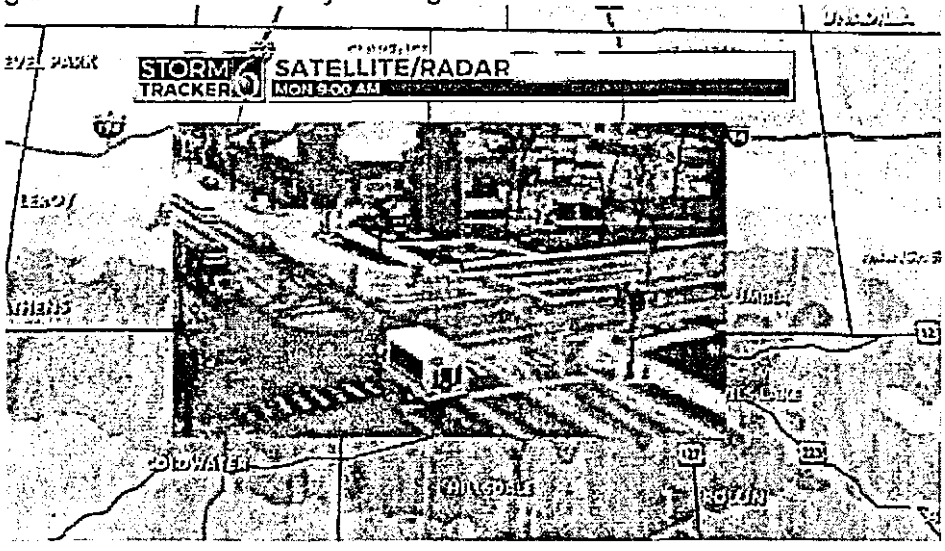
There are still things you can do to prepare for any power outages that might be caused by that icy storm heading our way.
Are you prepared?



Preparing for power outages

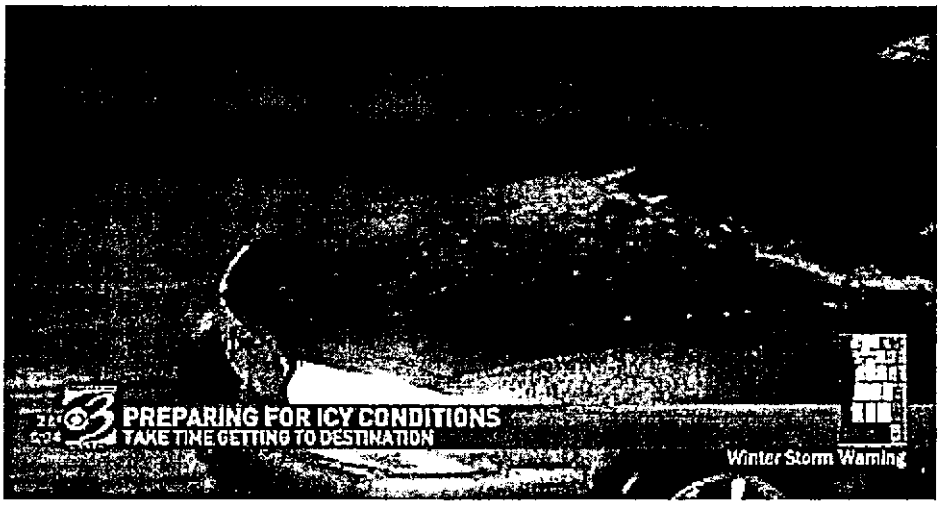
WLNS-TV
51 mins ·

Snow is falling along US-12 in southern Lower Michigan. Here's a look at Coldwater. Freezing rain is falling in Indiana and is slowly moving northward.



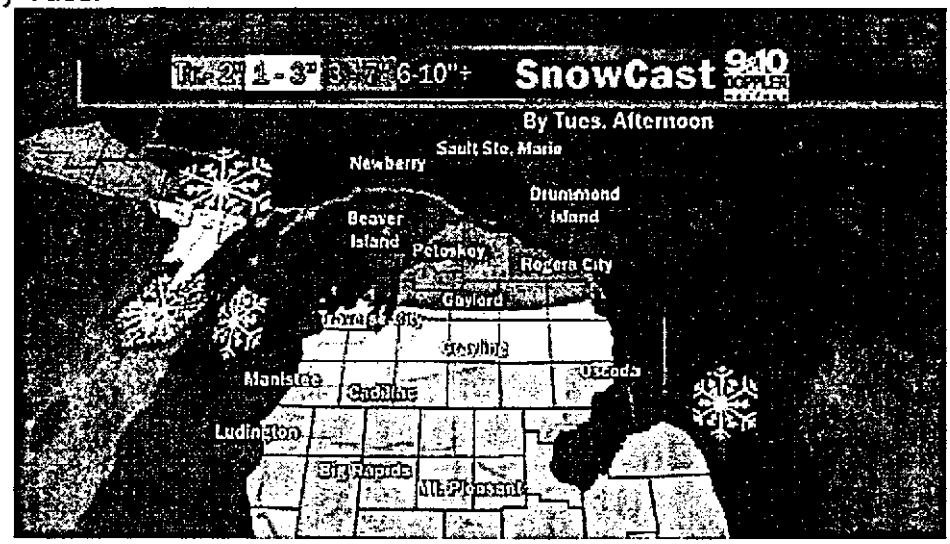
Newschannel 3, CBS News, WWMT, West Michigan
49 mins ·

Snow, sleet and freezing rain are expected to cause treacherous travel throughout West Michigan.



9&10 News
2 hrs ·

Here is the outlook for snow accumulations by Tues. afternoon. The heaviest of the snow falls tonight & early Tues.



MEDIA MONITORING REPORT

12/28/2015

Issues:

- No issues to report.

Summary:

- The National Weather Service has issued a winter storm warning for most of Michigan Monday.
- The National Weather Service has issued a Winter Storm Warning through Tuesday morning for Montcalm, Gratiot, Ionia, Clinton, Barry, Eaton and Ingham Counties.
- High winds and the resulting damage caused a number of scattered power outages in the Lansing area overnight on Dec. 24.
- After a strong wind storm overnight on Dec. 24, Consumers Energy reported 91,000 homes and businesses were without power.
- Crews continued restore power to thousands of homes and businesses in Michigan that lost electricity during severe storms before Christmas.
- Strong winds and freezing rain are expected to hit Michigan Monday afternoon, possibly bringing widespread power outages just days after utility crews restored electricity for tens of thousands of residents left in the dark following a Christmas Eve storm.
- Less than a week after hundreds of thousands of customers were left in the dark following a powerful Christmas Eve windstorm, preparations are underway for another storm expected Monday that could bring high winds and ice with the potential of knocking power out once again for many across the state.
- An EF-1 tornado swept through a portion of Canton Township on Wednesday, the National Weather Service confirmed Thursday.
- The EF-1 tornado in Canton Township is the first December tornado in Michigan history and only the third during the winter season.
- The Michigan State Police and the Emergency Management and Homeland Security Division are encouraging residents and visitors to prepare for a hazardous winter storm.
- Emergency Management officials in western Michigan are warning residents to prepare for a storm that is forecast to bring freezing rain and high winds.
- Michigan Gov. Rick Snyder told a Northern Michigan news station that Flint's water problem is his office's "greatest challenge."
- U.S. Rep. Dan Kildee took to the Rachel Maddow show to continue his call for the state to create a health fund to help Flint's youngest residents potentially affected by the city's water crisis.
- National Weather Service forecast updates.
- TV clips: Confirmed: Tornado hit in Canton Township; Tips to prepare for icy commute.

Analysis:

- Media coverage is neutral.
- Media outlets covering winter storm alerts throughout Michigan as severe winter weather is expected to hit Monday.
- Multiple media outlets reported on Michigan State Police encouraging citizens to prepare for hazardous winter storm Monday.

- The National Weather Service has confirmed an EF-1 tornado touched down in Canton Township on Dec 23.
- Coverage continues on Flint water issues.
- Will continue to monitor the situation.

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Power restoration continues for some after severe storms 4
On heels of Christmas Eve storm, Consumers Energy officials brace for outages Monday 4
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MICHIGAN WEATHER

Winter weather alerts in effect for Mid-Michigan

WNEM, December 28, 2015

SAGINAW COUNTY, MI (WNEM) - Heading into your workweek, we're expecting a winter storm to move through Mid-Michigan that could have caused some travel headaches, along with power outages. We currently have several winter weather alerts in effect. They are listed below.

WINTER STORM WARNING: Clare, Isabella, Gratiot from 10 AM Monday through 6 AM Tuesday.

WINTER STORM WARNING: Alcona, Arenac, Gladwin, Iosco, Ogemaw and Roscommon from 3 p.m. Monday through 5 a.m. Tuesday.

WINTER STORM WARNING: Bay, Huron, Midland, Saginaw, Sanilac and Tuscola from 2 p.m. Monday through 3 a.m. Tuesday.

WINTER WEATHER ADVISORY: Genesee, Lapeer, Oakland and Shiawassee from noon Monday through 1 a.m. Tuesday.

Winter storm warning for much of West Michigan Monday

Fox 17, December 27, 2015

WEST MICHIGAN — The National Weather Service has issued a winter storm warning for most of West Michigan Monday.

The following counties will be under the winter storm warning from 10 AM Monday till 6 AM Tuesday: Allegan, Barry, Eaton, Ionia, Kent, Mecosta, Montcalm, Muskegon, Oceana, and Ottawa counties.

Calhoun, Kalamazoo, and Van Buren counties will be under a winter weather advisory from 9 AM Monday till 4 AM Tuesday.

Sleet and freezing rain moving in today

WILX, December 28, 2015

The National Weather Service has issued a Winter Storm Warning through Tuesday morning for Montcalm, Gratiot, Ionia, Clinton, Barry, Eaton and Ingham Counties. The Winter Storm Warning includes the cities of Lansing, St. Johns and Charlotte. A Winter Weather Advisory has been issued through early Tuesday morning for Shiawassee, Livingston, Washtenaw, Lenawee, Calhoun and Jackson Counties. The cities of Jackson and Battle Creek are in the Advisory area. A Freezing Rain Advisory has been issued for Branch and Hillsdale Counties through Monday evening.

A storm system races towards the Great Lakes today. The storm brings strong winds and a lot of moisture. Aloft temperatures will be warm enough for rain, but down at the surface an East wind will pump cold air into Mid-Michigan. This is the perfect set-up for sleet and freezing rain. The freezing rain and sleet will develop from south to north this morning. Computer models are saying ice accumulations could be around in the tenth to quarter inch range in Mid-Michigan. Heavier amounts are possible north and west of Lansing. Lesser amounts are expected south and east of Jackson. Sleet accumulations of around a half inch are possible. The ice teamed up with strong wind gusts near 45 MPH will more than likely cause scattered power outages.

Winter storm warning in effect for northern Michigan

Up North Live, December 28, 2015

A significant winter storm is on the way for Michigan starting this afternoon and ending Tuesday morning. A Winter Storm Warning has been put out that goes into effect at 3pm this afternoon and lasts until Tuesday morning. The main concerns will be dangerous travel due to snow, ice, and sleet accumulations.

A storm system from the Plains will bring a mix of wintry precipitation starting late this afternoon. Ice totals around .10" or less is expected for northern Michigan while greater amounts are expected downstate. Along with the ice, we may see significant snow accumulations in areas up to 10 inches...mainly in the U.P. where the air is colder.

High winds cause mid-Michigan power outages overnight

Lansing State Journal, December 24, 2015

LANSING — High winds and the resulting damage caused a number of scattered power outages in the Lansing area overnight.

Consumers Energy senior communications manager Brian Wheeler said 124 customers in Eaton County were still without power as of 8:45 a.m.

As many as 475 Consumers customers in Eaton County were without power as of 5 a.m., Wheeler said.

Approximately 60 customers in Ingham and Clinton counties were impacted at the peak of the outage.

91,000 without power in Michigan; some won't be back on for Christmas

Fox 17, December 24, 2015

WEST MICHIGAN - Thousands of Michigan residents are without power this Christmas Eve after a strong wind storm overnight.

Winds in some areas topped 60 miles per hour.

More than 300 workers from five different states joined the task of restoring power to area residents.

As of 9:30 p.m., Consumers Energy reported 91,000 homes and businesses are without power. Winds were to subside as the went on, so crews will be out restoring power throughout the week. Due to the damage, some areas may not get power back until Sunday.

Power restoration continues for some after severe storms

Washington Times, December 27, 2015

DETROIT (AP) - Crews continued restore power to thousands of homes and businesses in Michigan that lost electricity during severe storms before Christmas.

About 13,000 of more than 183,000 Consumers Energy customers remained without service Sunday, the utility said.

Thunderstorms followed by winds with gusts topping 60 mph toppled trees, utility poles and power lines across western and northern Michigan on Wednesday and Thursday.

On heels of Christmas Eve storm, Consumers Energy officials brace for outages Monday

MLive, December 27, 2015

Strong winds and freezing rain are expected to hit Michigan Monday afternoon, possibly bringing widespread power outages just days after utility crews restored electricity for tens of thousands of residents left in the dark following a Christmas Eve storm.

A winter storm watch has been issued for much of Michigan starting Monday afternoon and extending into Tuesday morning. Wind gusts of up to 50 mph and a half-inch of ice accumulation are possible, and officials are warning of slick roads, potential power outages and hazardous travel conditions.

"The morning commute is not going to be the worry, because it will still be dry," said Jared Maples, a meteorologist at the NWS in Grand Rapids. "But as we get to the afternoon, it will rapidly deteriorate."

Power crews wrap up restoration, prepare for coming ice storm

Fox 17, December 27, 2015

MICHIGAN — Less than a week after hundreds of thousands of customers were left in the dark following a powerful Christmas Eve windstorm, preparations are underway for another storm expected Monday that could bring high winds and ice with the potential of knocking power out once again for many across the state.

Consumers Energy said while it is wrapping up power restoration in northern Michigan, it is also preparing crews and material for Monday's weather.

"We're getting our crews back to the home headquarters. We're getting them the proper rest that they need and we're literally restocking the trucks with more equipment. We're ready to go so that when mother nature hits, we're gonna hit right back," said Rodger Morgenstern of Consumers Energy.

CANTON TOWNSHIP TORNADO

National Weather Service confirms EF-1 tornado in Canton

MLive, December 24, 2015

An EF-1 tornado swept through a portion of Canton Township on Wednesday, the National Weather Service confirmed Thursday.

The storm damaged buildings at an industrial park on Lilley Road in Canton just before 7 p.m. Dec. 23. Sheet metal and insulation was strewn across the fields and runway at the Canton-Plymouth Mettetal Airport.

National Weather Service officials reached the scene in western Wayne County by 9 a.m. Dec. 24 to make their determination on the tornado.

First December tornado on record for Michigan

Fox 17, December 24, 2015

Canton – A strong storm system moving through the Great Lakes brought the first December tornado on record for Michigan.

The National Weather Service confirms the tornado touched down on Wednesday night in Wayne County at around 6:43 pm and stayed on the ground for about 2 miles.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

Michigan State Police warn residents of hazardous winter storm

Up North Live, December 27, 2015

The Michigan State Police and the Emergency Management and Homeland Security Division are encouraging residents and visitors to prepare for a hazardous winter storm.

The storm is expected to affect northern Michigan Monday and Tuesday.

The National Weather Service is forecasting freezing rain which will likely cause widespread power outages and dangerous traveling conditions.

State Police urge preparation ahead of 'hazardous winter storm'

MLive, December 27, 2015

Michigan State Police are urging residents to prepare for a "hazardous winter storm"Monday, saying the weather could lead to "widespread power outages" and "dangerous traveling conditions."

"Now is the time to prepare for this winter storm," said Capt. Chris A. Kelenske, Deputy State Director of Emergency Management and Homeland Security. "Freezing rain has the ability to be very destructive, causing both long-term power outages and hazardous travel conditions. I strongly recommend anyone who may be affected by this storm to ensure they have enough supplies to last three days per person. Travel may not be possible right away."

Emergency Management officials urge western Michigan residents to prepare for winter storm

Daily Journal, December 28, 2015

GRAND RAPIDS, Michigan — Officials in western Michigan are warning residents to prepare for a storm that is forecast to bring freezing rain and high winds.

Kent County emergency management office in Grand Rapids says a winter storm watch has been issued for Monday afternoon through Tuesday morning.

Emergency Management Coordinator Jack Stewart says wind gusts could reach upward of 50 mph and "could take down trees and power lines."

FLINT WATER

Gov. Snyder calls Flint water issue 'greatest challenge' during interview

MLive, December 25, 2015

FLINT, MI – Michigan Gov. Rick Snyder told a Northern Michigan news station that Flint's water problem is his office's "greatest challenge."

During a recent interview with 9&10 News, Snyder said 2015 was a good year for Michigan but troubles with the Vehicle City's water supply show there are still challenges facing the state.

"The greatest challenge we face was Flint with their water situation," Snyder said during the interview. "We've tried to be very proactive in terms of offering free water testing, free water filters, blood testing, follow-up on medical care, changing over water sources. You always want to improve so I always look at ways for continuous improvement."

Congressman calls for state water crisis health fund on Rachel Maddow show

MLive, December 24, 2015

FLINT, MI – U.S. Rep. Dan Kildee took to the Rachel Maddow show to continue his call for the state to create a health fund to help Flint's youngest residents potentially affected by the city's water crisis.

Kildee, D-Flint Township, appeared on the MSNBC pundit's program Wednesday, Dec. 23, and called on Gov. Rick Snyder to provide funding for a program that would provide continued health assistance for Flint children who have been diagnosed with elevated blood lead levels.

"We need more than an apology and an acknowledgement that they failed," Kildee said of state leaders. "We need them to make it right."

Flint water probe may unleash flood of findings on mistakes

MLive, December 27, 2015

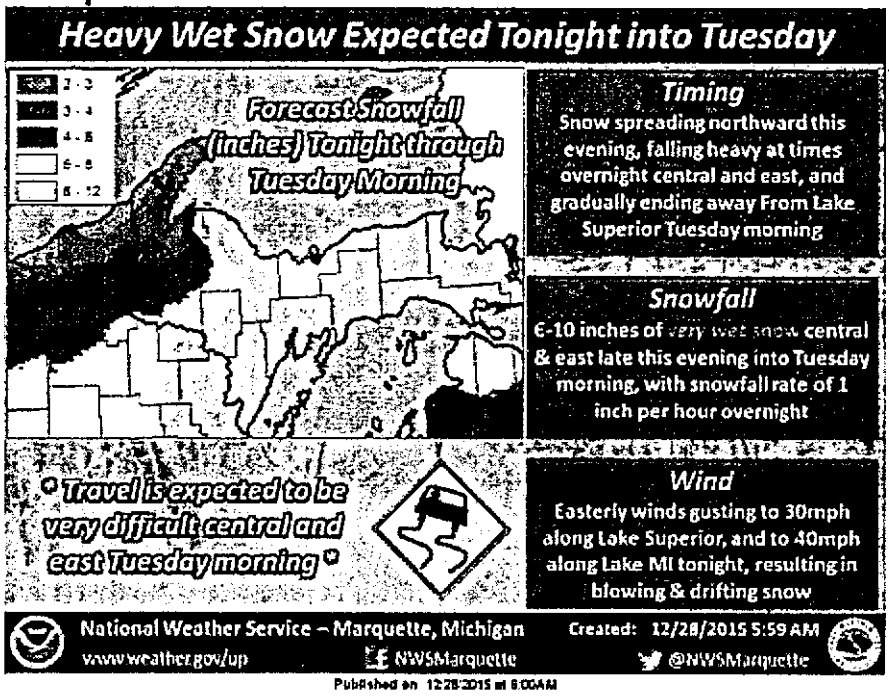
It was very revealing how some readers responded to the post that the first lady thought her husband might die from a blood clot. Instead of reflecting on the gravity of that story, lots of folks wanted to beat up on the governor for allegedly poisoning the kids in Flint with lead.

Make no mistake: The Snyder administration did not experience its finest hour in its handling — critics would say bungling — of the Flint water contamination problem.

Much like the old Watergate hearings, where everyone was asked what they knew and when they knew it, the same penetrating question is being asked about this story.

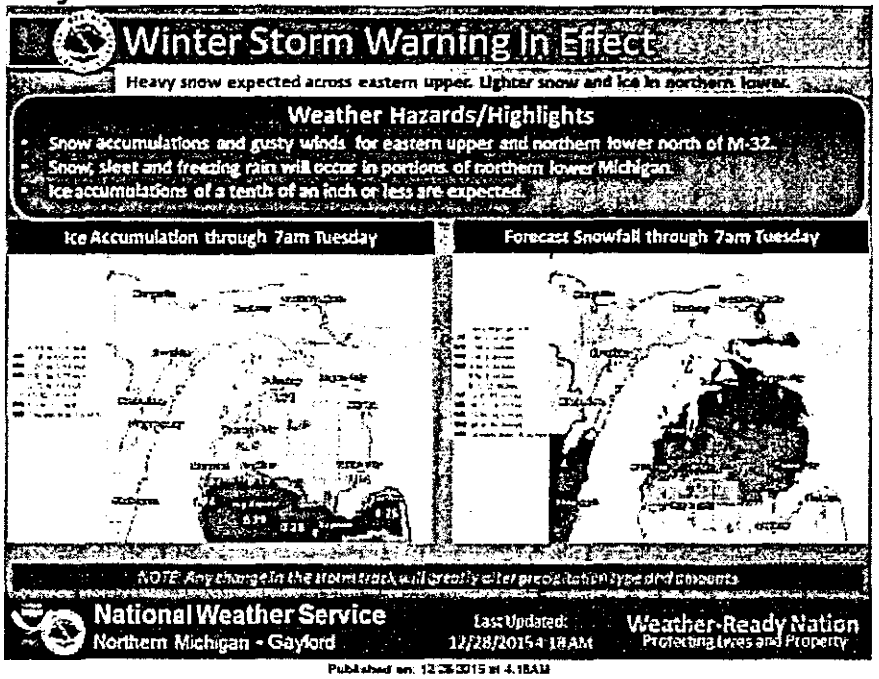
NATIONAL WEATHER SERVICE FORECASTS

Marquette



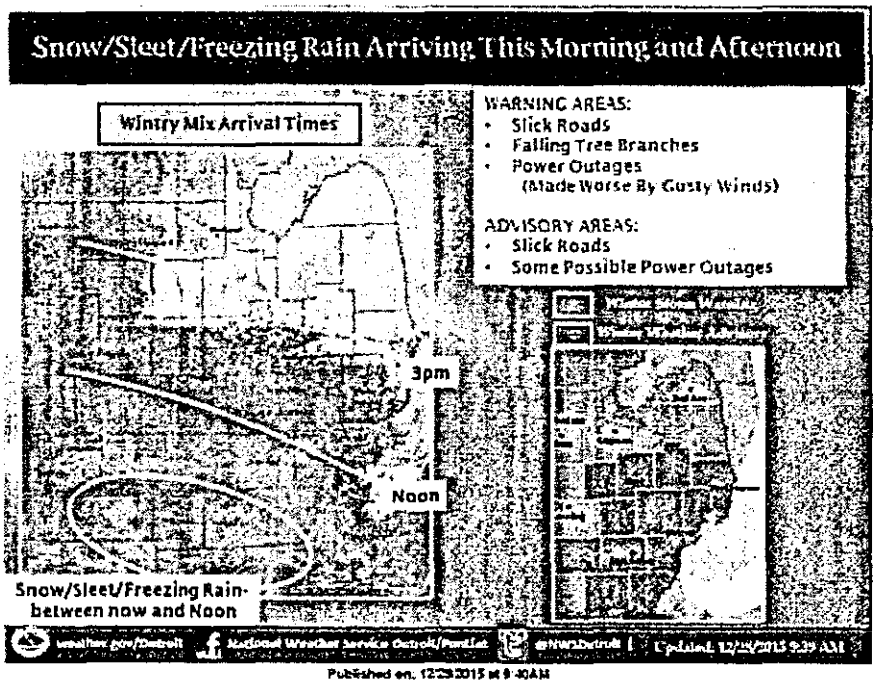
A strong low pressure system tracking northward from the southern Plains will spread heavy snow across portions of Upper Michigan tonight into Tuesday morning. The snow is expected to be very wet, resulting in treacherous driving conditions late tonight and for the morning commute on Tuesday. In addition, gusty easterly winds will cause widespread blowing snow along the shorelines of Lake Michigan, Green Bay, and Lake Superior.

Gaylord



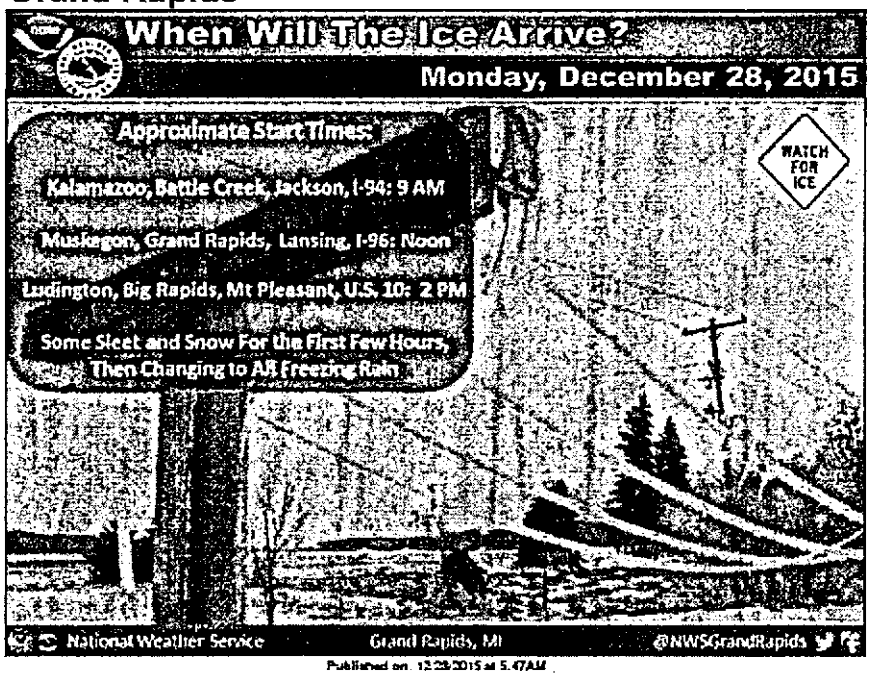
A storm will move out of the Southern Plains and into the Upper Great Lakes by tonight. This will bring a mix of snow, sleet and freezing rain to portions of Northern Michigan, starting late this afternoon and continue overnight. The snow, especially in eastern upper Michigan will have significant accumulations, and with the gusty east wind, blowing and drifting is expected.

Detroit



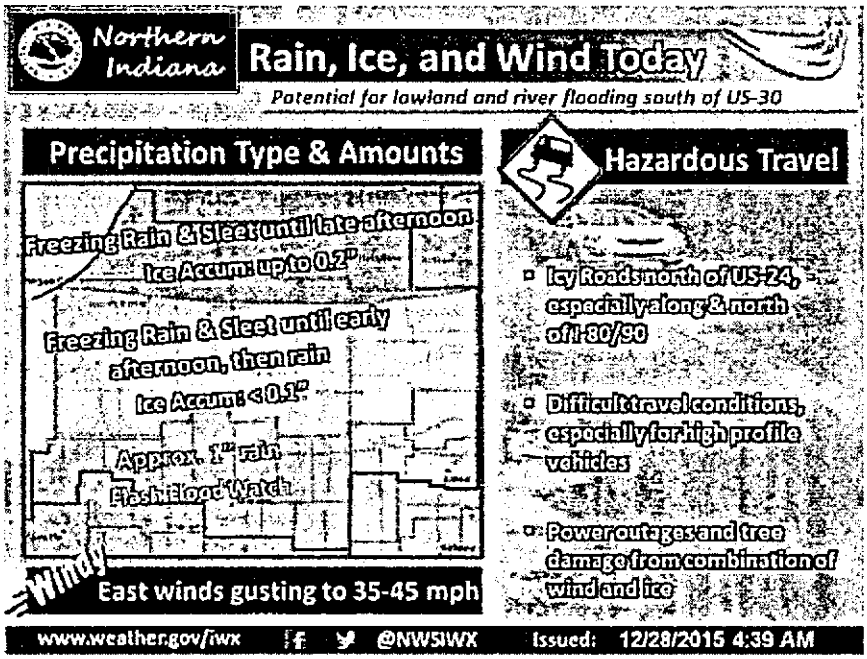
A strong storm system will lift into the Great Lakes tonight. This system will spread warm moist air aloft across the region. Meanwhile...strong high pressure to the north will sustain cold and dry air near the surface. Wintry mix of snow, sleet, and freezing rain will begin in the south through the morning and slowly lift northward through the afternoon. The peak intensity of precipitation will be this afternoon and evening. Warmer air near the surface will lift from south to north this evening into the overnight, slowly transitioning the sleet, snow, and freezing rain over to plain rain.

Grand Rapids



Travel conditions will deteriorate rapidly today as sleet and freezing rain develop.

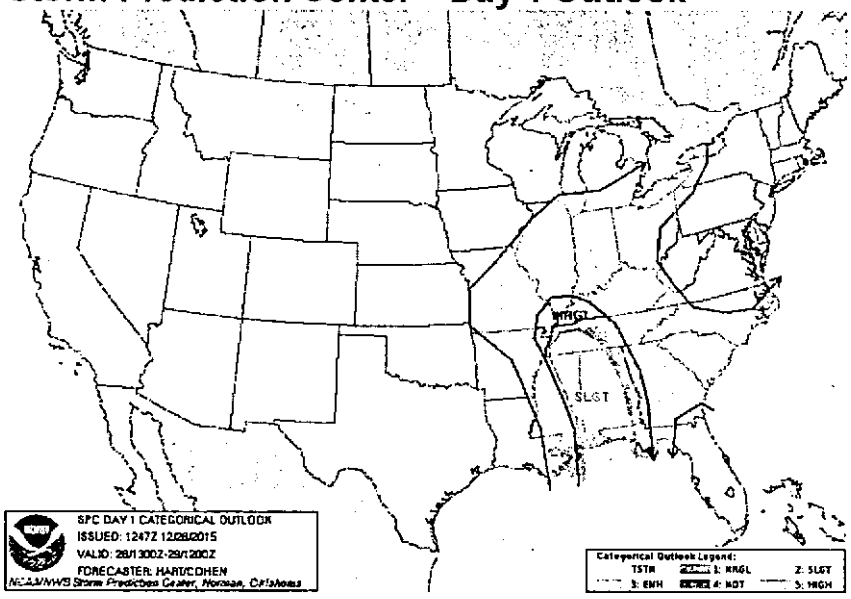
Northern Indiana



Sleet and freezing rain will spread north across the area this morning and transition to rain from south to north through the day. Any freezing rain will be very brief south of US-24 but icy roads will be possible north of US-24, especially along and north of the toll road where freezing rain will persist through

the mid-late afternoon and up to two tenths of accumulation is possible. Strong east winds are also expected this afternoon and evening. East winds gusting to 45 mph could cause tree damage and sporadic power outages, especially in areas that see accumulating ice. Another inch of rain is also expected and this could lead to additional flooding south of US-30 in areas that already saw heavy rain Saturday night.

Storm Prediction Center – Day 1 Outlook



TV/Radio Clips

Confirmed: Tornado hit Canton Township

WDIV-DET (NBC) in Detroit, December 26, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=4a40a33b-6202-4d5c-b79d-cb1894260636

Tips to prepare for icy commute

WLAJ (ABC) in Lansing, December 28, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=6306bb7c-8670-450a-84fd-d2aa5941ebf6

Social Media

Twitter

MLive.com News @michigannews

Flint water probe may unleash flood of findings on mistakes ow.ly/39swxR

Flint News @NewsInFlint

FOIA Request Shows Govt Lied About Lead in Water, Knowingly Poisoning ... - AlterNet alternet.org/news-amp-polit... #Flint

Great Lakes Now @greatlakesnow

ICYMI: Congressman calls for state water crisis health fund on @maddow show s.mlive.com/qffKe4c (via @MLive) pic.twitter.com/zdbUqAKzxi

Clinton County EOC @ClintonCountyEM

Freezing rain is possible today. Keep an eye on the weather and be prepared for possible power outages. pic.twitter.com/0sZrysVRw9

Dearborn Police @DearbornPolice

Winter Weather Advisory in effect from 9 AM this morning to 9 PM EST this evening nixle.us/8TR5W

MichEMHS @MichEMHS

If you must head out, put a kit in your vehicle. It eases the hardship when stranded. 1.usa.gov/1NKNqpx pic.twitter.com/2Y5ceal1ba

MI Prepares @MIPrepares

Do u have a plan for your animals in an emergency? Don't forget to plan for pets- they're family too! ow.ly/V25n4

NWS Grand Rapids @NWSGrandRapids

Plan ahead now, if you haven't already. What if you lose power? #wmwix #miwx pic.twitter.com/DUyXwp2rhr

MichEMHS @MichEMHS

Two great resources if you're heading out today: mi.gov/roadconditions and mi.gov/drive. Be weather aware and prepare.

MichEMHS @MichEMHS

And if you live in Holland: twitter.com/HBPWStorm/stat…

Holland BPW @HBPWStorm

Sleet & freezing rain, ice accumulations & strong winds possible today through tomorrow morning. pic.twitter.com/GJUCpQEhxK

MichEMHS @MichEMHS

Attention Southwest Michigan residents and businesses: twitter.com/IN_MI_Power/st…

I&M @IN_MI_Power

If you lose power, please report it at indianamichiganpower.com/outages/report/ or by calling 1-800-311-4634

DTE Energy @DTE_Energy

With ice and gusty winds in today's forecast, you can stay up-to-date on any power outages using the DTE Energy App youtu.be/MOqdMpvZdJU

Governor Rick Snyder @onetoughnerd

Reason #12 to celebrate 2015: Proposed criminal justice reform will help build a safer Michigan #ComebackState pic.twitter.com/VXu046NVhD

Facebook

Governor Rick Snyder
1 hr ·
Be part of history by helping us design the cover of the 2016 State of the State program!
The deadline to submit a design is Sunday, January 3, and the top five will be posted on Facebook on Tuesday, January 5. Our Facebook audience will then vote for the winner! To learn more, visit http://1.usa.gov/1SbPP7k #MISOTS16

Governor Rick Snyder
17 hrs ·
The Michigan State Police are encouraging residents, especially those in West Michigan, to prepare for an ice storm forecast for Monday through early Tuesday.
"Anyone who may be affected by this storm (should) ensure they have enough supplies to last three days per person," advises Capt. Chris Kelenske, Deputy State Director of Emergency Management and Homeland Security.

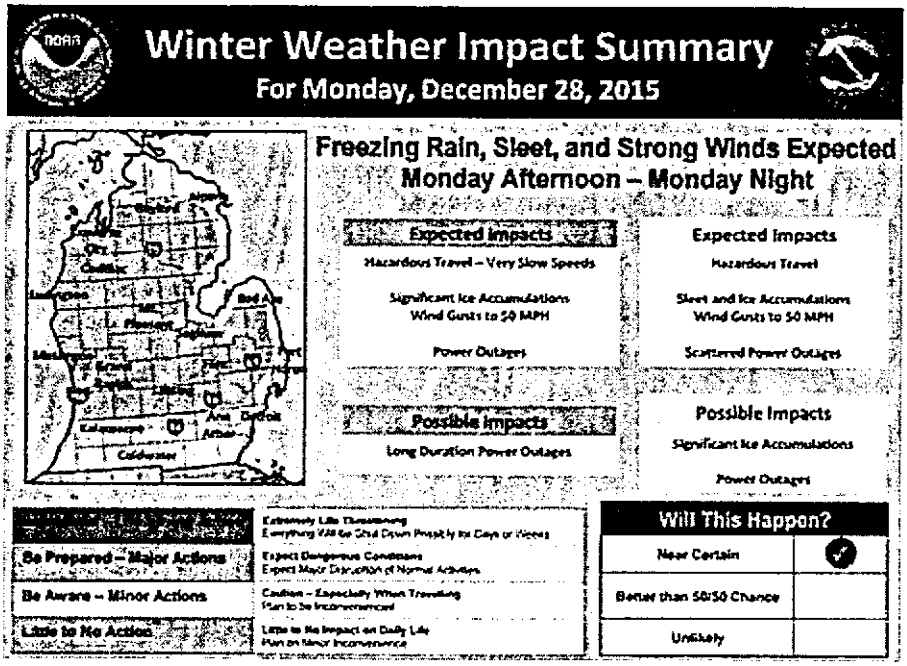
Michigan State Police

Michigan State Police
2 hrs · Lansing, MI ·

Heading out today? Be weather aware and prepare by having an emergency preparedness kit in your vehicle. Hazardous road conditions are expected this afternoon. Kit info: http://1.usa.gov/1NKNgpx.

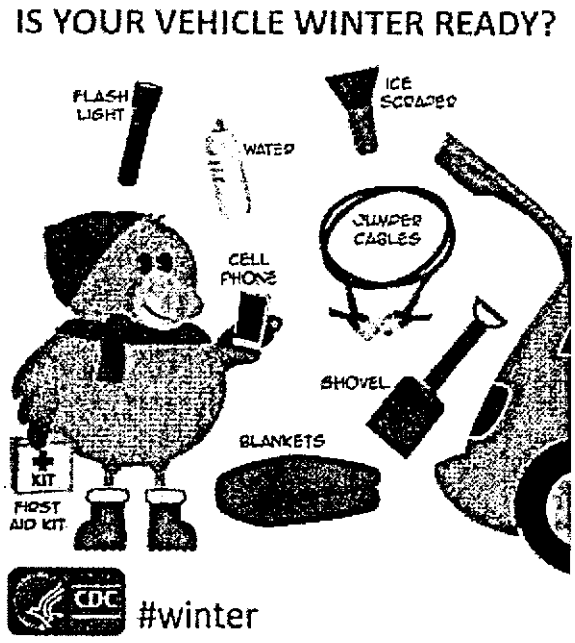
Michigan State Police
17 hrs ·

Are you ready? The National Weather Service is forecasting up to a half-inch of ice accumulation in some areas of the Lower Peninsula for Monday, Dec. 28. Now is a good time to prepare – just in case. http://1.usa.gov/22tM29L



Michigan Emergency Management Association (MEMA) shared Calhoun County CERT Team's photo.

19 hrs ·



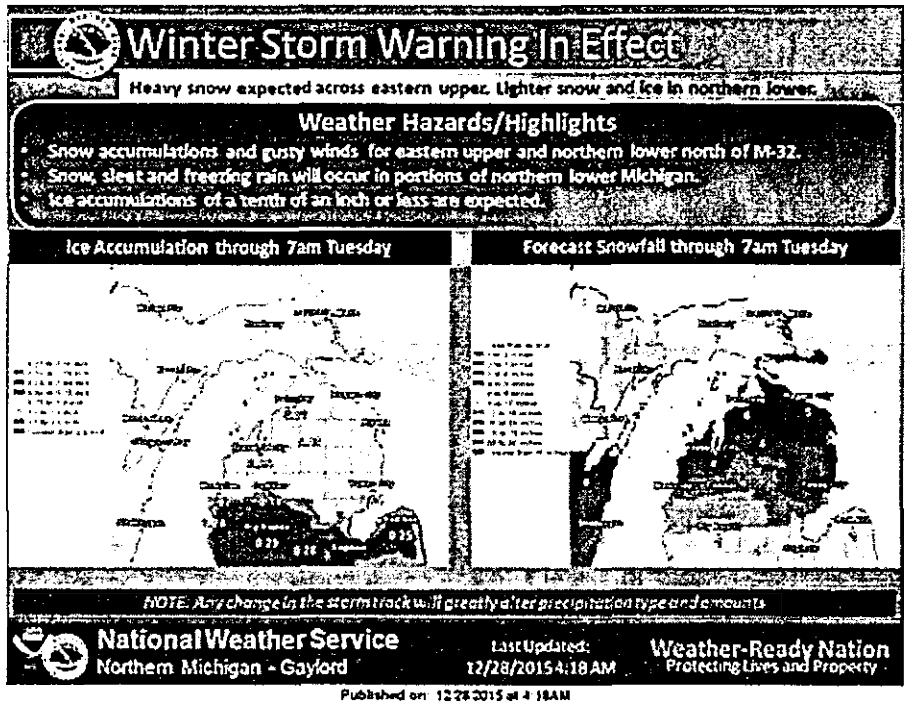
Grand Traverse County Emergency Management

4 hrs ·

WINTER STORM WARNING goes into effect at 3pm today.

A dangerous winter storm will impact northern Michigan later Monday afternoon into Tuesday. This storm may bring:
*Ice accumulations up to 1/2 inch to southern parts of the area...

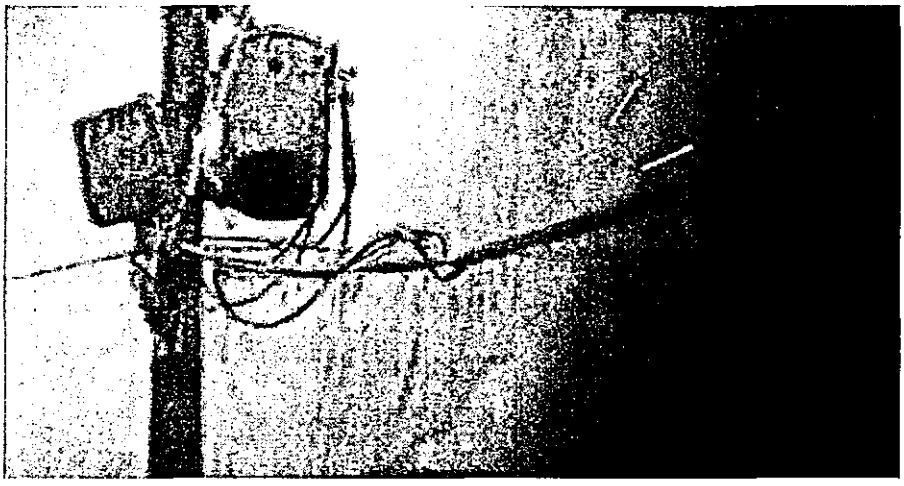
See More



WLNS-TV

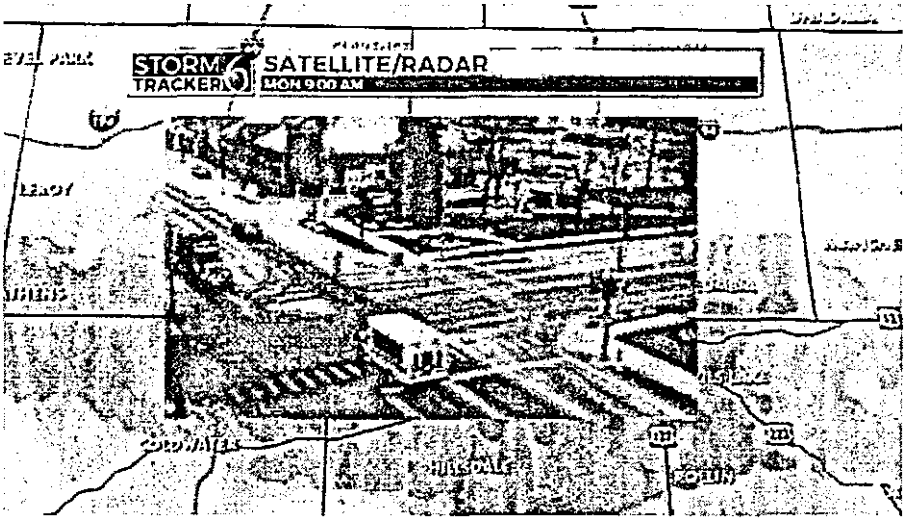
38 mins ·

There are still things you can do to prepare for any power outages that might be caused by that icy storm heading our way. Are you prepared?

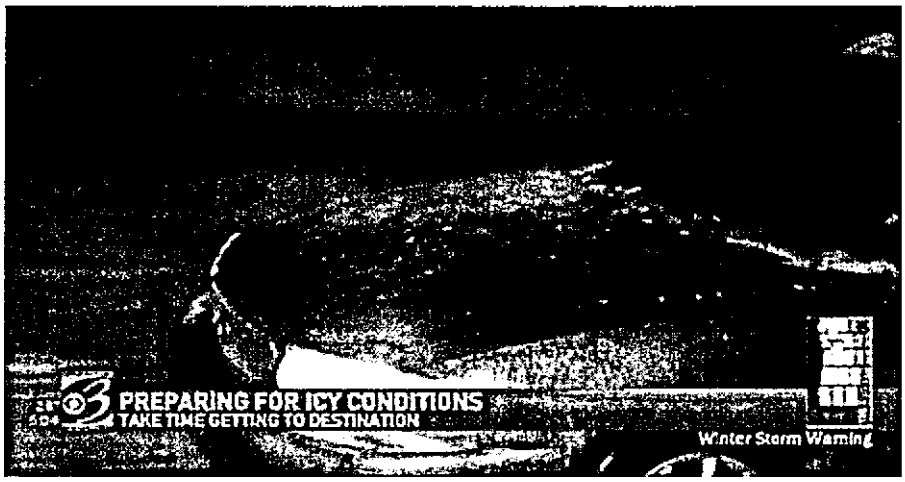


Preparing for power outages

WLNS-TV
51 mins ·
Snow is falling along US-12 in southern Lower Michigan. Here's a look at Coldwater. Freezing rain is falling in Indiana and is slowly moving northward.



Newschannel 3, CBS News, WWMT, West Michigan
49 mins ·
Snow, sleet and freezing rain are expected to cause treacherous travel throughout West Michigan.



9&10 News
2 hrs ·

Here is the outlook for snow accumulations by Tues. afternoon. The heaviest of the snow falls tonight & early Tues.

Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, December 22, 2015 7:51 AM
To: Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
Subject: FW: Monday morning meeting bullets

Monday update...

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile.

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Covey, Gabriel (MSP)
Sent: Monday, December 21, 2015 1:31 PM
To: Mark, Kevin (MSP); McQueen, Nate (MSP); Martinez, Mark (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Kuzera, Michelle (MSP); Weber, Thomas (MSP)
Cc: McCarthy, Joyce (MSP)
Subject: Monday morning meeting bullets

Good afternoon all,

From this morning's meeting:

- EMPG supplemental guidance has went out.
- 14s and above need to take a PIO training (MSP or G290) so if you haven't please let me know.
- Flint's water issue continues to get media attention, staff from EMHSD are going over to Flint today to meet with the mayor on this issue.
- The National Terrorism Advisory system has changed. They will include a "bulletin" in an effort to increase awareness and stress vigilance.
- Thanks to all that attended Oralya's sons funeral, gave money or hours. They raised almost a grand and have more hours than they need, so you may see less hours taken from your bank.
- January 19th is still the date that we move, additional emails will be following so please plan accordingly

Thanks,
Gabe

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, December 18, 2015 4:22 PM
To: Weber, Thomas (MSP)
Subject: RE: Genesee status

Ok. You have the most relevant pages now. A few extra notes:

- I've included only the material that seemed most specifically relevant. I left out a page on Public Health Emergencies that merely had a couple of generic strategies, rather than things specific to the water problem. I included a sheet of Flint strategies for infrastructure failure, but did not include pages for other communities (e.g. Flushing Township).
- FEMA only requires a local hazard mitigation plan to address natural hazards. This is relevant if anyone asks about the limited material related to infrastructure. Additional details surely exist in local technical documents about their water infrastructure.

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

Sobocinski, Mike (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, December 18, 2015 4:05 PM
To: Weber, Thomas (MSP)
Subject: RE: Genesee status

Coverage of the issue in the Genesee is limited/moderate, so I should have photocopied pages on your desk in about 550 seconds... ☺

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 3:50 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Genesee status

Usually leave at 4, but supposed to meet with Tony before I go. He isn't back yet. If I'm not here though, I'll be in over the weekend. You could leave it on my keyboard.

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Sent: Friday, December 18, 2015 3:49 PM
To: Weber, Thomas (MSP)
Subject: RE: Genesee status

Ok. Are you leaving at 5?

From: Weber, Thomas (MSP)
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To: Sobocinski, Mike (MSP)
Subject: RE: Genesee status

That would be great

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From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 3:24 PM
To: Sobocinski, Mike (MSP)
Subject: Genessee status

Mike,

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Ok. There are still 550 seconds until 4pm, so stop by whenever if you want a preview of what I'm finding.

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Mobile:

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Sobocinski, Mike (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 3:29 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Genessee status

If you could take a quick look, that would be great. Given the way the issue has developed, I'd be surprised, but it would be good to know.

Thanks.

I don't know how long that would take, but we are meeting with the City of Flint at an as yet undetermined time Monday, so...if it doesn't take too long, end of day today would be great!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Friday, December 18, 2015 3:28 PM
To: Weber, Thomas (MSP)
Subject: RE: Genessee status

Hello –

Yes, officially, Genesee County is currently covered by a FEMA-approved hazard mitigation plan, and Flint was one of the adopting participants, thus also counted as having FEMA approval.
Mitch had done the review, but would you like me to look through the document to see whether it gave any coverage to the current issues of infrastructure and public health?

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 3:24 PM
To: Sobocinski, Mike (MSP)
Subject: Genessee status

Mike,

Do you have a copy of Genessee County's Mitigation Plan? Is it up to date, and does it adequately cover Flint?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Sobocinski, Mike (MSP)

From:	MSP-EMHSD-NEWS
Sent:	Tuesday, November 10, 2015 10:34 AM
To:	MSP-EMHSD-NEWS
Subject:	Media Monitoring Report -- Nov. 10, 2015
Attachments:	Media Monitoring - 2015.11.10.pdf

MEDIA MONITORING REPORT

11/10/2015

Issues:

- No issues to report.

Summary:

- The state says new testing results reiterate the need for individual Flint homes, businesses, schools and other buildings to be tested for possible lead in drinking water.
- New tests suggest high lead levels in the drinking water at one Flint school may have a simple and inexpensive solution.
- Parents in Flint can get their children tested for lead during an education program hosted by the Flint School District after toxic levels of lead were found at three elementary schools in the district.
- State officials reportedly knew of problems with Flint's water supply long before the city switched to a new system that may have contaminated those who used it with lead poisoning, according to a WDET 101.9 FM article.
- Congressman Dan Kildee says he plans to meet this week with Regional EPA director Susan Hedman to discuss the status of an investigation into Flint's drinking water problems.
- Three teenage boys are charged with conspiring to shoot people at two Michigan schools.
- Another strong storm system will bring high wind gusts, much colder temperatures and probably the first snowflakes to many parts of Michigan.
- Gov. Rick Snyder planned Tuesday to sign legislation calling for a long-term increase in Michigan road repair financing through budget earmarks and increased motorist fees and taxes.
- Karen Weaver became Flint's first woman mayor Monday, Nov. 9, and promised her supporters that she plans to do much more than make history because of her gender.
- Flint's new mayor says she wants her city to return to total local control.
- The Obama administration on Monday announced nearly $20 million in funding for environmental projects in and around Macomb County's Clinton River watershed, including $6.3 million to restore habitat around Partridge Creek Commons, McBride Drain and the Clinton River spillway.
- National Weather Service forecast updates.
- TV clips: Lead exposure in Flint schools revealed; Law enforcement appreciation day.

Analysis:

- Media coverage is neutral.

- Coverage continues on Flint water issues.
- New follow up tests for lead testing at Freeman Elementary in Flint found that the issue for the high levels of lead was not from pipes, but faucets, according to a Michigan Radio article.
- WDET reports that state officials knew of the issues with using Flint's river water supply long before the city switched away from Detroit water.
- Mich. State Rep. Dan Kildee will meet this week with Regional EPA director Susan Hedman to discuss the status of the investigation into Flint's water issues.
- Will continue to monitor the situation.
- The EPA has awarded $20 million in funding for environmental projects in and around Macomb County's Clint River watershed.

Flint Water
State urges water tests at Flint homes, businesses, schools
Source of high lead levels in drinking water at one Flint school identified
Flint students can be tested for lead after toxic levels found in schools
Report: State Officials aware of problem with Flint River Water
A top EPA official is meeting with top critic of its handling of Flint's water woes
Emergency Management and Homeland Security
3 teens charged with planning shootings at 2 Michigan schools
School resource officer foils threat after seeing it on Instagram
Michigan Weather
50 mph gusts, big temp drop and first flakes coming to many in Michiga
Michigan Politics
Snyder to sign road-spending bills with tax hikes
Weaver takes oath as Flint's first woman mayor, promises 'real change'
Flint's new mayor wants total local control restored
Michigan Environmental
EPA awards $20 million for Clinton River watershed work
National Weather Service Forecasts
Marquette
Gaylord
Detroit
Grand Rapids
Northern Indiana
Storm Prediction Center – Day 1 Outlook
TV/Radio Clips
Lead exposure in Flint schools revealed
Law enforcement appreciation day
Social Media
Twitter
Facebook

FLINT WATER

State urges water tests at Flint homes, businesses, schools

WNEM 5, November 10, 2015

FLINT, Mich. (AP) - The state says new testing results reiterate the need for individual Flint homes, businesses, schools and other buildings to be tested for possible lead in drinking water.

The Michigan Department of Environmental Quality says tests from nearly 400 homes and businesses as well as comprehensive results from Freeman Elementary School indicate problems with lead are localized to individual buildings or even individual faucets.

Source of high lead levels in drinking water at one Flint school identified

Michigan Radio, November 9, 2015

New tests suggest high lead levels in the drinking water at one Flint school may have a simple and inexpensive solution.

Initial test results on drinking water samples taken at Freeman Elementary showed high levels of lead in the water: 101 parts per billion or roughly six times the federal action level for lead in tap water.

Follow up tests were conducted last month on water at four Flint schools that tested at or above the federal action level.

Flint students can be tested for lead after toxic levels found in schools

MLive, November 9, 2015

FLINT, MI – Parents in Flint can get their children tested for lead during an education program hosted by the Flint School District after toxic levels of lead were found at three elementary schools in the district.

The program will be from 3-6 p.m., Thursday, Nov. 12, at Brownell STEM Academy, 6302 Oxley Drive. It will include information from the Genesee County Health Department's medical and sanitation professionals, optional lead testing of children and follow-up support, the district said in a statement.

Report: State Officials aware of problem with Flint River Water

WDET 101.9 FM, November 9, 2015

State officials reportedly knew of problems with Flint's water supply long before the city switched to a new system that may have contaminated those who used it with lead poisoning.

A study commissioned by Flint and delivered to state environmental officials in 2013 reportedly revealed that water drawn from the city's river could put residents at risk unless it was first treated with a certain chemical.

A top EPA official is meeting with top critic of its handling of Flint's water woes

Michigan Radio, November 9, 2015

A meeting this week may help produce an update into a possible federal probe of Flint's water problems.

Congressman Dan Kildee says he plans to meet this week with Regional EPA director Susan Hedman to discuss the status of an investigation into Flint's drinking water problems.

Kildee says the investigation has to look beyond just assessing blame.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

3 teens charged with planning shootings at 2 Michigan schools

WDIV Detroit, November 9, 2015

ARGENTINE TOWNSHIP, Mich. - Three teenage boys are charged with conspiring to shoot people at two Michigan schools.

Argentine Township Police Chief Dan Allen said police intercepted information Oct. 28 about the alleged plot in the Linden district, 20 miles south of Flint.

Allen said Saturday that the group had "specific targets in mind" at Linden High School and Linden Middle School. He said the investigation revealed the threat was "serious and credible," and that he forwarded the information to the FBI.

School resource officer foils threat after seeing it on Instagram

WWMT, November 9, 2015

MICHIGAN (NEWSCHANNEL 3) - Newschannel 3 is learning more about how police were able to prevent tragedy at two mid-Michigan schools after a mass shooting plot was foiled.

Police say a school resource officer spotted the threat on Instagram just days before it was set to happen.

The officer then tracked down the teens behind the post, 18-year-old Ryan Stevens and 15-year-olds Lamar Duks and Cody Brewer.

MICHIGAN WEATHER

50 mph gusts, big temp drop and first flakes coming to many in Michiga

MLive, November 9, 2015

Another strong storm system will bring high wind gusts, much colder temperatures and probably the first snowflakes to many parts of Michigan.

All three of these weather features will hit us Thursday and Friday after a strong cold front blows through Wednesday night.

MICHIGAN POLITICS

Snyder to sign road-spending bills with tax hikes

Detroit News, November 10, 2015

Lansing — Gov. Rick Snyder planned Tuesday to sign legislation calling for a long-term increase in Michigan road repair financing through budget earmarks and increased motorist fees and taxes.

They're intended to meet Snyder's goal of securing at least a $1.2 billion annual increase in road and bridge repairs throughout Michigan but not until the 2021 budget year. A Detroit News analysis indicated the increase could fall short of that, even when fully funded.

Weaver takes oath as Flint's first woman mayor, promises 'real change'

MLive, November 9, 2015

FLINT, MI — Karen Weaver became Flint's first woman mayor Monday, Nov. 9, and promised her supporters that she plans to do much more than make history because of her gender.

"I did not knock on hundreds of doors (and) rise early every morning, doing double duty as a political candidate and a small-business owner," for nothing, Weaver told a standing-room-only crowd during her swearing-in ceremony at City Hall.

Flint's new mayor wants total local control restored

Michigan Radio, November 9, 2015

Flint's new mayor says she wants her city to return to total local control.

Soon after Karen Weaver took her oath of office as Flint mayor, she called on Governor Snyder re-instate total local control in her city.

"I do not embrace the current governance model on a moral or political basis," Weaver told the standing room crowd that packed the city council chambers to watch her take her oath of office.

MICHIGAN ENVIRONMENTAL

EPA awards $20 million for Clinton River watershed work

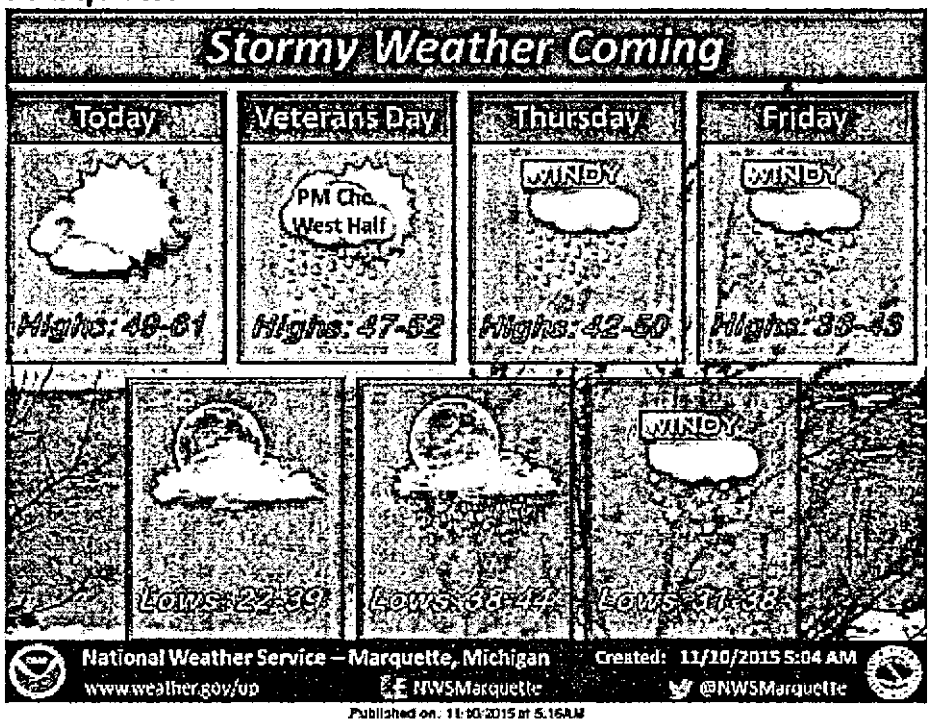
Detroit Free Press, November 9, 2015

WASHINGTON — The Obama administration on Monday announced nearly $20 million in funding for environmental projects in and around Macomb County's Clinton River watershed, including $6.3 million to restore habitat around Partridge Creek Commons, McBride Drain and the Clinton River spillway.

Officials with the U.S. Environmental Protection Agency announced the awards on Monday along with local and federal officials in Harrison Township. The awards, which comes through the federal Great Lakes Restoration Initiative (GLRI), also include $4.5 million to improve habitat and stabilize stream banks along a nine-mile section of the Clinton River in and around Sterling Heights.

NATIONAL WEATHER SERVICE FORECASTS

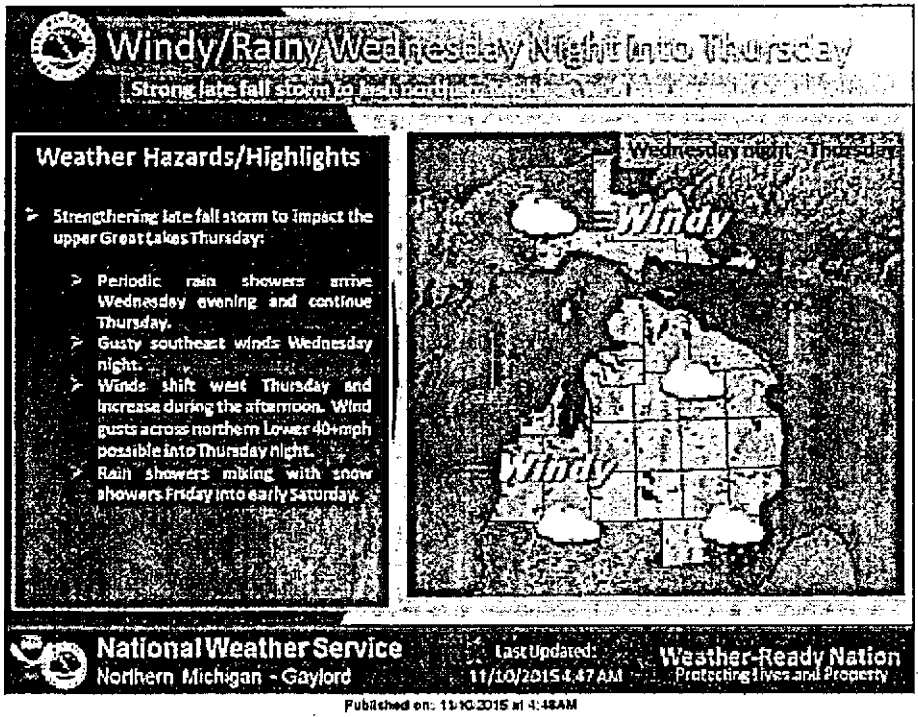
Marquette



Published on: 11/10/2015 at 5:16AM

Persistent high pressure will allow dry and unseasonably warm weather to last for one more day before a deepening storm over the Plains brings rain to the region late Wednesday into Thursday. Colder air moving in behind the system will allow precipitation to transition to mostly snow Thursday night into Friday. Several inches of snow accumulation is possible over the higher terrain of western Upper Michigan Thursday night into Friday.

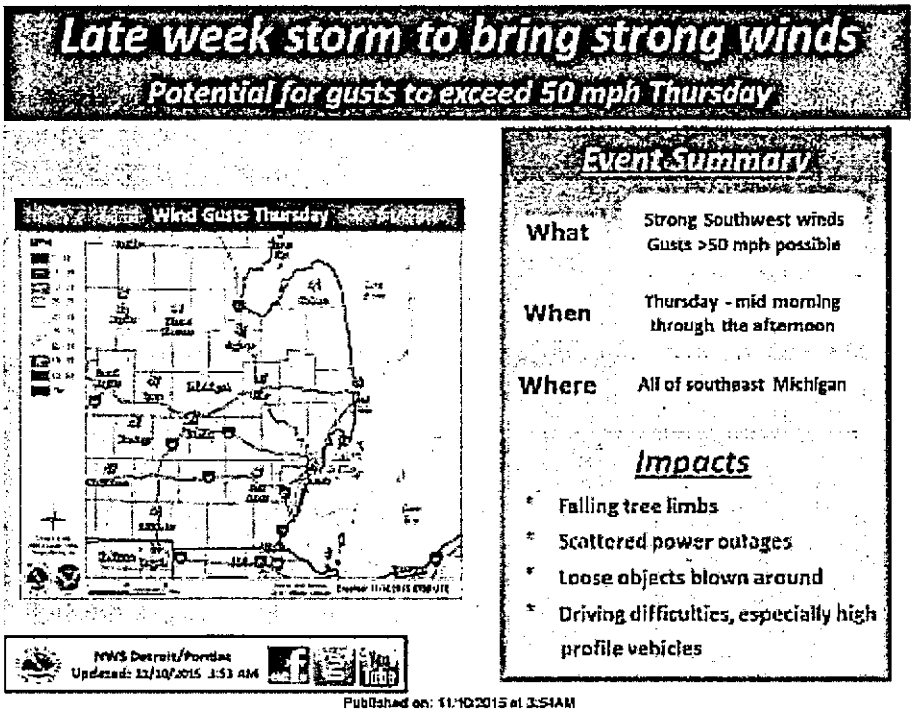
Gaylord



Published on: 11/10/2015 at 4:48AM

A developing storm system will come out of the central Plains Wednesday and track across northern Michigan Thursday. Rain showers with this system will arrive Wednesday evening and continue through the remainder of the week and perhaps mixing with snow Friday and early Saturday. Showers Wednesday night will be accompanied by gusty winds, with more wind expected by Thursday afternoon especially across northern Lower Michigan where wind gusts over 40 mph will be possible.

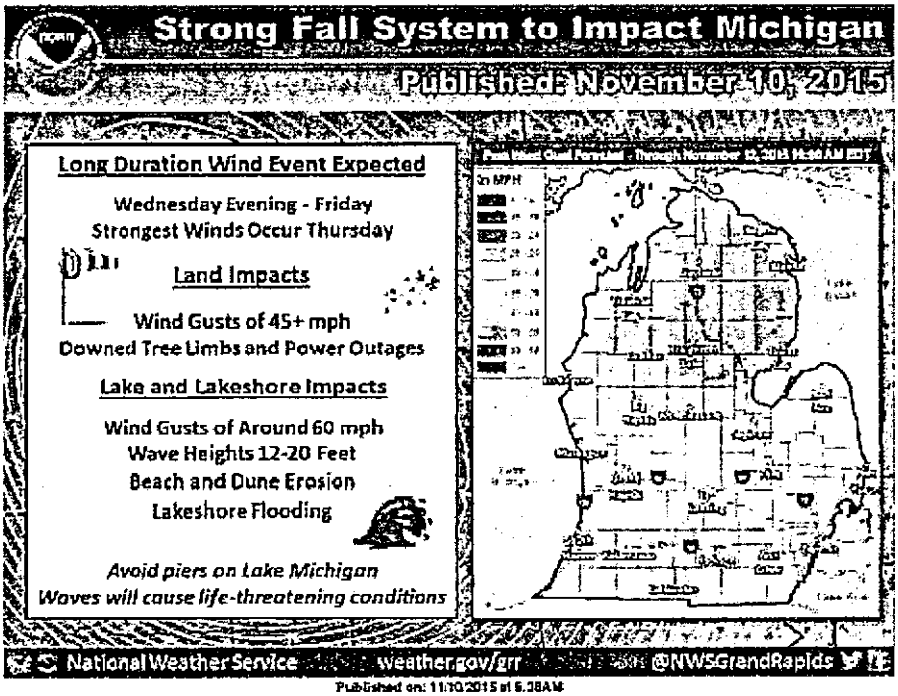
Detroit



Published on: 11/10/2015 at 3:54AM

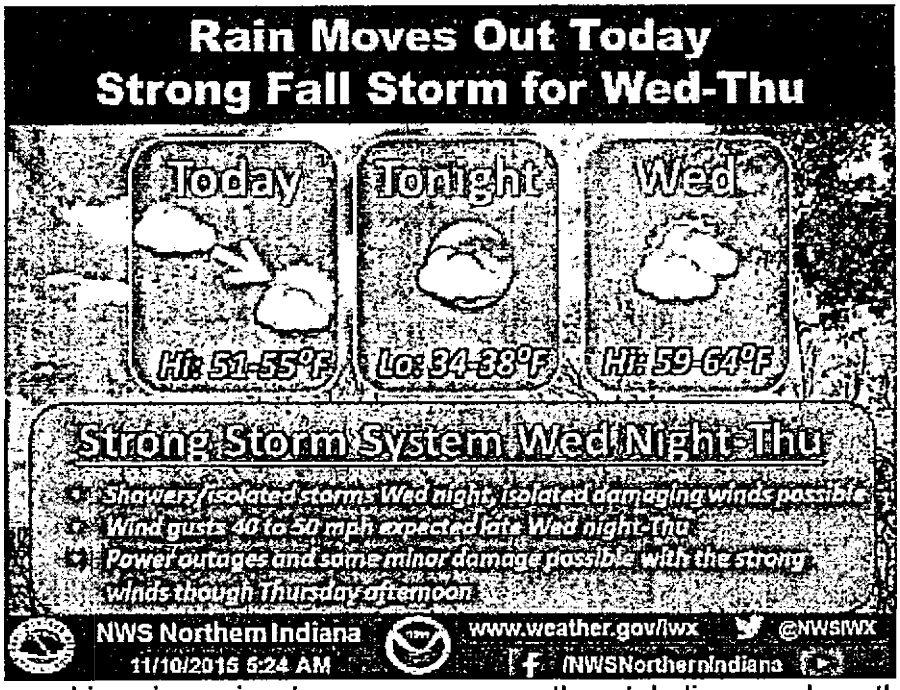
Cloudy and cooler with light rain today. Highs in the upper 40s. Dry conditions on Wednesday in advance of a strong storm system. This storm will bring strong winds to the area on Thursday. Gusts potentially in excess of 50 mph during the day. Gusty conditions will continue through Friday.

Grand Rapids



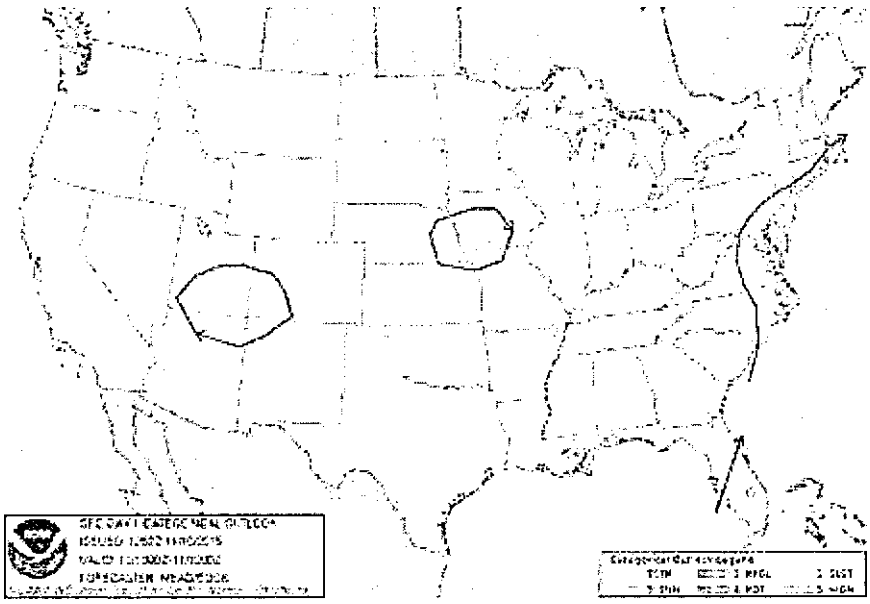
A strong Fall storm will bring high winds Wednesday evening through Friday. Elevated Lake Michigan water levels and extremely large waves will make piers incredibly dangerous.

Northern Indiana



Lingering rain showers across northeast Indiana and northwest Ohio will depart to the east this morning, with clouds diminishing from west to east this afternoon. High temperatures today will reach into the lower to mid 50's. Quiet weather is in store for tonight, but a strong fall storm system will eject out of the Rockies late Tuesday night, and will approach the region on Wednesday night into Thursday. A cold front associated with this system will bring bands of rain showers and isolated thunderstorms to the area Wednesday night, with the possibility of some strong winds with the showers. Strong winds with gusts to 40 to 50 mph are then expected behind this front for late Wednesday night into Thursday.

Storm Prediction Center – Day 1 Outlook



TV/Radio Clips

Lead exposure in Flint schools revealed

WJRT (ABC) in Flint, November 10, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=ceb41273-bac1-48f3-afb8-80aa0b871153

Law enforcement appreciation day

WEYI (NBC) in Flint, November 10, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=72406d94-4703-44f6-a9a5-c3b553dfa49a

Social Media

Twitter

NWS Marquette @NWSMarquette

The Fitzgerald was travelling across central Lake Superior at this time in 1975 and encountering NE gales. #Fitz40 pic.twitter.com/iBREmdiO0D

NWS Grand Rapids @NWSGrandRapids

A reminder that Lake Michigan water levels are higher than previous years. Large waves, more impact. #wmiwx #miwx pic.twitter.com/clDXbmFeQH

NWS Marquette @NWSMarquette

The Edmund Fitzgerald departed Superior, WI at 2:15pm on 11/9/1975 on its final voyage across Lake Superior #Fitz40 pic.twitter.com/vpTq5MXcav

Detroit Free Press @freep

Year before the water became contaminated, the state of Michigan knew of the risks in Flint on.freep.com/1HA5PYv #flintwater

The Detroit News @detroitnews

Metro Detroit could see snow showers by end of the week detne.ws/1NHjMKE #miwx pic.twitter.com/Cc6limWNKn

MI Prepares @MIPrepares

Stay informed! Sign up for email updates direct from @CDCgov on preparedness & other topics that matter to you. cdc.gov/Other/emailupd...

The Detroit News @detroitnews

.@onetoughnerd to sign road-spending bills with tax hikes detne.ws/1NHfW4l pic.twitter.com/6hSmSk4cpj

Facebook

Governor Rick Snyder
16 hrs ·

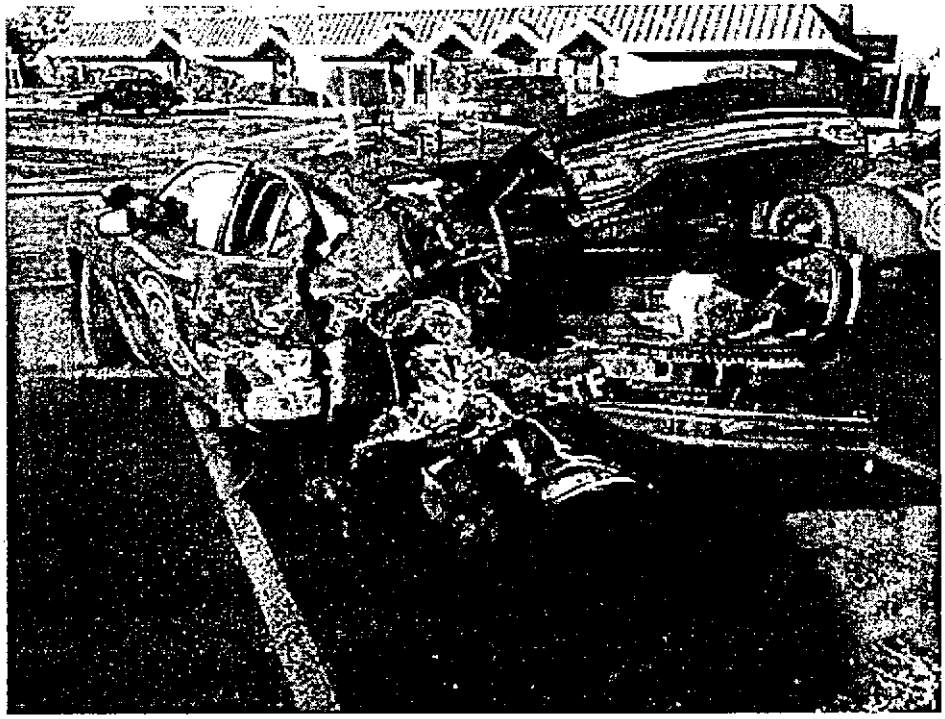
BREAKING: Tomorrow at 12:30, I'll be signing the road funding legislation that will improve our roads and bridges, making them safer for Michigan's families. I hope you can tune at www.mi.gov/SnyderLive and join the conversation on social media using the hashtag #improvingMIroads

LIVE at 12:30 Tuesday: Governor Snyder signs road funding solution
mi.gov

Michigan State Police
22 hrs ·

Early yesterday morning, two troopers from the Metro Post were in their patrol vehicle when they were struck by another vehicle while on the shoulder of westbound I-696 in Farmington Hills after completing a traffic stop. Thankfully, the troopers only received minor injuries.

This incident is another reminder for all motorists that state law requires you to #MoveOver for stationary emergency vehicles that have their lights activated or slow down and pass with caution if it is not possible to safely change lanes. The law applies to police, fire, rescue, ambulance, wrecker and road service vehicles.

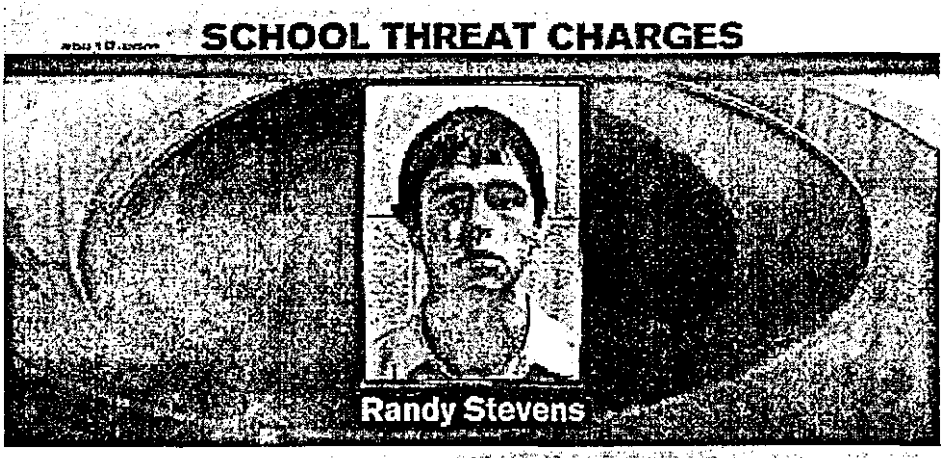


Michigan Emergency Management Association (MEMA)
November 6 at 12:12pm ·

President Corbin, and 2nd Vice President James Buttleman present at the Michigan Fairs and Festivals Conference at Boyne Mountain MI regarding pre-event planning.

ABC12: Your Trusted Source! WJRT-TV
11 hrs ·

UPDATE: Police tell ABC12 News they were able to prevent a school shooting one day before it was set to happen. Three teens planned to carry out the shooting at Linden High School and Linden Middle School on Oct. 30.



FBI, police stop school shooting plot in Mid-Michigan
ABC12 News has learned three teenagers have been arrested and charged in connection with an alleged plan to carry out a school shooting at both Linden High School and Linden Middle School in Argentine Township.
http://www.abc12.com

NEWS

NBC25 News
30 mins ·

Gov. Snyder is expected to sign the bill into law today.

Gov. Snyder to sign road-spending bills with tax hikes
Michigan Gov. Rick Snyder will sign a road-spending package into law that includes the state's first fuel tax and vehicle registration fee increases in decades.
nbc25news.com|By Sinclair Broadcast Group

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Sobocinski, Mike (MSP)

From: MSP-EMHSD-NEWS
Sent: Monday, November 09, 2015 10:09 AM
To: MSP-EMHSD-NEWS
Subject: Media Monitoring Report -- Nov. 9, 2015
Attachments: Media Monitoring - 2015.11.09.pdf

MEDIA MONITORING REPORT

11/9/2015

Issues:

- No issues to report.

Summary:

- Detroit Free Press Columnist Nancy Kaffer writes that state and local officials knew in 2013 that without proper treatment of water drawn from the Flint River, they risked being subjecting residents to lead-contaminated drinking water.
- WXYZ reports that the task force for the Flint water emergency is expected to be done early next year with its investigation.
- The Detroit National Weather Service has confirmed three tornadoes and downburst winds this morning.
- This week another strong low pressure system is expected to develop in the Central Plains and move in to the Great Lakes by mid-week.
- Political Columnist Tim Skubick reports on the status of the GOP road funding plan and how critics say there is not enough money in the plan to fix the roads.
- Michigan ranks last in a national study of state ethics and transparency laws and safeguards, set for release today, partly due to its weak public records law and an absence of laws requiring personal financial disclosures by lawmakers and top state officials.
- Flint's new mayor will be sworn into office at noon Monday.
- A one-man effort to recall Governor Rick Snyder from office faces a big hurdle this week.
- Homeland Security Secretary Jeh Johnson on Friday ordered new security measures aimed at some Middle Eastern airports "out of an abundance of caution" after the suspicious crash of a Russian airliner that President Obama suggested could have been caused by a bomb.
- Three teens have been arrested after Argentine Township Police and the FBI investigated a plot to allegedly carry out a school shooting.
- National Weather Service forecast updates.
- TV clips: Friday tornadoes.

Analysis:

- Media coverage is neutral.
- Coverage continues on Flint water situation.

- Reports from ABC 12 and The Times Herald say the Detroit National Weather Service has confirmed three tornadoes touched down in St. Clair, Sanilac and Huron Counties.
- Flint's new mayor Karen Weaver will be sworn in today at noon.
- Will continue to monitor situation.

Flint Water
Year before water change, state knew of risks in Flint
Task force appointed to investigate Flint water emergency expected finish investigation next year
Michigan Weather
Officials: tornadoes touched down in area
Three tornadoes confirmed in Mid-Michigan's thumb region
Strong fall storm takes aim at Michigan
Michigan Politics
Snyder's road plan Part B – for bonds – gets an F from both sides
Michigan ranks last in laws on ethics, transparency
This week, a new mayor takes office in Flint
Recall petition filed to oust Gov. Snyder
Michigan road-fix plan becomes 2016 campaign issue
Emergency Management and Homeland Security
Russian airline crash prompts new TSA security measures
Three teens arrested in alleged school shooting plot at Linden Community Schools
National Weather Service Forecasts
Marquette
Gaylord
Detroit
Grand Rapids
Northern Indiana
Storm Prediction Center – Day 1 Outlook
TV/Radio Clips
Friday tornadoes
Social Media
Twitter
Facebook

FLINT WATER

Year before water change, state knew of risks in Flint

Detroit Free Press, November 7, 2015

State and local officials knew in 2013 that without proper treatment of water drawn from the Flint River, they risked subjecting the people of Flint to lead-contaminated drinking water.

But the next year, the Michigan Department of Environmental Quality OK'd Flint's plan to pump water from the river, and into residents' homes, without adding an important chemical that would prevent contamination from lead in old pipes.

Task force appointed to investigate Flint water emergency expected finish investigation next year

WXYZ, November 6, 2015

FLINT, Mich. (WXYZ) - The evidence is overwhelming - state and federal officials failed to protect something we all take for granted: tap water.

People in Flint have been drinking water that tests have shown is laced with lead and detrimental health effects are already happening.

It could have been prevented.

MICHIGAN WEATHER

Officials: tornadoes touched down in area

The Times Herald, November 6, 2015

Jeff Friedland, director of St. Clair County Emergency Management, said in an email that the National Weather Service has confirmed that tornadoes touched down Friday morning in the Thumb.

"Along the line of showers, a few surges of stronger winds developed, which allowed three brief tornadoes to spin up," Friedland wrote in an email. "Two of the tornadoes that occurred near Bad Axe and Yale were rated EF-0 with peak winds of 85 mph, and one near Applegate was rated EF-1 with peak winds of 90 mph.

Three tornadoes confirmed in Mid-Michigan's thumb region

ABC 12, November 7, 2015

(WJRT) - (11/06/15) - The Detroit National Weather Service has confirmed three tornadoes and downburst winds this morning.

Tornado 1: Bad Axe (Huron Co) EF-0

Touched down just south of M-53 at Barrie Road in Bad Axe, traveled 0.6 miles and lifted near M-53 and Western Ave. The peak wind speeds were 85mph, and the tornado had a max width of 25 yards. It bent over two billboards with I-beams, partially blew off a roof, and caused tree damage.

Tornado 2: Applegate (Sanilac Co) EF-1

Touched down half of a mile east of the Marlette and Loeding Roads intersection, traveled 3.6 miles and lifted just northeast of the Marlette and Tubbs Roads intersection. The peak wind speeds were 90mph, and the max width of the tornado was 150 yards. There was home damage and tree damage, destroyed 3 small barns.

Tornado 3: Yale (St. Clair Co) EF-0

Touched down a quarter of a mile east of the Kilgore and Jeddo Roads intersection, traveled 0.8 miles along Jeddo Rd before lifting just east of the Duce Road intersection. The peak wind speeds were 85mph, and the tornado had a max width of 75 yards. Three barns were destroyed, another had the roof partially off, and there were 5-10 snapped or uprooted trees and 2 snapped power poles.

Strong fall storm takes aim at Michigan

Fox 17, November 8, 2015

WEST MICHIGAN — Perhaps it's a coincidence that we should be writing this story the same week as two major historic storms hit the Great Lakes in years past: the Armistice Storm and the storm that sunk the famous Great Lakes freighter the Edmund Fitzgerald. More on those in a bit.

This week another strong low pressure system is expected to develop in the Central Plains and move in to the Great Lakes by mid-week. We'll begin feeling its effects later Wednesday. While this system will not have the power and impact as those two storms in history, it will produce plenty of wind, rain, and eventually colder temperatures.

MICHIGAN POLITICS

Snyder's road plan Part B – for bonds – gets an F from both sides

MLive, November 9, 2015

It's a good thing the governor doesn't play for his favorite coach, Jim What's-His-Name, because Mr. Snyder would be bounced from the team for aiding and abetting the enemy.

Democrats are on a mission to convince citizens that the recently enacted GOP road fix plan does not get the job done, especially when new revenue from the gas tax hike and registration fee boost won't flow into the state kitty until 2017.

And Gov. Rick Snyder's critics contend by announcing he may sell bonds to raise money to start road repairs in 2016, he's de-facto adding credence to the Democratic story line.

Michigan ranks last in laws on ethics, transparency

Detroit Free Press, November 9, 2015

LANSING — Michigan ranks last in a national study of state ethics and transparency laws and safeguards, set for release today, partly due to its weak public records law and an absence of laws requiring personal financial disclosures by lawmakers and top state officials.

In all, 11 states received failing grades of F in the study, but Michigan's rating was last in the study by the Center for Public Integrity and Global Integrity, two nonprofit organizations that promote government transparency and ethics.

This week, a new mayor takes office in Flint

Michigan Radio, November 8, 2015

Flint's new mayor will be sworn into office at noon Monday.

Karen Weaver started the year as a Flint businesswoman. She'll end it as Flint's mayor.

Weaver defeated incumbent Mayor Dayne Walling in last week's election.

Weaver emerged as the least known of a four person field in the August primary and campaigned hard on the city's water problems.

Recall petition filed to oust Gov. Snyder

Michigan Radio, November 9, 2015

A one-man effort to recall Governor Rick Snyder from office faces a big hurdle this week.

Angelo Brown says Governor Snyder deserves to be recalled because of the role his administration played in the Flint drinking water crisis.

Brown's recall petition accuses the governor of being "culpable" in the decisions that lead to the use of corrosive Flint River water as the city's drinking water source.

Michigan road-fix plan becomes 2016 campaign issue

Detroit News, November 8, 2015

Lansing — No-new-tax Republicans banded together to narrowly pass Michigan's first fuel tax and vehicle registration fee increases in decades, a move Democrats eagerly hope voters will remember in 2016 and after.

Even before the breakthrough road-funding votes were cast Tuesday, Democrats had launched an "accountability" campaign targeting GOP lawmakers in swing districts who are up for re-election a year from

now. They are lambasting the "birthday tax" — license plate renewal fees that come due every year before a driver's birthday and which will rise by 20 percent in 2017, two months after the election.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

Russian airline crash prompts new TSA security measures

Washington Examiner, November 6, 2015

Homeland Security Secretary Jeh Johnson on Friday ordered new security measures aimed at some Middle Eastern airports "out of an abundance of caution" after the suspicious crash of a Russian airliner that President Obama suggested could have been caused by a bomb.

A White House spokesman on Friday wouldn't elaborate on what prompted Obama's statement on Thursday that a bomb may have caused the incident, beyond noting that he based it on "what the United States has learned in the last few days" about the investigation into Saturday's crash of the Metrojet flight after it departed Egypt's Sharm el Sheikh airport.

Three teens arrested in alleged school shooting plot at Linden Community Schools

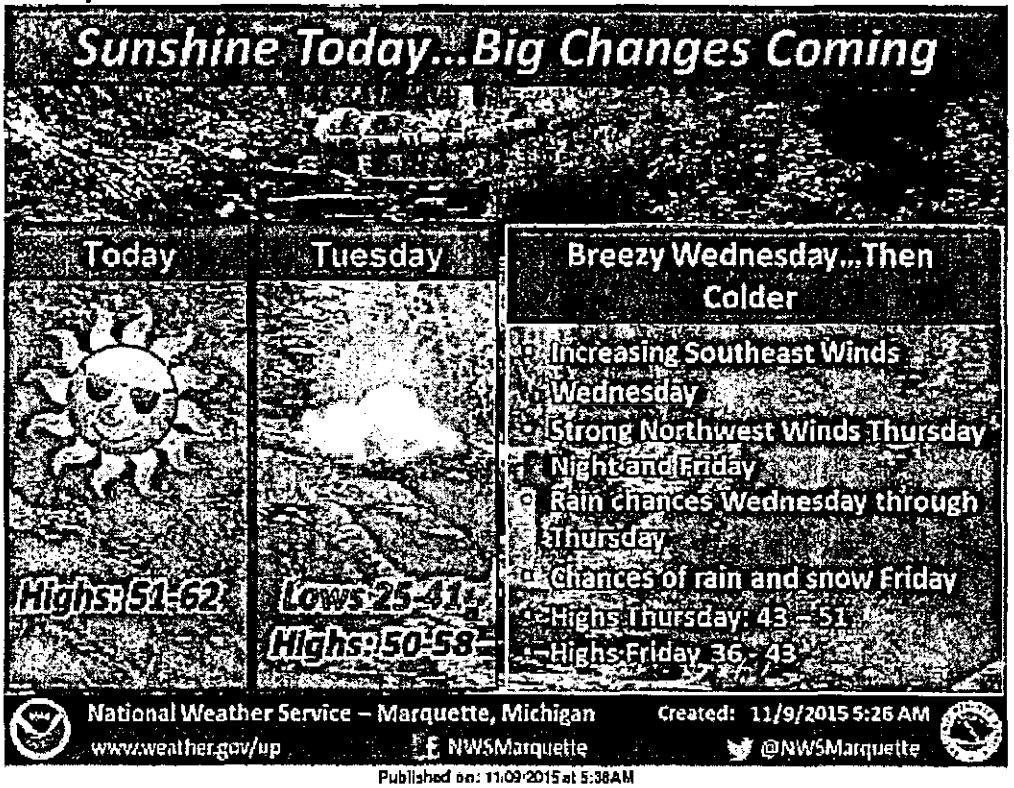
MLive, November 7, 2015

ARGENTINE TWP., MI -- Three teens have been arrested after Argentine Township Police and the FBI investigated a plot to allegedly carry out a school shooting.

Argentine Township Police Chief Daniel Allen said a resource officer at Linden Community Schools was given information on Oct. 28. Allen said the officer filed a 24-page report that he reviewed and turned over to the Federal Bureau of Investigation.

NATIONAL WEATHER SERVICE FORECASTS

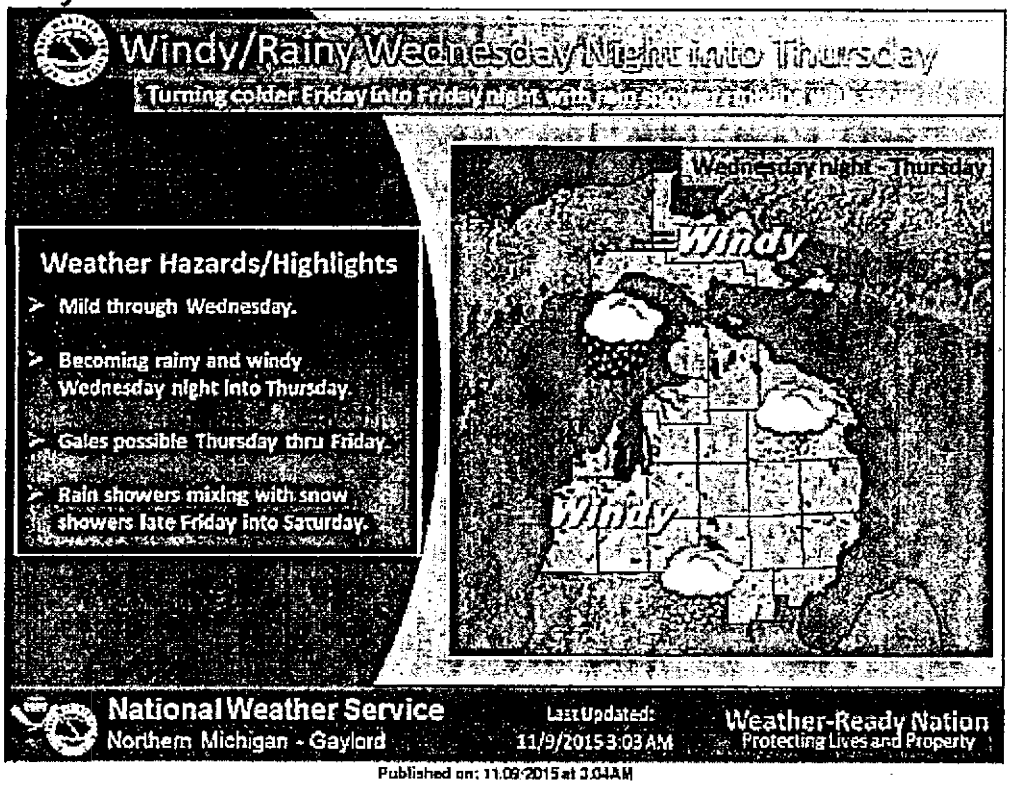
Marquette



Published on: 11/09/2015 at 5:38AM

Upper level high pressure will maintain dry and unseasonably warm conditions into Tuesday. As a deepening storm system approaches from the Central Plains expect breezy conditions with an increasing chance of rain Wednesday into Thursday. Blustery northwest winds behind the system will bring in much colder air resulting in a mix of lake effect rain and snow showers Thursday night into Friday.

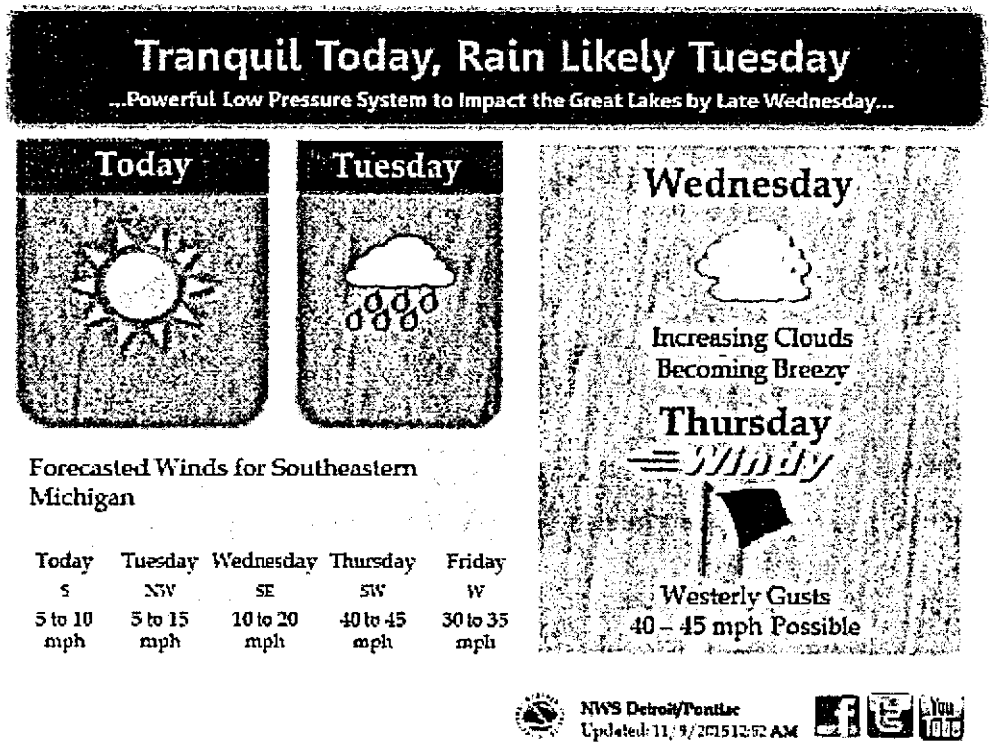
Gaylord



Published on: 11/09/2015 at 3:04AM

Mild weather will continue through Wednesday. A deepening storm system emerging out of the central Plains will bring rain and wind later in the week.

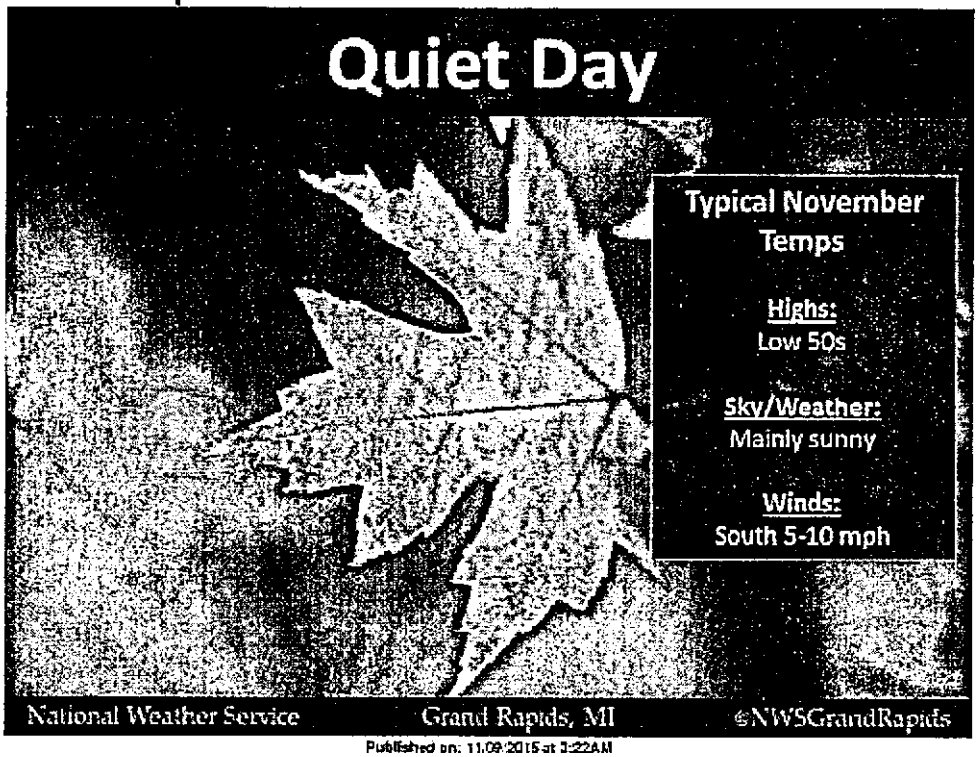
Detroit



Published on: 11/09/2015 at 12:57AM

Weak surface high pressure will gradually breakdown today leading to a continuation of tranquil weather. A disturbance across the southern U.S. will lift northward bringing increased moisture to the state for Tuesday. Light rain is expected to spread across much of the area tonight and linger into Tuesday morning. Breezy conditions will eventually develop on Wednesday in advance of a powerful low pressure system. The low pressure center is forecasted to lift into the western Great Lakes and through the Straits on Thursday.

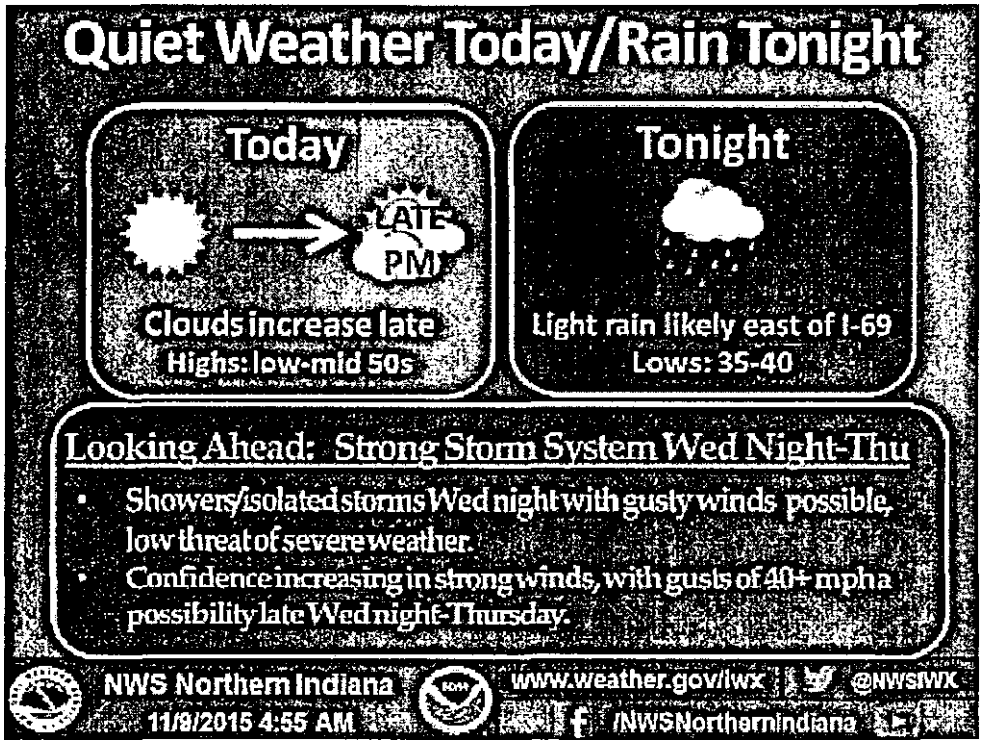
Grand Rapids



Published on: 11/09/2015 at 3:22AM

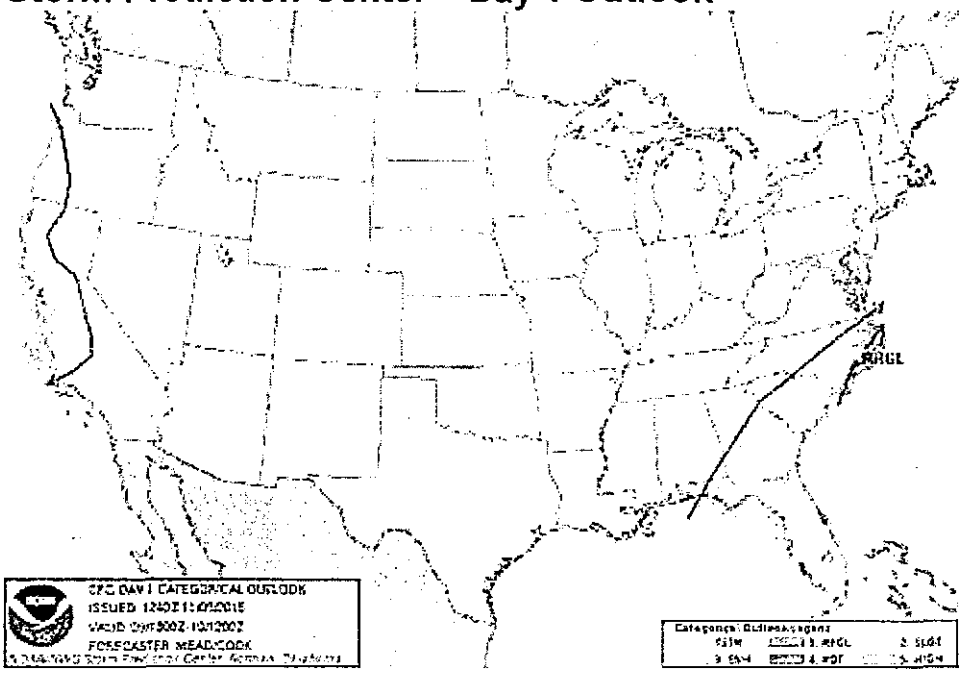
A nice November day is in store, with typical temperatures in the low 50s. Some showers move in late tonight for areas along and east of I-69.

Northern Indiana



Sunny skies are expected today, but clouds will be on the increase from south to north later this afternoon as an upper level disturbance slowly approaches the region. This system is expected to spread light rain across the area tonight, especially for locations roughly along and east of Interstate 69. Rain will taper early Tuesday morning, with quiet conditions through Tuesday night. Looking ahead, a strong storm system will develop across the central United States Wednesday, and bring a period of rain showers and isolated thunderstorms Wednesday night. There is a low threat of severe weather Wednesday night, but strong winds are expected across the entire region Wednesday night and Thursday as this system strengthens across the Great Lakes.

Storm Prediction Center – Day 1 Outlook



TV/Radio Clips

Friday tornadoes

WXYZ-DET (ABC) in Detroit, November 7, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=0ea7d0ac-6c03-4312-90d9-05c314d2cf00

Social Media

Twitter

A.G. Bill Schuette @SchuetteOnDuty

26 Yrs ago I saw the #BerlinWall come down before my very eyes. Met w/freedom fighters who helped usher in liberty. pic.twitter.com/pRCr7zBrAj

NWS Gaylord @NWSGaylord

A strong system is expected late this week. Here's an early look at the details. #miwx
pic.twitter.com/0p1EvqXBRj

NWS Detroit @NWSDetroit

MI Winter Awareness Week ends, but you can always prepare for winter by visiting ow.ly/UmHQ6 #miwx
pic.twitter.com/9ttDhaEbkY

MSP Public Affairs @MichStatePolice

Great work by the #WakefieldPost for gathering over 13,000 lbs. of food for local food pantries.
bit.ly/1MKnvIG (via @UPABC10)

MI Prepares @MIPrepares

Have a paper copy of your emergency plan in case of a power outage. The MI Prepares app gives you a PDF to print! pic.twitter.com/iaH3SsRlw0

MSP Metro Detroit @mspmetrodet

Please use a designated driver! You will not only save your life but maybe ours!! pic.twitter.com/iJnYjHnlTg

Nancy Kaffer @nancykaffer

What would it have cost to keep #flintwater free of lead? $60/day, according to a 2011 city report on.freep.com/1IdyxK2 #flintwatercrisis

Mona Hanna-Attisha @MonaHannaA

#FlintWaterCrisis People need to go to jail. Another awesome article @nancykaffer freep.com/story/opinion/...

Flint Water Study @flintwaterstudy

Dr. Yanna Lambrinidou's Dissenting Opinion on the Upcoming Lead and Copper Rule (LCR)... flintwaterstudy.org/2015/11/dr-yan... pic.twitter.com/gYcXCRr9gl

Facebook

Governor Rick Snyder
14 hrs ·

You bet it could. #ComebackCity

Could Detroit become the next Silicon Valley?
Detroit might not be the first place that comes to mind when you think of technology, but that's changing. Amazon recently announced plans to build corporate offices in downtown Detroit.
cio.com|By Sarah K. White

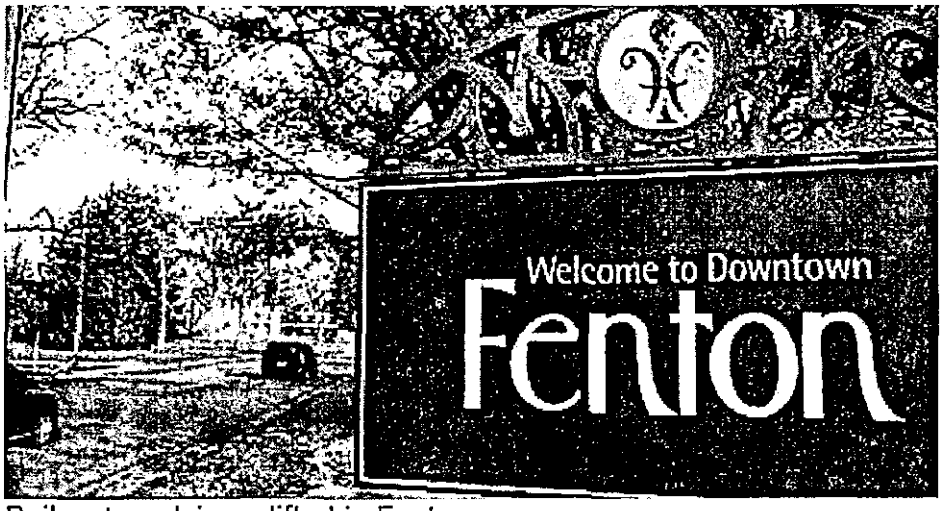
Newschannel 3, CBS News, WWMT, West Michigan
1 hr ·

"There was a mutant going around last year that was making people ill and that's why they said the flu shot was only 20% effective. So they took that mutant and put it into this vaccine."

Doctors: Flu vaccine more effective this year
Kalamazoo, Mich. (NEWSCHANNEL 3) - In November 2014 the flu virus was running rampant through West Michigan and local infectious disease doctors said that so far this year there has been just one confirmed flu case in Kalamazoo...
www.wwmt.com|By Sinclair Broadcast Group

The Flint Journal
20 hrs ·

Update for residents in one Genesee County community impacted by a boil water advisory: http://bit.ly/1QcyJpR



Boil water advisory lifted in Fenton
A boil water advisory put in place Thursday, Nov. 5, by Fenton officials after a water main was found broken has been lifted.
mlive.com

The Flint Journal
22 hrs ·

After two days spent wrangling votes and a marathon committee meeting where legislators considered more than 20 proposed amendments, the bills came out much different from what was first introduced.

Perhaps the biggest substantive change was that the bills aligned to what Snyder had proposed in March as a "fair choice," allowing 10 percent of customers to continue purchasing electricity from alternative suppliers on an open market instead of their incumbent utilities.: http://bit.ly/1L4urZN

Gov. Rick Snyder backs committee-approved House energy plan for Michigan
Gov. Rick Snyder on Friday issued a statement in support of the House energy plan approved by the House Energy Policy Committee this week, saying the bills...
mlive.com

ABC12: Your Trusted Source! WJRT-TV
November 7 at 7:00am ·

#ICYMI: Here's a detailed look at the communities that will be doing a bit of cleaning up this weekend.

Three tornadoes confirmed in mid-Michigan's thumb region
Residents say they were caught by surprise.
http://www.abc12.com|By Caresse Jackman

MEDIA MONITORING REPORT

11/10/2015

Issues:

- No issues to report.

Summary:

- The state says new testing results reiterate the need for individual Flint homes, businesses, schools and other buildings to be tested for possible lead in drinking water.
- New tests suggest high lead levels in the drinking water at one Flint school may have a simple and inexpensive solution.
- Parents in Flint can get their children tested for lead during an education program hosted by the Flint School District after toxic levels of lead were found at three elementary schools in the district.
- State officials reportedly knew of problems with Flint's water supply long before the city switched to a new system that may have contaminated those who used it with lead poisoning, according to a WDET 101.9 FM article.
- Congressman Dan Kildee says he plans to meet this week with Regional EPA director Susan Hedman to discuss the status of an investigation into Flint's drinking water problems.
- Three teenage boys are charged with conspiring to shoot people at two Michigan schools.
- Another strong storm system will bring high wind gusts, much colder temperatures and probably the first snowflakes to many parts of Michigan.
- Gov. Rick Snyder planned Tuesday to sign legislation calling for a long-term increase in Michigan road repair financing through budget earmarks and increased motorist fees and taxes.
- Karen Weaver became Flint's first woman mayor Monday, Nov. 9, and promised her supporters that she plans to do much more than make history because of her gender.
- Flint's new mayor says she wants her city to return to total local control.
- The Obama administration on Monday announced nearly $20 million in funding for environmental projects in and around Macomb County's Clinton River watershed, including $6.3 million to restore habitat around Partridge Creek Commons, McBride Drain and the Clinton River spillway.
- National Weather Service forecast updates.
- TV clips: Lead exposure in Flint schools revealed; Law enforcement appreciation day.

Analysis:

- Media coverage is neutral.
- Coverage continues on Flint water issues.
- New follow up tests for lead testing at Freeman Elementary in Flint found that the issue for the high levels of lead was not from pipes, but faucets, according to a Michigan Radio article.
- WDET reports that state officials knew of the issues with using Flint's river water supply long before the city switched away from Detroit water.
- Mich. State Rep. Dan Kildee will meet this week with Regional EPA director Susan Hedman to discuss the status of the investigation into Flint's water issues.
- Will continue to monitor the situation.
- The EPA has awarded $20 million in funding for environmental projects in and around Macomb County's Clint River watershed.

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State urges water tests at Flint homes, businesses, schools 2
Source of high lead levels in drinking water at one Flint school identified 2
Flint students can be tested for lead after toxic levels found in schools 3
Report: State Officials aware of problem with Flint River Water 3
A top EPA official is meeting with top critic of its handling of Flint's water woes 3
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School resource officer foils threat after seeing it on Instagram 3
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50 mph gusts, big temp drop and first flakes coming to many in Michiga 3
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Snyder to sign road-spending bills with tax hikes 4
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Flint's new mayor wants total local control restored 4
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FLINT WATER

State urges water tests at Flint homes, businesses, schools

WNEM 5, November 10, 2015

FLINT, Mich. (AP) - The state says new testing results reiterate the need for individual Flint homes, businesses, schools and other buildings to be tested for possible lead in drinking water.

The Michigan Department of Environmental Quality says tests from nearly 400 homes and businesses as well as comprehensive results from Freeman Elementary School indicate problems with lead are localized to individual buildings or even individual faucets.

Source of high lead levels in drinking water at one Flint school identified

Michigan Radio, November 9, 2015

New tests suggest high lead levels in the drinking water at one Flint school may have a simple and inexpensive solution.

Initial test results on drinking water samples taken at Freeman Elementary showed high levels of lead in the water: 101 parts per billion or roughly six times the federal action level for lead in tap water.

Follow up tests were conducted last month on water at four Flint schools that tested at or above the federal action level.

Flint students can be tested for lead after toxic levels found in schools

MLive, November 9, 2015

FLINT, MI – Parents in Flint can get their children tested for lead during an education program hosted by the Flint School District after toxic levels of lead were found at three elementary schools in the district.

The program will be from 3-6 p.m., Thursday, Nov. 12, at Brownell STEM Academy, 6302 Oxley Drive. It will include information from the Genesee County Health Department's medical and sanitation professionals, optional lead testing of children and follow-up support, the district said in a statement.

Report: State Officials aware of problem with Flint River Water

WDET 101.9 FM, November 9, 2015

State officials reportedly knew of problems with Flint's water supply long before the city switched to a new system that may have contaminated those who used it with lead poisoning.

A study commissioned by Flint and delivered to state environmental officials in 2013 reportedly revealed that water drawn from the city's river could put residents at risk unless it was first treated with a certain chemical.

A top EPA official is meeting with top critic of its handling of Flint's water woes

Michigan Radio, November 9, 2015

A meeting this week may help produce an update into a possible federal probe of Flint's water problems.

Congressman Dan Kildee says he plans to meet this week with Regional EPA director Susan Hedman to discuss the status of an investigation into Flint's drinking water problems.

Kildee says the investigation has to look beyond just assessing blame.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

3 teens charged with planning shootings at 2 Michigan schools

WDIV Detroit, November 9, 2015

ARGENTINE TOWNSHIP, Mich. - Three teenage boys are charged with conspiring to shoot people at two Michigan schools.

Argentine Township Police Chief Dan Allen said police intercepted information Oct. 28 about the alleged plot in the Linden district, 20 miles south of Flint.

Allen said Saturday that the group had "specific targets in mind" at Linden High School and Linden Middle School. He said the investigation revealed the threat was "serious and credible," and that he forwarded the information to the FBI.

School resource officer foils threat after seeing it on Instagram

WWMT, November 9, 2015

MICHIGAN (NEWSCHANNEL 3) - Newschannel 3 is learning more about how police were able to prevent tragedy at two mid-Michigan schools after a mass shooting plot was foiled.

Police say a school resource officer spotted the threat on Instagram just days before it was set to happen.

The officer then tracked down the teens behind the post, 18-year-old Ryan Stevens and 15-year-olds Lamar Duks and Cody Brewer.

MICHIGAN WEATHER

50 mph gusts, big temp drop and first flakes coming to many in Michiga

MLive, November 9, 2015

Another strong storm system will bring high wind gusts, much colder temperatures and probably the first snowflakes to many parts of Michigan.

All three of these weather features will hit us Thursday and Friday after a strong cold front blows through Wednesday night.

MICHIGAN POLITICS

Snyder to sign road-spending bills with tax hikes

Detroit News, November 10, 2015

Lansing — Gov. Rick Snyder planned Tuesday to sign legislation calling for a long-term increase in Michigan road repair financing through budget earmarks and increased motorist fees and taxes.

They're intended to meet Snyder's goal of securing at least a $1.2 billion annual increase in road and bridge repairs throughout Michigan but not until the 2021 budget year. A Detroit News analysis indicated the increase could fall short of that, even when fully funded.

Weaver takes oath as Flint's first woman mayor, promises 'real change'

MLive, November 9, 2015

FLINT, MI — Karen Weaver became Flint's first woman mayor Monday, Nov. 9, and promised her supporters that she plans to do much more than make history because of her gender.

"I did not knock on hundreds of doors (and) rise early every morning, doing double duty as a political candidate and a small-business owner," for nothing, Weaver told a standing-room-only crowd during her swearing-in ceremony at City Hall.

Flint's new mayor wants total local control restored

Michigan Radio, November 9, 2015

Flint's new mayor says she wants her city to return to total local control.

Soon after Karen Weaver took her oath of office as Flint mayor, she called on Governor Snyder re-instate total local control in her city.

"I do not embrace the current governance model on a moral or political basis," Weaver told the standing room crowd that packed the city council chambers to watch her take her oath of office.

MICHIGAN ENVIRONMENTAL

EPA awards $20 million for Clinton River watershed work

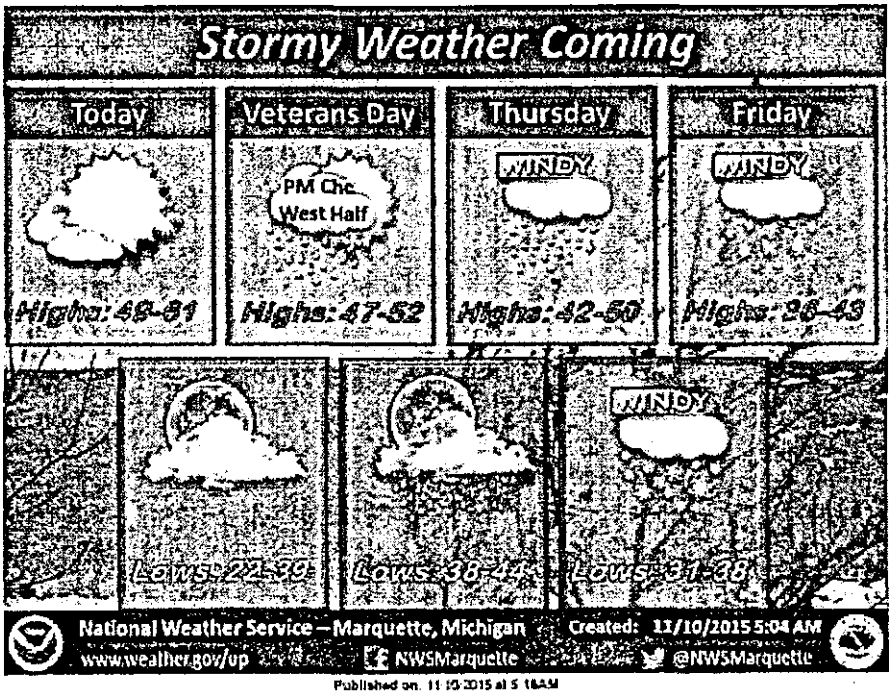
Detroit Free Press, November 9, 2015

WASHINGTON — The Obama administration on Monday announced nearly $20 million in funding for environmental projects in and around Macomb County's Clinton River watershed, including $6.3 million to restore habitat around Partridge Creek Commons, McBride Drain and the Clinton River spillway.

Officials with the U.S. Environmental Protection Agency announced the awards on Monday along with local and federal officials in Harrison Township. The awards, which comes through the federal Great Lakes Restoration Initiative (GLRI), also include $4.5 million to improve habitat and stabilize stream banks along a nine-mile section of the Clinton River in and around Sterling Heights.

NATIONAL WEATHER SERVICE FORECASTS

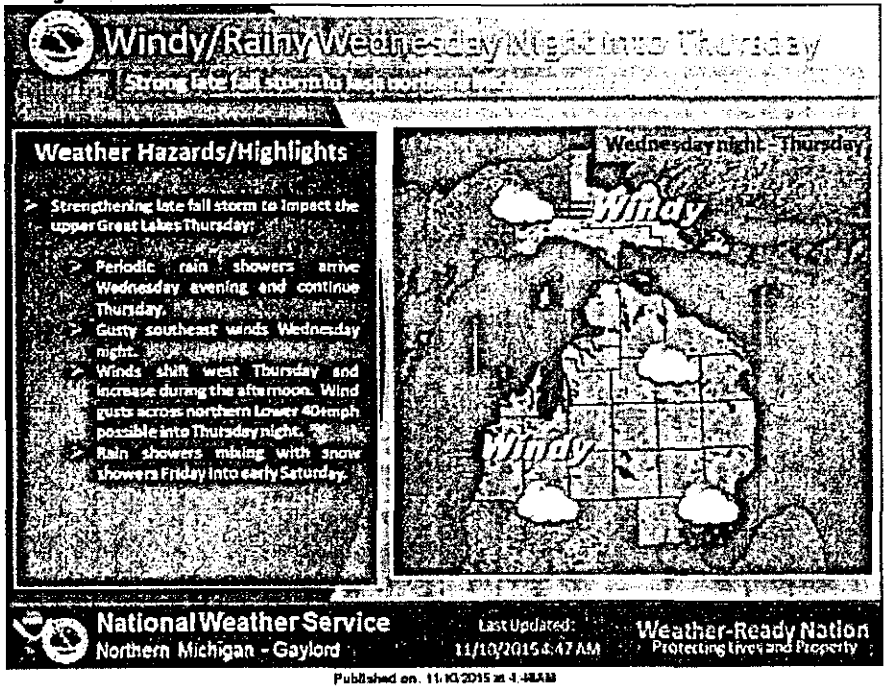
Marquette



Published on: 11/10/2015 at 5:18AM

Persistent high pressure will allow dry and unseasonably warm weather to last for one more day before a deepening storm over the Plains brings rain to the region late Wednesday into Thursday. Colder air moving in behind the system will allow precipitation to transition to mostly snow Thursday night into Friday. Several inches of snow accumulation is possible over the higher terrain of western Upper Michigan Thursday night into Friday.

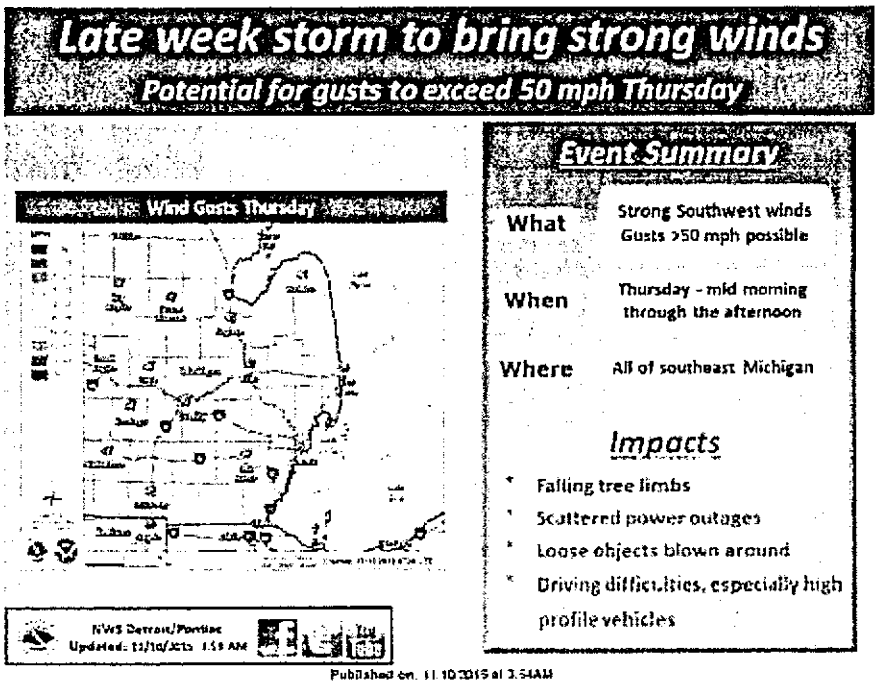
Gaylord



Published on: 11/10/2015 at 4:48AM

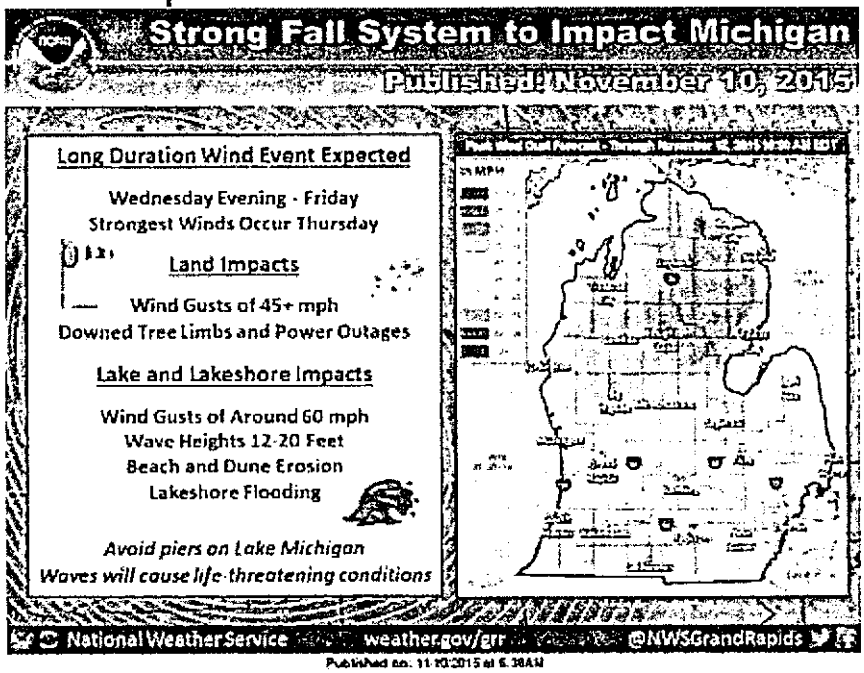
A developing storm system will come out of the central Plains Wednesday and track across northern Michigan Thursday. Rain showers with this system will arrive Wednesday evening and continue through the remainder of the week and perhaps mixing with snow Friday and early Saturday. Showers Wednesday night will be accompanied by gusty winds, with more wind expected by Thursday afternoon especially across northern Lower Michigan where wind gusts over 40 mph will be possible.

Detroit



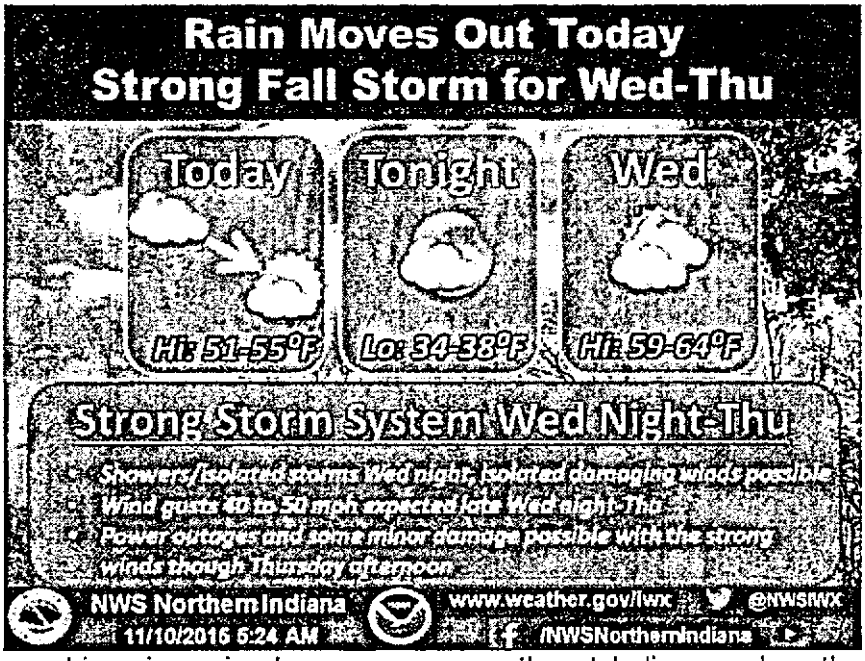
Cloudy and cooler with light rain today. Highs in the upper 40s. Dry conditions on Wednesday in advance of a strong storm system. This storm will bring strong winds to the area on Thursday. Gusts potentially in excess of 50 mph during the day. Gusty conditions will continue through Friday.

Grand Rapids



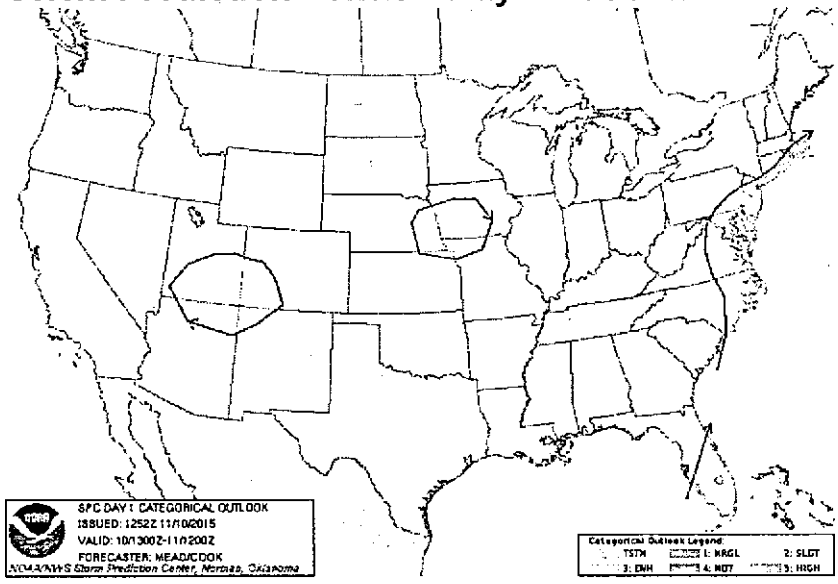
A strong Fall storm will bring high winds Wednesday evening through Friday. Elevated Lake Michigan water levels and extremely large waves will make piers incredibly dangerous.

Northern Indiana



Lingering rain showers across northeast Indiana and northwest Ohio will depart to the east this morning, with clouds diminishing from west to east this afternoon. High temperatures today will reach into the lower to mid 50's. Quiet weather is in store for tonight, but a strong fall storm system will eject out of the Rockies late Tuesday night, and will approach the region on Wednesday night into Thursday. A cold front associated with this system will bring bands of rain showers and isolated thunderstorms to the area Wednesday night, with the possibility of some strong winds with the showers. Strong winds with gusts to 40 to 50 mph are then expected behind this front for late Wednesday night into Thursday.

Storm Prediction Center – Day 1 Outlook



TV/RADIO CLIPS

Lead exposure in Flint schools revealed

WJRT (ABC) in Flint, November 10, 2015

http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=ceb41273-bac1-48f3-afb8-80aa0b871153

Law enforcement appreciation day

WEYI (NBC) in Flint, November 10, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=72406d94-4703-44f6-a9a5-c3b553dfa49a

SOCIAL MEDIA

Twitter

NWS Marquette @NWSMarquette

The Fitzgerald was travelling across central Lake Superior at this time in 1975 and encountering NE gales. #Fitz40 pic.twitter.com/iBREmdiO0D

NWS Grand Rapids @NWSGrandRapids

A reminder that Lake Michigan water levels are higher than previous years. Large waves, more impact. #wmiwx #miwx pic.twitter.com/clDXbmFeQH

NWS Marquette @NWSMarquette

The Edmund Fitzgerald departed Superior, WI at 2:15pm on 11/9/1975 on its final voyage across Lake Superior #Fitz40 pic.twitter.com/vpTq5MXcav

Detroit Free Press @freep

Year before the water became contaminated, the state of Michigan knew of the risks in Flint on.freep.com/1HA5PYv #flintwater

The Detroit News @detroitnews

Metro Detroit could see snow showers by end of the week detne.ws/1NHjMKE #miwx pic.twitter.com/Cc6limWNKn

MI Prepares @MIPrepares

Stay informed! Sign up for email updates direct from @CDCgov on preparedness & other topics that matter to you. cdc.gov/Other/emailupd...

The Detroit News @detroitnews

.@onetoughnerd to sign road-spending bills with tax hikes detne.ws/1NHfW4l pic.twitter.com/6hSmSk4cpj

Facebook

Governor Rick Snyder
16 hrs ·

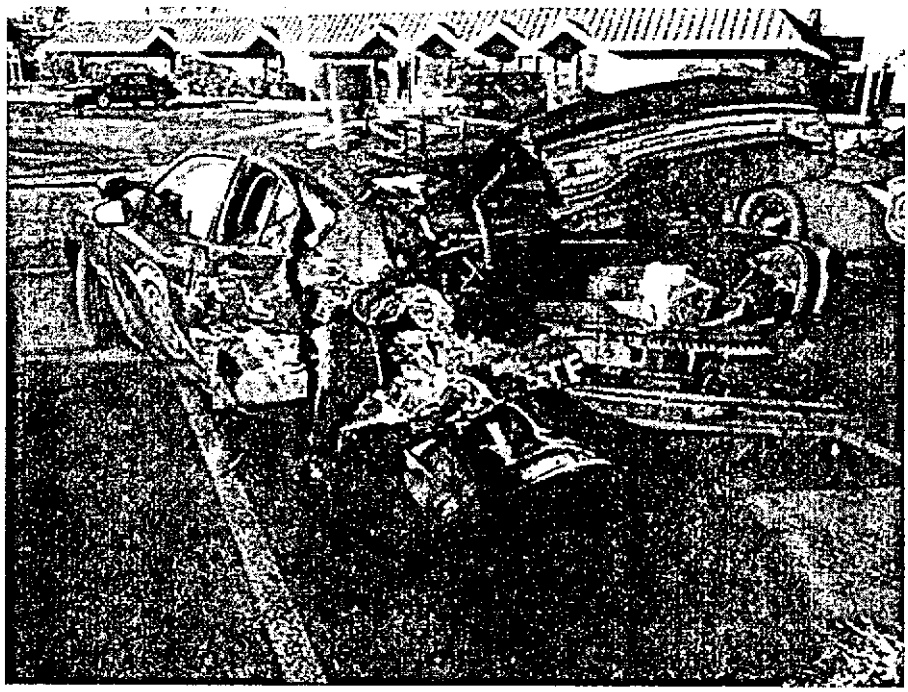
BREAKING: Tomorrow at 12:30, I'll be signing the road funding legislation that will improve our roads and bridges, making them safer for Michigan's families. I hope you can tune at www.mi.gov/SnyderLive and join the conversation on social media using the hashtag #improvingMIroads

LIVE at 12:30 Tuesday: Governor Snyder signs road funding solution
mi.gov

Michigan State Police
22 hrs ·

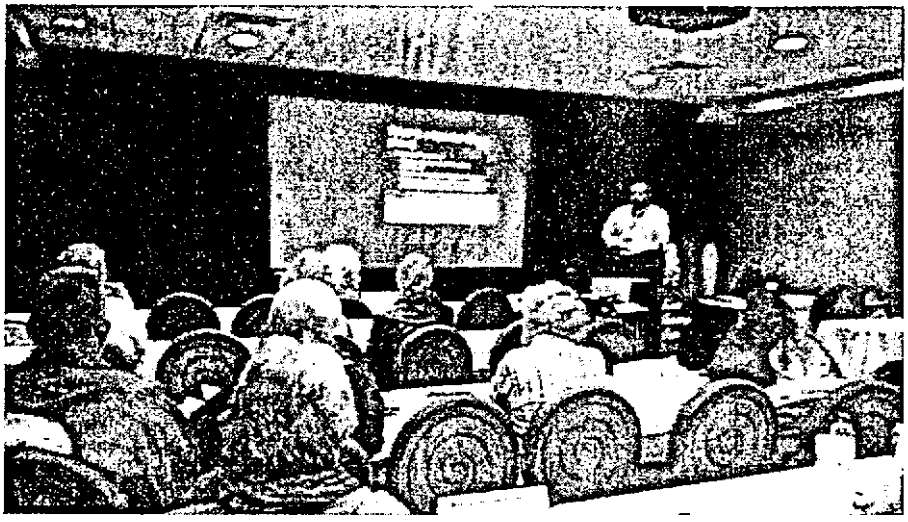
Early yesterday morning, two troopers from the Metro Post were in their patrol vehicle when they were struck by another vehicle while on the shoulder of westbound I-696 in Farmington Hills after completing a traffic stop. Thankfully, the troopers only received minor injuries.

This incident is another reminder for all motorists that state law requires you to #MoveOver for stationary emergency vehicles that have their lights activated or slow down and pass with caution if it is not possible to safely change lanes. The law applies to police, fire, rescue, ambulance, wrecker and road service vehicles.



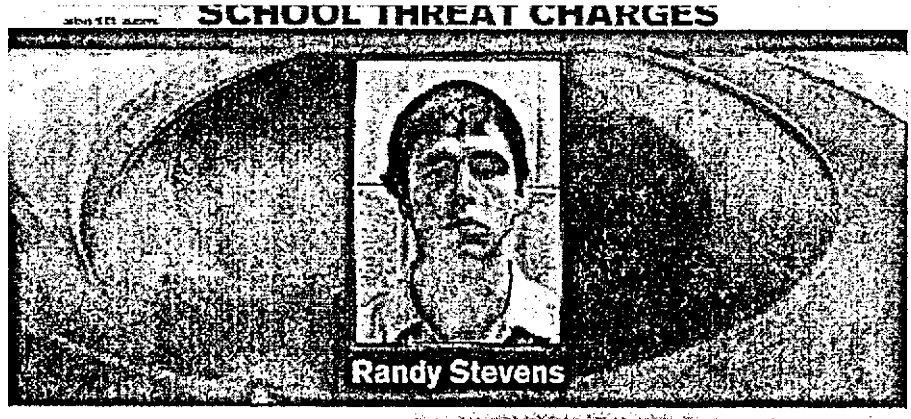
Michigan Emergency Management Association (MEMA)
November 6 at 12:12pm ·

President Corbin, and 2nd Vice President James Buttleman present at the Michigan Fairs and Festivals Conference at Boyne Mountain MI regarding pre-event planning.



ABC12: Your Trusted Source! WJRT-TV
11 hrs ·

UPDATE: Police tell ABC12 News they were able to prevent a school shooting one day before it was set to happen. Three teens planned to carry out the shooting at Linden High School and Linden Middle School on Oct. 30.



FBI, police stop school shooting plot in Mid-Michigan
ABC12 News has learned three teenagers have been arrested and charged in connection with an alleged plan to carry out a school shooting at both Linden High School and Linden Middle School in Argentine Township.
http://www.abc12.com

NBC25
NEWS

NBC25 News
30 mins ·

Gov. Snyder is expected to sign the bill into law today.

Gov. Snyder to sign road-spending bills with tax hikes
Michigan Gov. Rick Snyder will sign a road-spending package into law that includes the state's first fuel tax and vehicle registration fee increases in decades.
nbc25news.com|By Sinclair Broadcast Group

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MEDIA MONITORING REPORT

11/9/2015

Issues:

- No issues to report.

Summary:

- Detroit Free Press Columnist Nancy Kaffer writes that state and local officials knew in 2013 that without proper treatment of water drawn from the Flint River, they risked being subjecting residents to lead-contaminated drinking water.
- WXYZ reports that the task force for the Flint water emergency is expected to be done early next year with its investigation.
- The Detroit National Weather Service has confirmed three tornadoes and downburst winds this morning.
- This week another strong low pressure system is expected to develop in the Central Plains and move in to the Great Lakes by mid-week.
- Political Columnist Tim Skubick reports on the status of the GOP road funding plan and how critics say there is not enough money in the plan to fix the roads.
- Michigan ranks last in a national study of state ethics and transparency laws and safeguards, set for release today, partly due to its weak public records law and an absence of laws requiring personal financial disclosures by lawmakers and top state officials.
- Flint's new mayor will be sworn into office at noon Monday.
- A one-man effort to recall Governor Rick Snyder from office faces a big hurdle this week.
- Homeland Security Secretary Jeh Johnson on Friday ordered new security measures aimed at some Middle Eastern airports "out of an abundance of caution" after the suspicious crash of a Russian airliner that President Obama suggested could have been caused by a bomb.
- Three teens have been arrested after Argentine Township Police and the FBI investigated a plot to allegedly carry out a school shooting.
- National Weather Service forecast updates.
- TV clips: Friday tornadoes.

Analysis:

- Media coverage is neutral.
- Coverage continues on Flint water situation.
- Reports from ABC 12 and The Times Herald say the Detroit National Weather Service has confirmed three tornadoes touched down in St. Clair, Sanilac and Huron Counties.
- Flint's new mayor Karen Weaver will be sworn in today at noon.
- Will continue to monitor situation.

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Task force appointed to investigate Flint water emergency expected finish investigation next year 2
Michigan Weather 2

Officials: tornadoes touched down in area 2
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FLINT WATER

Year before water change, state knew of risks in Flint

Detroit Free Press, November 7, 2015

State and local officials knew in 2013 that without proper treatment of water drawn from the Flint River, they risked subjecting the people of Flint to lead-contaminated drinking water.

But the next year, the Michigan Department of Environmental Quality OK'd Flint's plan to pump water from the river, and into residents' homes, without adding an important chemical that would prevent contamination from lead in old pipes.

Task force appointed to investigate Flint water emergency expected finish investigation next year

WXYZ, November 6, 2015

FLINT, Mich. (WXYZ) - The evidence is overwhelming - state and federal officials failed to protect something we all take for granted: tap water.

People in Flint have been drinking water that tests have shown is laced with lead and detrimental health effects are already happening.

It could have been prevented.

MICHIGAN WEATHER

Officials: tornadoes touched down in area

The Times Herald, November 6, 2015

Jeff Friedland, director of St. Clair County Emergency Management, said in an email that the National Weather Service has confirmed that tornadoes touched down Friday morning in the Thumb.

"Along the line of showers, a few surges of stronger winds developed, which allowed three brief tornadoes to spin up," Friedland wrote in an email. "Two of the tornadoes that occurred near Bad Axe and Yale were rated EF-0 with peak winds of 85 mph, and one near Applegate was rated EF-1 with peak winds of 90 mph.

Three tornadoes confirmed in Mid-Michigan's thumb region

ABC 12, November 7, 2015

(WJRT) - (11/06/15) - The Detroit National Weather Service has confirmed three tornadoes and downburst winds this morning.

Tornado 1: Bad Axe (Huron Co) EF-0

Touched down just south of M-53 at Barrie Road in Bad Axe, traveled 0.6 miles and lifted near M-53 and Western Ave. The peak wind speeds were 85mph, and the tornado had a max width of 25 yards. It bent over two billboards with I-beams, partially blew off a roof, and caused tree damage.

Tornado 2: Applegate (Sanilac Co) EF-1

Touched down half of a mile east of the Marlette and Loeding Roads intersection, traveled 3.6 miles and lifted just northeast of the Marlette and Tubbs Roads intersection. The peak wind speeds were 90mph, and the max width of the tornado was 150 yards. There was home damage and tree damage, destroyed 3 small barns.

Tornado 3: Yale (St. Clair Co) EF-0

Touched down a quarter of a mile east of the Kilgore and Jeddo Roads intersection, traveled 0.8 miles along Jeddo Rd before lifting just east of the Duce Road intersection. The peak wind speeds were 85mph, and the tornado had a max width of 75 yards. Three barns were destroyed, another had the roof partially off, and there were 5-10 snapped or uprooted trees and 2 snapped power poles.

Strong fall storm takes aim at Michigan

Fox 17, November 8, 2015

WEST MICHIGAN — Perhaps it's a coincidence that we should be writing this story the same week as two major historic storms hit the Great Lakes in years past: the Armistice Storm and the storm that sunk the famous Great Lakes freighter the Edmund Fitzgerald. More on those in a bit.

This week another strong low pressure system is expected to develop in the Central Plains and move in to the Great Lakes by mid-week. We'll begin feeling its effects later Wednesday. While this system will not have the power and impact as those two storms in history, it will produce plenty of wind, rain, and eventually colder temperatures.

MICHIGAN POLITICS

Snyder's road plan Part B – for bonds – gets an F from both sides

MLive, November 9, 2015

It's a good thing the governor doesn't play for his favorite coach, Jim What's-His-Name, because Mr. Snyder would be bounced from the team for aiding and abetting the enemy.

Democrats are on a mission to convince citizens that the recently enacted GOP road fix plan does not get the job done, especially when new revenue from the gas tax hike and registration fee boost won't flow into the state kitty until 2017.

And Gov. Rick Snyder's critics contend by announcing he may sell bonds to raise money to start road repairs in 2016, he's de-facto adding credence to the Democratic story line.

Michigan ranks last in laws on ethics, transparency

Detroit Free Press, November 9, 2015

LANSING — Michigan ranks last in a national study of state ethics and transparency laws and safeguards, set for release today, partly due to its weak public records law and an absence of laws requiring personal financial disclosures by lawmakers and top state officials.

In all, 11 states received failing grades of F in the study, but Michigan's rating was last in the study by the Center for Public Integrity and Global Integrity, two nonprofit organizations that promote government transparency and ethics.

This week, a new mayor takes office in Flint

Michigan Radio, November 8, 2015

Flint's new mayor will be sworn into office at noon Monday.

Karen Weaver started the year as a Flint businesswoman. She'll end it as Flint's mayor.

Weaver defeated incumbent Mayor Dayne Walling in last week's election.

Weaver emerged as the least known of a four person field in the August primary and campaigned hard on the city's water problems.

Recall petition filed to oust Gov. Snyder

Michigan Radio, November 9, 2015

A one-man effort to recall Governor Rick Snyder from office faces a big hurdle this week.

Angelo Brown says Governor Snyder deserves to be recalled because of the role his administration played in the Flint drinking water crisis.

Brown's recall petition accuses the governor of being "culpable" in the decisions that lead to the use of corrosive Flint River water as the city's drinking water source.

Michigan road-fix plan becomes 2016 campaign issue

Detroit News, November 8, 2015

Lansing — No-new-tax Republicans banded together to narrowly pass Michigan's first fuel tax and vehicle registration fee increases in decades, a move Democrats eagerly hope voters will remember in 2016 and after.

Even before the breakthrough road-funding votes were cast Tuesday, Democrats had launched an "accountability" campaign targeting GOP lawmakers in swing districts who are up for re-election a year from now. They are lambasting the "birthday tax" — license plate renewal fees that come due every year before a driver's birthday and which will rise by 20 percent in 2017, two months after the election.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

Russian airline crash prompts new TSA security measures

Washington Examiner, November 6, 2015

Homeland Security Secretary Jeh Johnson on Friday ordered new security measures aimed at some Middle Eastern airports "out of an abundance of caution" after the suspicious crash of a Russian airliner that President Obama suggested could have been caused by a bomb.

A White House spokesman on Friday wouldn't elaborate on what prompted Obama's statement on Thursday that a bomb may have caused the incident, beyond noting that he based it on "what the United States has learned in the last few days" about the investigation into Saturday's crash of the Metrojet flight after it departed Egypt's Sharm el Sheikh airport.

Three teens arrested in alleged school shooting plot at Linden Community Schools

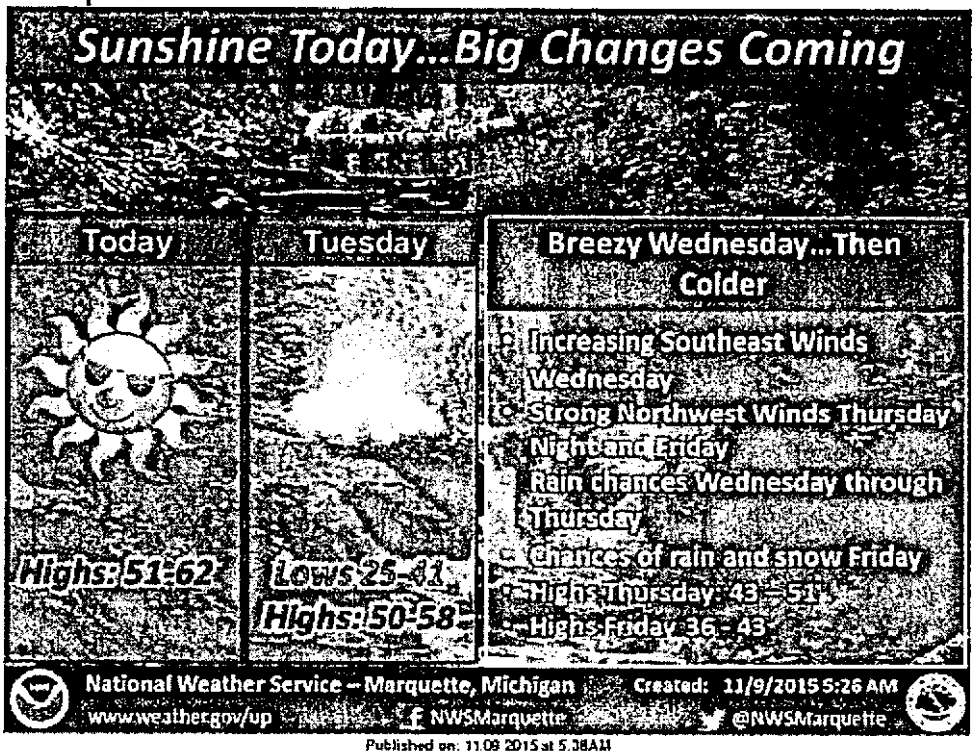
MLive, November 7, 2015

ARGENTINE TWP., MI -- Three teens have been arrested after Argentine Township Police and the FBI investigated a plot to allegedly carry out a school shooting.

Argentine Township Police Chief Daniel Allen said a resource officer at Linden Community Schools was given information on Oct. 28. Allen said the officer filed a 24-page report that he reviewed and turned over to the Federal Bureau of Investigation.

NATIONAL WEATHER SERVICE FORECASTS

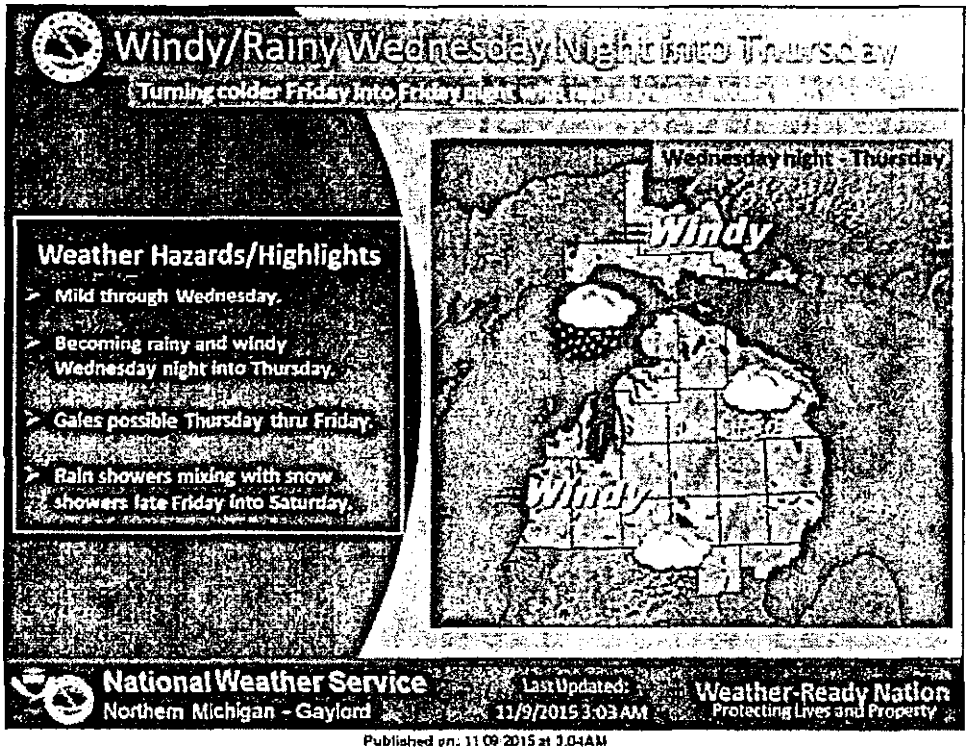
Marquette



Published on: 11/09/2015 at 5:38AM

Upper level high pressure will maintain dry and unseasonably warm conditions into Tuesday. As a deepening storm system approaches from the Central Plains expect breezy conditions with an increasing chance of rain Wednesday into Thursday. Blustery northwest winds behind the system will bring in much colder air resulting in a mix of lake effect rain and snow showers Thursday night into Friday.

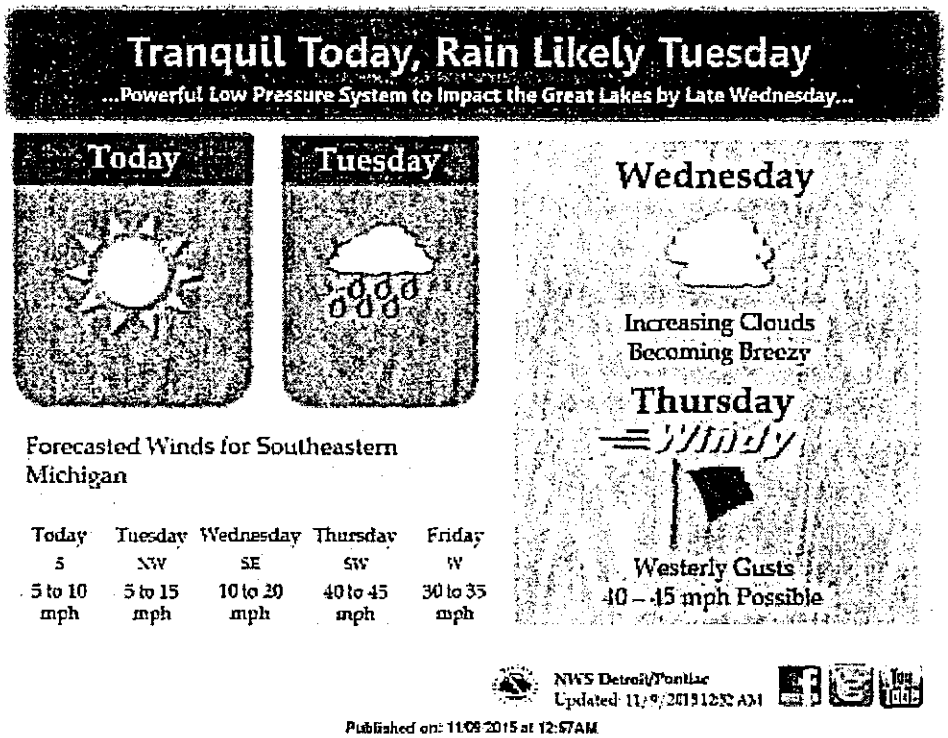
Gaylord



Published on: 11/09/2015 at 3:04AM

Mild weather will continue through Wednesday. A deepening storm system emerging out of the central Plains will bring rain and wind later in the week.

Detroit

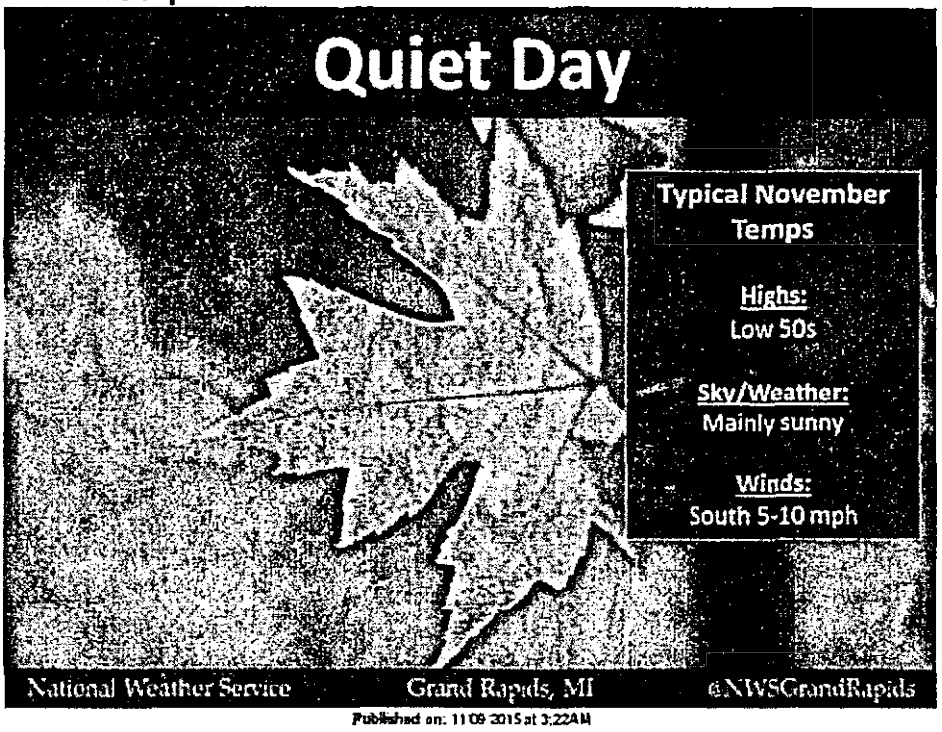


Published on: 11/09/2015 at 12:57AM

Weak surface high pressure will gradually breakdown today leading to a continuation of tranquil weather. A disturbance across the southern U.S. will lift northward bringing increased moisture to the state for Tuesday. Light rain is expected to spread across much of the area tonight and linger into Tuesday morning. Breezy conditions will eventually develop on Wednesday in advance of a powerful low

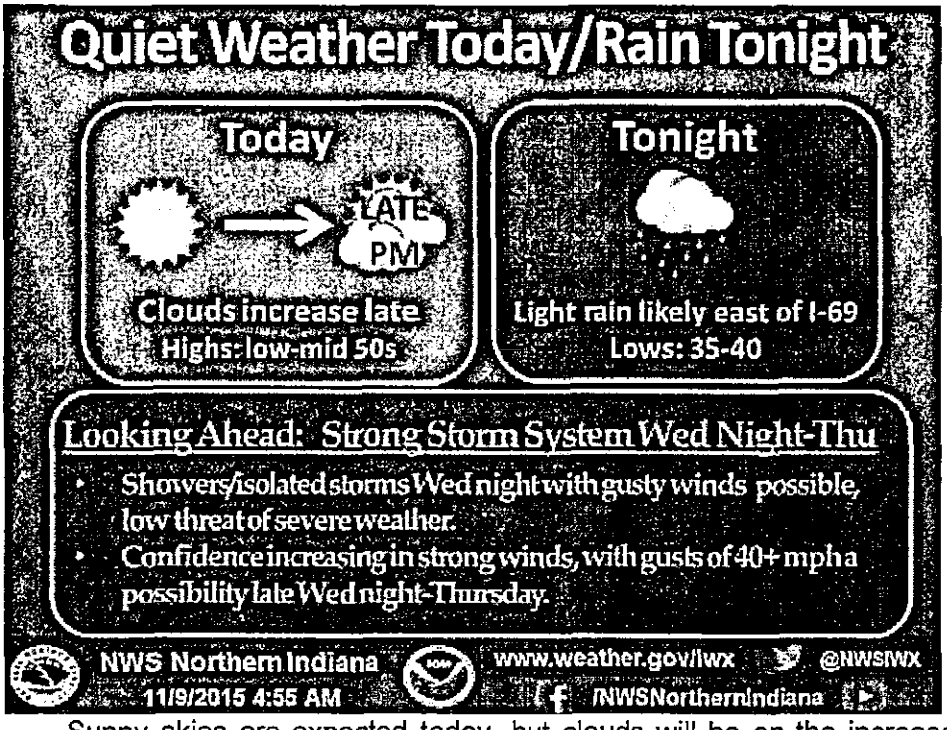
pressure system. The low pressure center is forecasted to lift into the western Great Lakes and through the Straits on Thursday.

Grand Rapids



A nice November day is in store, with typical temperatures in the low 50s. Some showers move in late tonight for areas along and east of I-69.

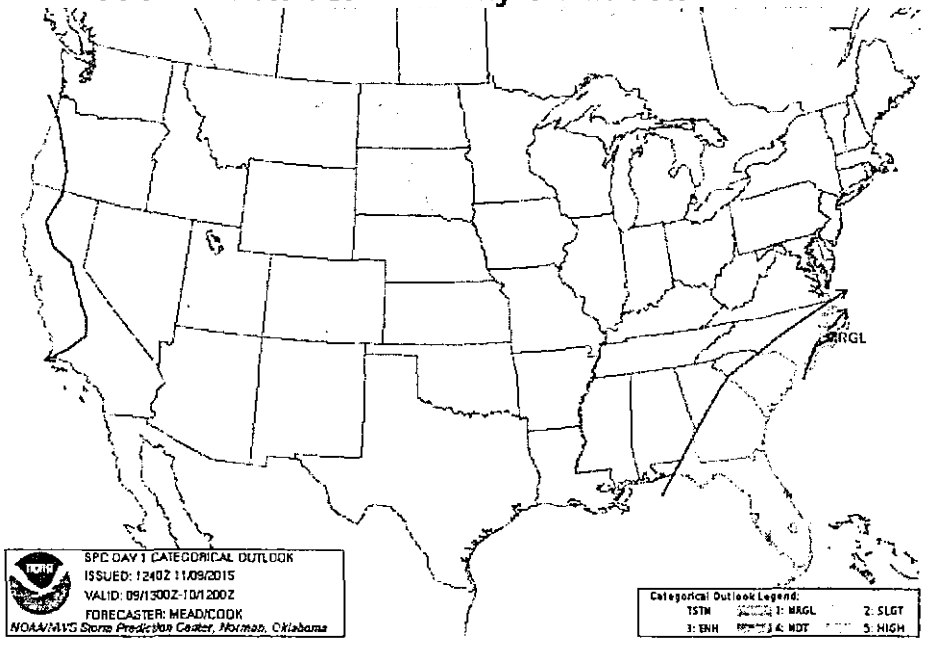
Northern Indiana



Sunny skies are expected today, but clouds will be on the increase from south to north later this afternoon as an upper level disturbance slowly approaches the region. This system is expected to spread light rain across the area tonight, especially for locations roughly along and east of Interstate 69. Rain will

taper early Tuesday morning, with quiet conditions through Tuesday night. Looking ahead, a strong storm system will develop across the central United States Wednesday, and bring a period of rain showers and isolated thunderstorms Wednesday night. There is a low threat of severe weather Wednesday night, but strong winds are expected across the entire region Wednesday night and Thursday as this system strengthens across the Great Lakes.

Storm Prediction Center – Day 1 Outlook



TV/Radio Clips

Friday tornadoes

WXYZ-DET (ABC) in Detroit, November 7, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=0ea7d0ac-6c03-4312-90d9-05c314d2cf00

Social Media

Twitter

A.G. Bill Schuette @SchuetteOnDuty

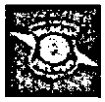
26 Yrs ago I saw the #BerlinWall come down before my very eyes. Met w/freedom fighters who helped usher in liberty. pic.twitter.com/pRCr7zBrAj

NWS Gaylord @NWSGaylord

A strong system is expected late this week. Here's an early look at the details. #miwx pic.twitter.com/0p1EvqXBRj

NWS Detroit @NWSDetroit

MI Winter Awareness Week ends, but you can always prepare for winter by visiting ow.ly/UmHQ6 #miwx pic.twitter.com/9ttDhaEbkY



MSP Public Affairs @MichStatePolice

Great work by the #WakefieldPost for gathering over 13,000 lbs. of food for local food pantries. bit.ly/1MKnvIG (via @UPABC10)

MI Prepares @MIPrepares

Have a paper copy of your emergency plan in case of a power outage. The MI Prepares app gives you a PDF to print! pic.twitter.com/iaH3SsRlw0

MSP Metro Detroit @mspmetrodet

Please use a designated driver! You will not only save your life but maybe ours!! pic.twitter.com/iJnYjHnITg

Nancy Kaffer @nancykaffer

What would it have cost to keep #flintwater free of lead? $60/day, according to a 2011 city report on.freep.com/1ldyxK2 #flintwatercrisis

Mona Hanna-Attisha @MonaHannaA

#FlintWaterCrisis People need to go to jail. Another awesome article @nancykaffer freep.com/story/opinion/...

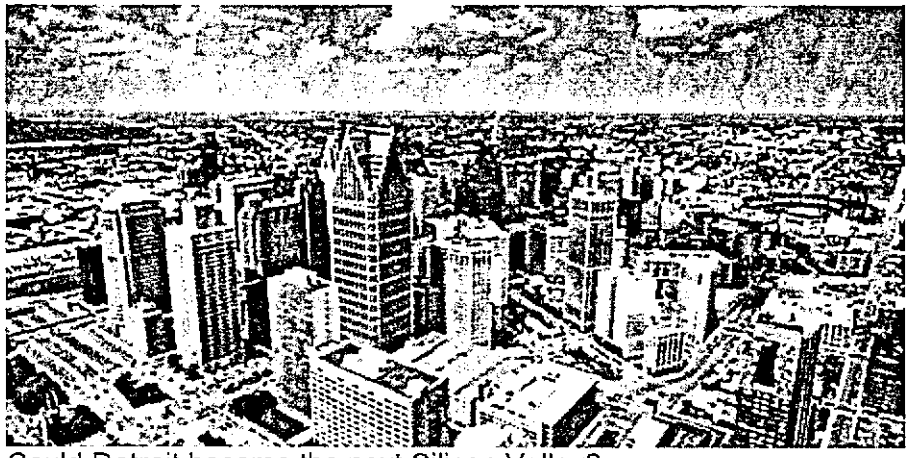
Flint Water Study @flintwaterstudy

Dr. Yanna Lambrinidou's Dissenting Opinion on the Upcoming Lead and Copper Rule (LCR)... flintwaterstudy.org/2015/11/dr-yan... pic.twitter.com/gYcXCRr9ql

Facebook

Governor Rick Snyder
14 hrs ·

You bet it could. #ComebackCity



Could Detroit become the next Silicon Valley?
Detroit might not be the first place that comes to mind when you think of technology, but that's changing. Amazon recently announced plans to build corporate offices in downtown Detroit.
cio.com|By Sarah K. White

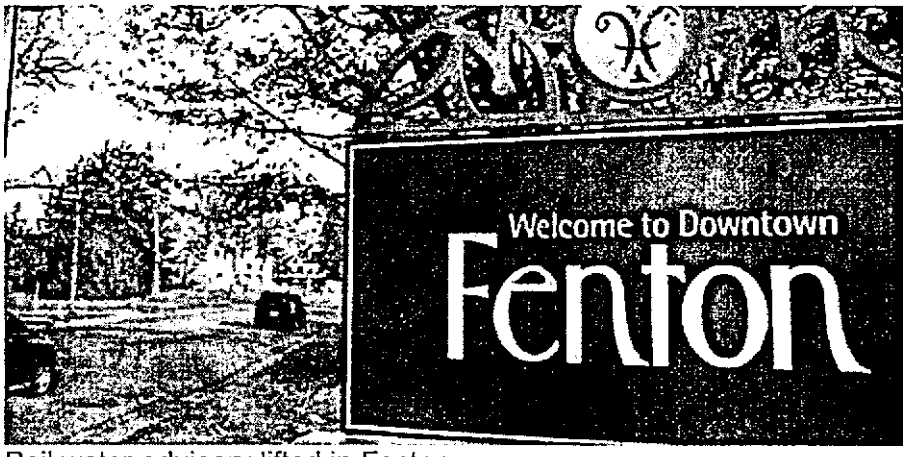
Newschannel 3, CBS News, WWMT, West Michigan
1 hr ·

"There was a mutant going around last year that was making people ill and that's why they said the flu shot was only 20% effective. So they took that mutant and put it into this vaccine."

Doctors: Flu vaccine more effective this year
Kalamazoo, Mich. (NEWSCHANNEL 3) - In November 2014 the flu virus was running rampant through West Michigan and local infectious disease doctors said that so far this year there has been just one confirmed flu case in Kalamazoo...
www.wwmt.com|By Sinclair Broadcast Group

The Flint Journal
20 hrs ·

Update for residents in one Genesee County community impacted by a boil water advisory: http://bit.ly/1QcyJpR



Boil water advisory lifted in Fenton
A boil water advisory put in place Thursday, Nov. 5, by Fenton officials after a water main was found broken has been lifted.
mlive.com

The Flint Journal
22 hrs ·

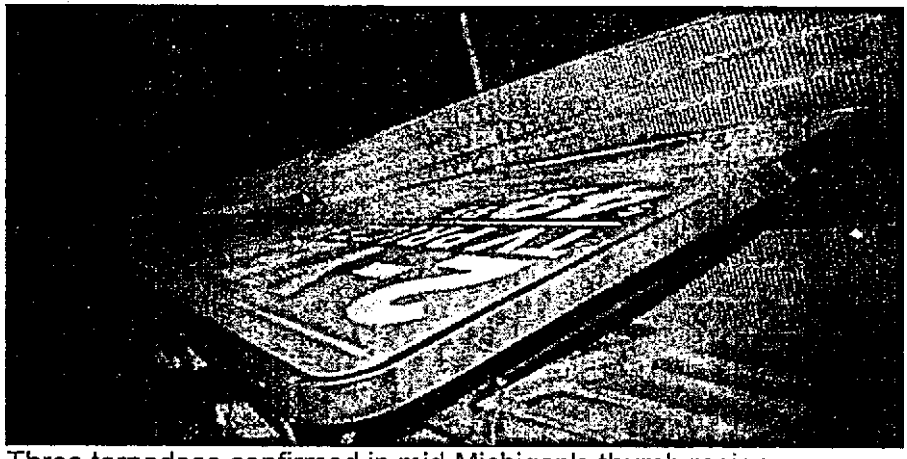
After two days spent wrangling votes and a marathon committee meeting where legislators considered more than 20 proposed amendments, the bills came out much different from what was first introduced.

Perhaps the biggest substantive change was that the bills aligned to what Snyder had proposed in March as a "fair choice," allowing 10 percent of customers to continue purchasing electricity from alternative suppliers on an open market instead of their incumbent utilities.: http://bit.ly/1L4urZN

Gov. Rick Snyder backs committee-approved House energy plan for Michigan
Gov. Rick Snyder on Friday issued a statement in support of the House energy plan approved by the House Energy Policy Committee this week, saying the bills...
mlive.com

ABC12: Your Trusted Source! WJRT-TV
November 7 at 7:00am ·

#ICYMI: Here's a detailed look at the communities that will be doing a bit of cleaning up this weekend.



Three tornadoes confirmed in mid-Michigan's thumb region
Residents say they were caught by surprise.
http://www.abc12.com|By Caresse Jackman

Sobocinski, Mike (MSP)

From:	MSP-EMHSD-NEWS
Sent:	Friday, November 06, 2015 11:24 AM
To:	MSP-EMHSD-NEWS
Subject:	Media Monitoring Report -- Nov. 6, 2015
Attachments:	Media Monitoring - 2015.11.06.pdf

MEDIA MONITORING REPORT

11/06/2015

Issues:

- No issues to report.

Summary:

- Flint residents should be warned of the potential risk of increased lead in drinking water when crews do underground work that could affect pipes, according to a report from the U.S. Environmental Protection Agency.
- Local health officials and the federal government are warning Flint residents that the danger from their tap water has not subsided even though the city has reconnected to Detroit's water system.
- People in Flint have been drinking water that tests have shown is laced with lead and detrimental health effects are already happening, WXYZ reports.
- Michigan Radio posted an article on how Flint's water crisis helped passed the road funding plan.
- Genesee County agencies are set to give Flint residents replacement cartridges for filters distributed in the city to prevent lead from getting into drinking water.
- Senate Minority Leader Jim Ananich, D-Flint, would like an investigation into the crisis that began when the City of Flint switched its water source from the Detroit water and sewerage system to water from the Flint River.
- Michigan Radio reports that MDEQ knowingly dropped lead test samples to avoid exceeding a federal drinking water standard.
- Governor Rick Snyder has announced that the state of Michigan has retained its accreditation by the Emergency Management Accreditation Program or EMAP.
- The Michigan State Police, Emergency Management and Homeland Security Division is encouraging Michiganders to make winter emergency preparedness a priority.
- WZZM reports on what it the new road funding bill may cost Michigan citizens.
- Twelve members of Michigan's congressional delegation have written to the new Canadian prime minister urging him to block plans for an underground storage facility for nuclear waste near Lake Huron in Ontario.
- Michigan school districts will have new rules for evaluating teacher performance under a new law signed Thursday by Gov. Rick Snyder.
- National Weather Service forecast updates.
- TV clips: Tracing dangerous decisions in the Flint water emergency.

Analysis:

- Media coverage is neutral and negative.
- The EPA's report on the Flint water situation was released Wednesday, warning Flint residents that there are still potential health risks still after switching back to Detroit water.
- Michigan Senate Minority Leader Jim Ananich continues to call for an investigation in to the Flint water situation.
- Michigan Radio reported that the Michigan Dept. of Environmental Quality knowingly dropped lead test samples to avoid exceeding a federal drinking water standard.
- Will continue to monitor the situation.
- WNMU FM reported that Governor Rick Snyder has announced that the state of Michigan has retained its accreditation by the Emergency Management Accreditation Program.

Flint Water
EPA report warns of more potential Flint water problems
Experts: Water health dangers don't subside in Fling
How did the Flint water crisis begin and what will it mean for families who drank the water?
How flint's water crisis pushed road funding plan ahead
County agencies prepare to distribute water filter replacement cartridges in Flint
Flint lawmaker wants hearings on water controversy
Experts says Michigan officials changed a Flint lead report to avoid federal action
Emergency Management and Homeland Security
State of Michigan retains National Emergency Management accreditation
Still time to prepare for winter hazards
Michigan Politics
What it may cost you for better Michigan roads
Mich. lawmakers want Canada nuke waste facility blocked
Snyder signs Michigan teacher evaluation overhaul into law
National Weather Service Forecasts
Marquette
Gaylord
Detroit
Grand Rapids
Northern Indiana
Storm Prediction Center – Day 1 Outlook
TV/Radio Clips
Tracing dangerous decisions in the Flint water emergency
Social Media
Twitter
Facebook

FLINT WATER

EPA report warns of more potential Flint water problems

The Oakland Press, November 5, 2015

FLINT (AP) >> Flint residents should be warned of the potential risk of increased lead in drinking water when crews do underground work that could affect pipes, according to a report from the U.S. Environmental Protection Agency.

The recommendation was included in an EPA report released Wednesday about high lead levels in drinking water at three homes. The EPA said the report is being sent to the National Drinking Water Advisory Council for discussion next month, The Flint Journal reported.

Experts: Water health dangers don't subside in Fling

Detroit News, November 5, 2015

Local health officials and the federal government are warning Flint residents that the danger from their tap water has not subsided even though the city has reconnected to Detroit's water system.

Dr. Mona Hanna-Attisha, the Hurley Medical Center pediatrician who uncovered lead exposure in city children two months ago, wants residents to continue their use of bottled water. This comes three weeks after Flint began receiving its drinking water from the Detroit Water and Sewerage Department.

How did the Flint water crisis begin and what will it mean for families who drank the water?

WXYZ, November 5, 2015

(WXYZ) - The evidence is overwhelming - state and federal officials failed to protect something we all take for granted: tap water.

People in Flint have been drinking water that tests have shown is laced with lead snd detrimental health effects are already happening.

It could have been prevented.

How flint's water crisis pushed road funding plan ahead

Michigan Radio, November 6, 2015

I heard from several puzzled people yesterday, after Governor Rick Snyder proclaimed he would sign the road fund package the legislature narrowly passed on election night.

"I don't get it," one man said. "I thought the governor said that cutting the general fund by $600 million a year was too much." Well, yes, he did say that.

A similar road funding approach fell apart barely two months ago, because the governor said he couldn't support cuts that deep. Snyder's press secretary, Sara Wurfel, said he was worried about "jeopardizing the state's financial stability and comeback."

County agencies prepare to distribute water filter replacement cartridges in Flint

MLive, November 5, 2015

FLINT, MI — Genesee County agencies are set to give Flint residents replacement cartridges for filters distributed in the city to prevent lead from getting into drinking water.

The Genesee County Health Department issued a news release reminding city residents water filters will need to be changed soon.

Flint lawmaker wants hearings on water controversy

Detroit Free Press, November 5, 2015

LANSING — There are already at least three investigations into the Flint water crisis — one by a task force appointed by Gov. Rick Snyder, another by the U.S. Environmental Protection Agency and a third by the state's auditor general.

But Senate Minority Leader Jim Ananich, D-Flint, would like a another investigation into the crisis that began when the City of Flint switched its water source from the Detroit water and sewerage system to water from the Flint River.

Experts says Michigan officials changed a Flint lead report to avoid federal action

Michigan Radio, November 5, 2015

The Environmental Protection Agency says it's conducting a full review of what happened in Flint.

For more than a year, state officials assured city residents their water was safe. Those assurances turned out to be wrong.

And it wasn't until some residents got outside experts involved -- who not only found elevated lead levels in the drinking water, but that blood lead levels were also rising in Flint kids – that the state admitted there was a problem.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

State of Michigan retains National Emergency Management accreditation

WNMU FM, November 5, 2015

LANSING, MI - Governor Rick Snyder has announced that the state of Michigan has retained its accreditation by the Emergency Management Accreditation Program or EMAP. The national accreditation reaffirms the ability of state government to prepare for and respond to all types of emergencies and disasters.

To achieve reaccreditation, Michigan was required to document how the state's emergency preparedness and response system meets 64 national standards.

Still time to prepare for winter hazards

Boyne City Gazette, November 6, 2015

It won't take anything as extreme as a zombie apocalypse or asteroid slamming into Earth to create havoc with your daily life.

Facts are that a simple power outage in wintertime can suddenly leave you and your family without heat, light, water and other life-sustaining necessities.

With winter weather rapidly approaching, the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) is encouraging Michiganders to make winter emergency preparedness a priority.

MICHIGAN POLITICS

What it may cost you for better Michigan roads

WZZM 13, November 4, 2015

LANSING, Mich. (AP) - Republicans call it a monumental plan that will finally patch deteriorating roads and make transportation funding a long-term budget priority after years of neglect.

Democrats say the legislation that Gov. Rick Snyder will sign is a sham that puts at risk other government services and, despite raising taxes and fees, does not pump enough money into infrastructure for five years.

Mich. lawmakers want Canada nuke waste facility blocked

Detroit News, November 5, 2015

Washington — Twelve members of Michigan's congressional delegation have written to the new Canadian prime minister urging him to block plans for an underground storage facility for nuclear waste near Lake Huron in Ontario.

The majority of Michigan's 16 congressional members want Prime Minister Justin Trudeau, who was sworn in Wednesday, not to issue construction permits for the project by Ontario Power Generation to

construct a deep geologic repository near Kincardine, three-quarters of a mile from the shore of the lake. The facility would hold low- to intermediate-level nuclear waste for hundreds of years.

Snyder signs Michigan teacher evaluation overhaul into law

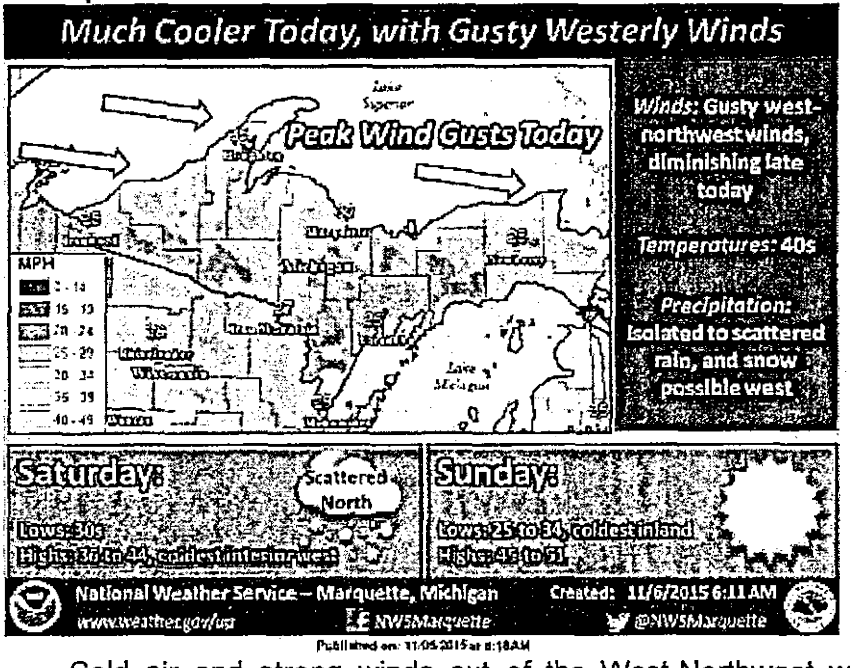
MLive, November 5, 2015

LANSING, MI — Michigan school districts will have new rules for evaluating teacher performance under a new law signed Thursday by Gov. Rick Snyder.

The law modifies teacher evaluation requirements that had been scheduled to take effect this school year, de-emphasizing student test scores and allowing districts more flexibility to choose their own evaluation tools.

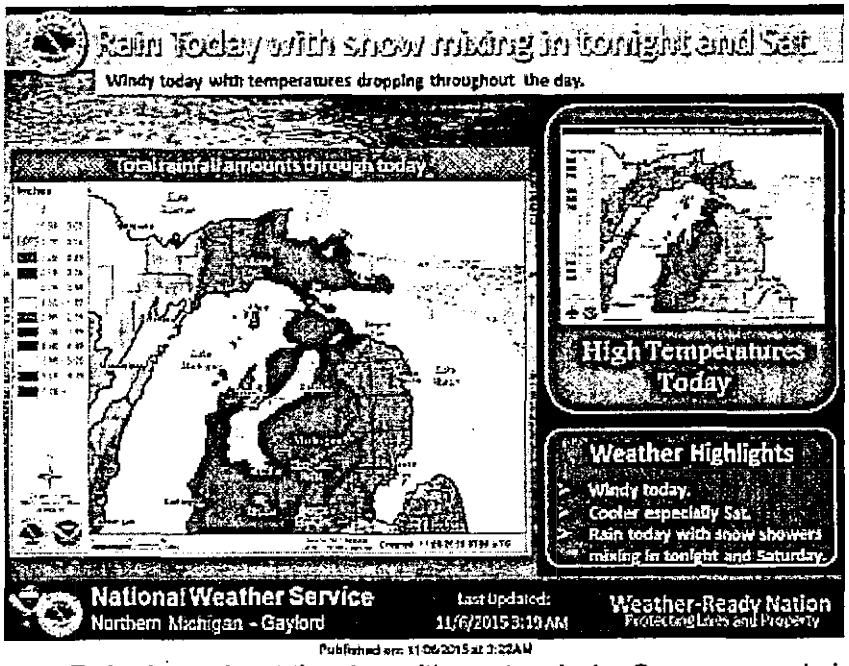
NATIONAL WEATHER SERVICE FORECASTS

Marquette



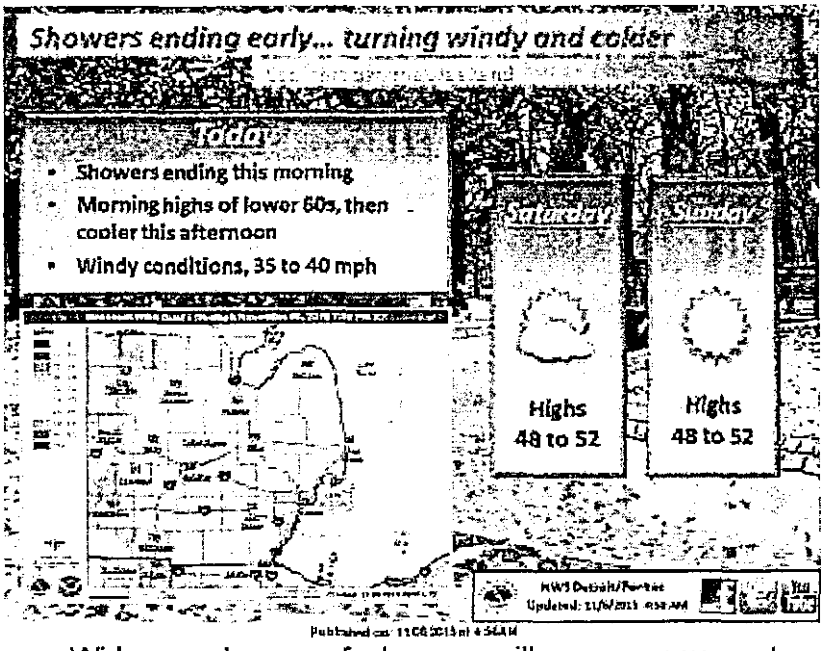
Cold air and strong winds out of the West-Northwest will be the theme today, behind exiting low pressure across James Bay and Northern Quebec. Temperatures will hover mainly in the 40s today, which believe it or not is more typical for early November. While winds will slowly diminish later today, the potential for rain or even snow will be on the increase tonight across the West-Northwest wind favored snowbelts (basically from Ontonagon up through the Keweenaw Peninsula, and again along Lake Superior east of Munising). Look for a cool day Saturday, with temperatures topping out in the mid 30s to mid 40s and lingering snow showers along Lake Superior. High pressure will slowly build into the region to close out the weekend, resulting in temperatures rebounding back into the 40s to around 50 degrees Sunday.

Gaylord



Rain throughout the day with gusty winds. Snow may mix in late tonight and Saturday.

Detroit



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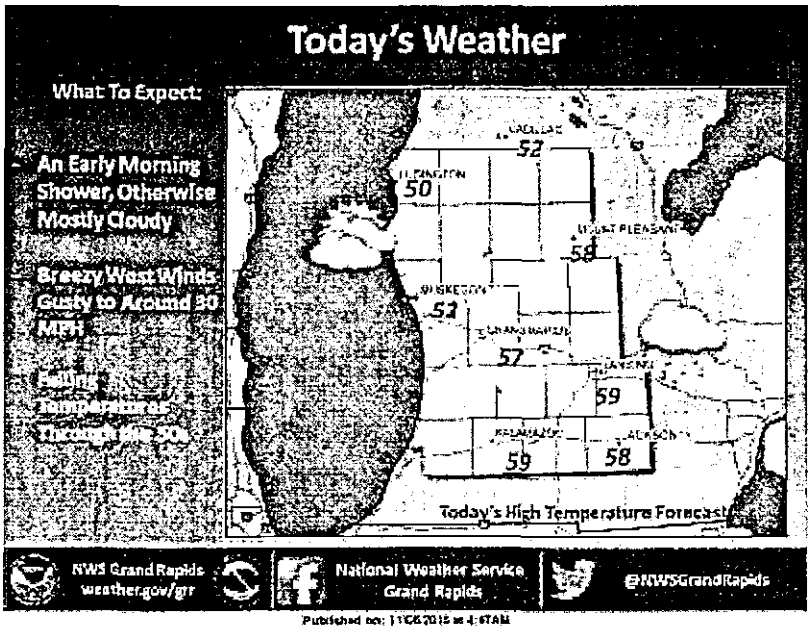
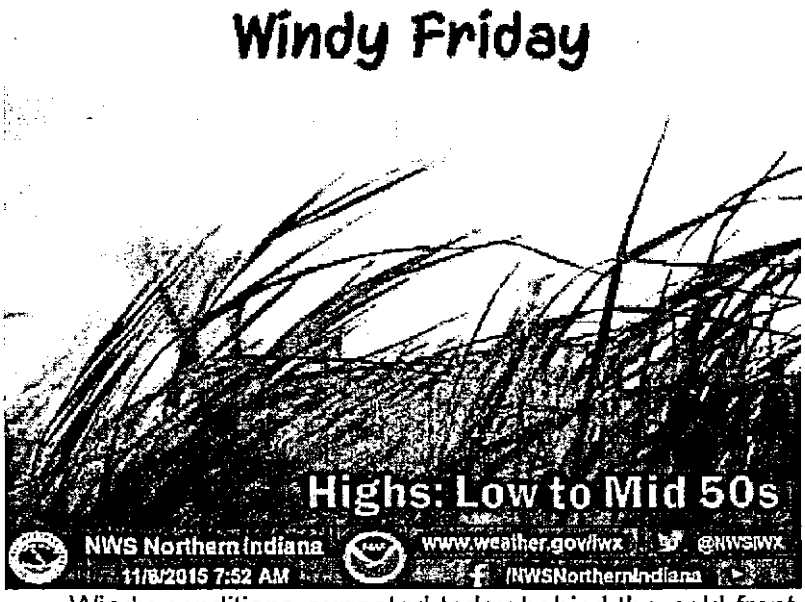
Grand Rapids



After early morning showers, it will be windy, mostly cloudy and cooler the rest of the day.

Northern Indiana



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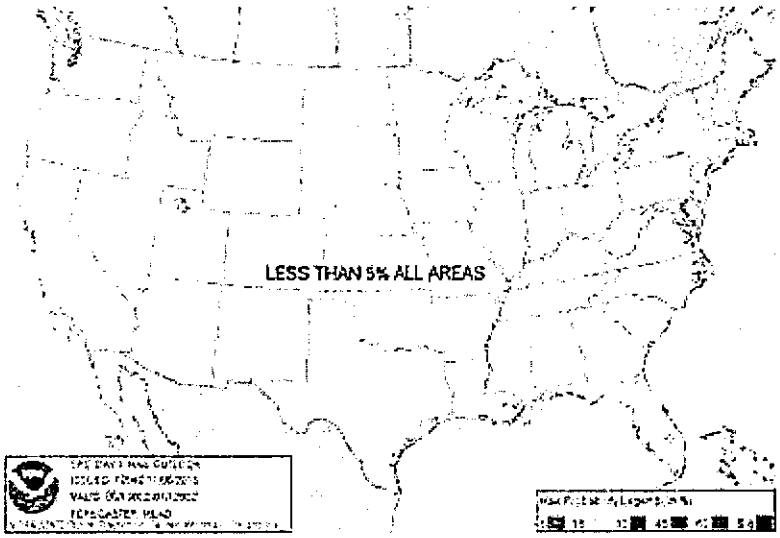
Storm Prediction Center – Day 1 Outlook



TV/Radio Clips

Tracing dangerous decisions in the Flint water emergency

WXYZ (ABC) in Flint, November 5, 2015

http://www.wxyz.com/news/how-did-the-flint-water-crisis-began-and-what-will-it-mean-for-the-families-who-drank-the-water

Social Media

Twitter

NWS Detroit @NWSDetroit

Do you have storm damage from this morning? Please pass them along to us! (especially if you live in the northern counties)! #nwsdtx

MichEMHS @MichEMHS

Since 2001, the center has trained or helped train more than 50,000 students in the state of Michigan. pic.twitter.com/WkrdfACKzZ

MichEMHS @MichEMHS

Our training center held a HAZMAT tech class yesterday. Students were learning safety in our simulation yard. pic.twitter.com/eAp5Fz1k0Y

MSP Public Affairs @MichStatePolice

Great work by the #WakefieldPost for gathering over 13,000 lbs. of food for local food pantries. bit.ly/1MKnvIG (via @UPABC10)

The Oakland Press @TheOaklandPress

.@EPA report warns of more potential #FlintWater problems bit.ly/1WD0BCc pic.twitter.com/dahRVzrCf0

NWS Marquette @NWSMarquette

Cool and blustery today, with gusty West-Northwest winds! Temps will hover mainly in the 40s today (near normal). pic.twitter.com/fpNLldXwLp

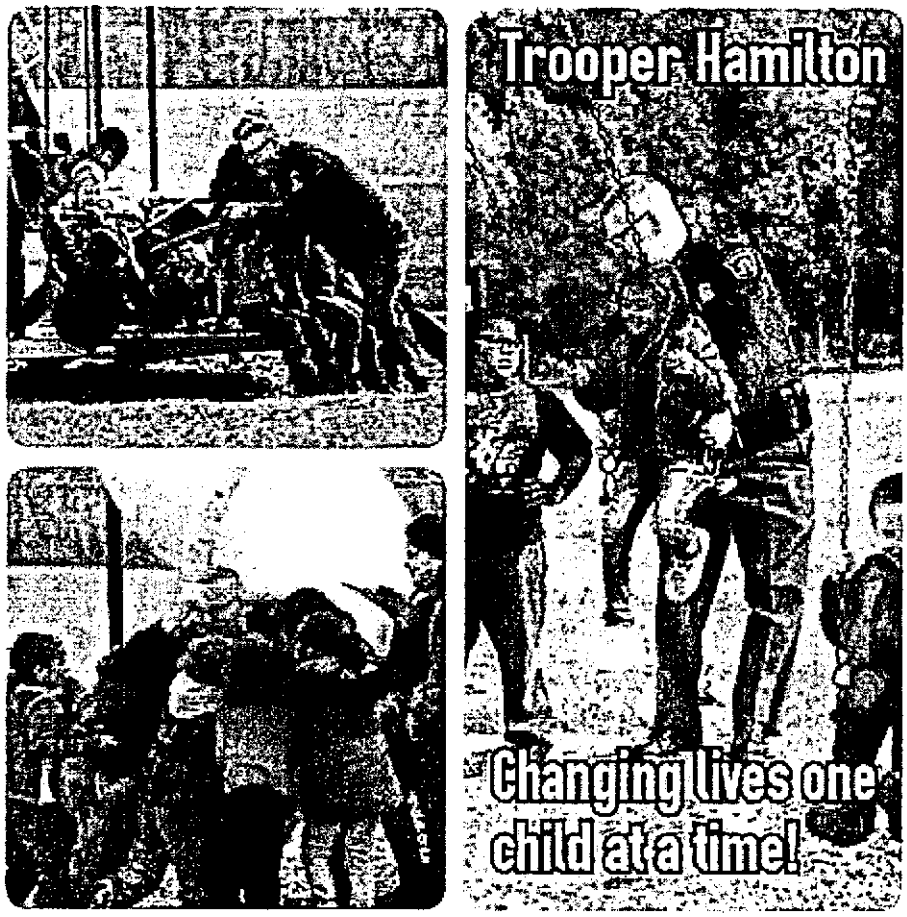
Facebook

Michigan State Police
17 hrs ·

Did you know there are locations all around the state where you can safely dispose of unwanted pharmaceuticals? All MSP posts now serve as drop-off locations for the safe and anonymous disposal of expired, unwanted or unused prescription drugs. Keep prescription medications out of the hands of children and out of our environment by properly disposing of them. For more information about this service, visit http://bit.ly/1kdp7hJ

Michigan State Police shared Rachel Burdett Symonds's photo.
22 hrs ·

Thanks Rachel for sharing these photos of Trooper Hamilton spending some time with kids at a playground in Covert! #GoodCop #WhyIWearTheBadge



Michigan State Police
Yesterday at 5:10am ·

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MSP coordinated food drive doubles in weight (via ABC10 & CW5 UP)

MSP coordinated food drive doubles in weight - Upper Peninsula ABC 10
Michigan State Police officers get involved with gathering food for those in need every year. This year, one post raised over twice as much as last year.
abc10up.com

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21 hrs ·

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Gov. Rick Snyder signs bipartisan legislation strengthening and clarifying teacher evaluations
Teachers statewide will have better opportunities for continuous professional growth.
michigan.gov

Governor Rick Snyder
November 3 at 8:15pm ·

BREAKING: Gov. Rick Snyder issued the following statement after the state House and Senate approved a comprehensive plan to address Michigan's infrastructure challenges.

"The state House and Senate today approved a fiscally responsible, comprehensive transportation plan that provides a long-term solution with new revenue that also provides long-term tax relief. This is the largest investment in Michigan roads and bridges in more than half a century, making them safer for Mich...iganders long into the future.

"I commend my partners in the Legislature for their resolve and their willingness to compromise. These are difficult decisions. If left unaddressed, our infrastructure problems would have grown more expensive to fix, there would have been greater damage to our vehicles and, more importantly, more drivers left to face unsafe conditions.

"The plan approved today includes new revenue generated by people and businesses using the roads -- including non-residents. It helps with public transportation that is vital for many to get to work and school. And it's good for our economy, strengthening the network of local, state and federal roads that is vital for

all of our job-creators. It also allows us to continue investing in our core priorities that help Michiganders and fuel our state's comeback.

"This plan also shows people around the country and around the world that Michiganders face our toughest problems and solve them. Preserving our roads and bridges has been a priority, and is another important step we've taken to make our state a better place to live and work."

The solution to improve Michigan's roads and bridges
Governor Snyder has announced a sustainable, long-term solution to improve Michigan's roads and bridges, making them safer for Michigan's families.
michigan.gov

Grand Traverse County Emergency Management
23 hrs ·

In preparation for the winter weather that will come in the months ahead, the Michigan Committee for Severe Weather Awareness advises you to take the time now to prepare your household for the unexpected.

Winter storms often cause power outages and loss of heat for periods of hours, or even days. Impassable roads and the loss of telephone service can further isolate your family.

Ensure you have a well stocked home emergency kit. Items you should have on hand to cope with such... crises are high energy food, such as dried fruit, nuts or other high protein snacks, and food requiring no cooling or refrigeration. Extra medicine and baby items should also be stocked, along with first aid supplies. You would also want bottled water. Do not forget extra batteries for flashlights and portable radios. Your information sources should include a NOAA All-Hazards Weather Radio, for receipt of warning and advisory information in addition to continuous broadcast of current conditions and forecasts.

Home emergency kit

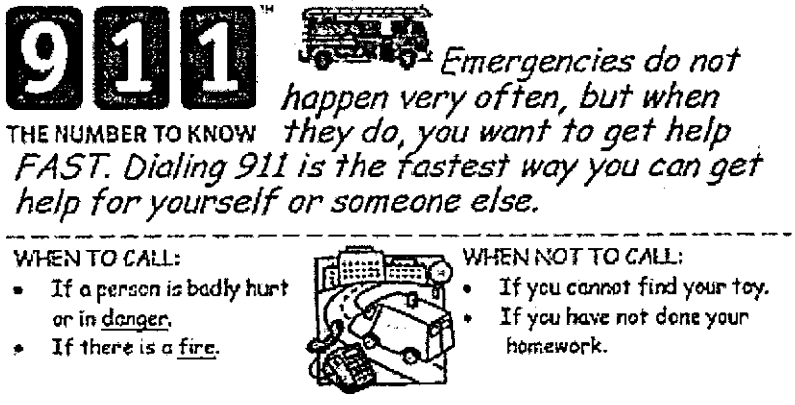
An emergency heating source, such as a fireplace, wood stove, space heater, or a generator can be a lifesaver, but can also turn deadly. These must be used with adequate ventilation, and all precautions should be taken to prevent fires or carbon monoxide poisoning. Smoke detectors, fire extinguishers, and carbon monoxide detectors are valuable equipment that can prevent tragedy. When the temperatures drop, limit the potential for frozen pipes by trickling warm water through faucets of an outside wall and open cabinet doors.

For more information on safety kits and home preparedness, please visit the Michigan Weather Preparedness Page.

See More

Grand Traverse County Emergency Management
November 4 at 6:00am ·

Teach your children how and when to call 9-1-1 or your local Emergency Medical Services number for help. Post these and other emergency telephone numbers by telephones.



MEDIA MONITORING REPORT

11/06/2015

Issues:

- No issues to report.

Summary:

- Flint residents should be warned of the potential risk of increased lead in drinking water when crews do underground work that could affect pipes, according to a report from the U.S. Environmental Protection Agency.
- Local health officials and the federal government are warning Flint residents that the danger from their tap water has not subsided even though the city has reconnected to Detroit's water system.
- People in Flint have been drinking water that tests have shown is laced with lead and detrimental health effects are already happening, WXYZ reports.
- Michigan Radio posted an article on how Flint's water crisis helped passed the road funding plan.
- Genesee County agencies are set to give Flint residents replacement cartridges for filters distributed in the city to prevent lead from getting into drinking water.
- Senate Minority Leader Jim Ananich, D-Flint, would like an investigation into the crisis that began when the City of Flint switched its water source from the Detroit water and sewerage system to water from the Flint River.
- Michigan Radio reports that MDEQ knowingly dropped lead test samples to avoid exceeding a federal drinking water standard.
- Governor Rick Snyder has announced that the state of Michigan has retained its accreditation by the Emergency Management Accreditation Program or EMAP.
- The Michigan State Police, Emergency Management and Homeland Security Division is encouraging Michiganders to make winter emergency preparedness a priority.
- WZZM reports on what it the new road funding bill may cost Michigan citizens.
- Twelve members of Michigan's congressional delegation have written to the new Canadian prime minister urging him to block plans for an underground storage facility for nuclear waste near Lake Huron in Ontario.
- Michigan school districts will have new rules for evaluating teacher performance under a new law signed Thursday by Gov. Rick Snyder.
- National Weather Service forecast updates.
- TV clips: Tracing dangerous decisions in the Flint water emergency.

Analysis:

- Media coverage is neutral and negative.
- The EPA's report on the Flint water situation was released Wednesday, warning Flint residents that there are still potential health risks still after switching back to Detroit water.
- Michigan Senate Minority Leader Jim Ananich continues to call for an investigation in to the Flint water situation.
- Michigan Radio reported that the Michigan Dept. of Environmental Quality knowingly dropped lead test samples to avoid exceeding a federal drinking water standard.
- Will continue to monitor the situation.

- WNMU FM reported that Governor Rick Snyder has announced that the state of Michigan has retained its accreditation by the Emergency Management Accreditation Program.

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EPA report warns of more potential Flint water problems 2
Experts: Water health dangers don't subside in Fling 2
How did the Flint water crisis begin and what will it mean for families who drank the water? 3
How flint's water crisis pushed road funding plan ahead 3
County agencies prepare to distribute water filter replacement cartridges in Flint 3
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FLINT WATER

EPA report warns of more potential Flint water problems

The Oakland Press, November 5, 2015

FLINT (AP) >> Flint residents should be warned of the potential risk of increased lead in drinking water when crews do underground work that could affect pipes, according to a report from the U.S. Environmental Protection Agency.

The recommendation was included in an EPA report released Wednesday about high lead levels in drinking water at three homes. The EPA said the report is being sent to the National Drinking Water Advisory Council for discussion next month, The Flint Journal reported.

Experts: Water health dangers don't subside in Fling

Detroit News, November 5, 2015

Local health officials and the federal government are warning Flint residents that the danger from their tap water has not subsided even though the city has reconnected to Detroit's water system.

Dr. Mona Hanna-Attisha, the Hurley Medical Center pediatrician who uncovered lead exposure in city children two months ago, wants residents to continue their use of bottled water. This comes three weeks after Flint began receiving its drinking water from the Detroit Water and Sewerage Department.

How did the Flint water crisis begin and what will it mean for families who drank the water?

WXYZ, November 5, 2015

(WXYZ) - The evidence is overwhelming - state and federal officials failed to protect something we all take for granted: tap water.

People in Flint have been drinking water that tests have shown is laced with lead snd detrimental health effects are already happening.

It could have been prevented.

How flint's water crisis pushed road funding plan ahead

Michigan Radio, November 6, 2015

I heard from several puzzled people yesterday, after Governor Rick Snyder proclaimed he would sign the road fund package the legislature narrowly passed on election night.

"I don't get it," one man said. "I thought the governor said that cutting the general fund by $600 million a year was too much." Well, yes, he did say that.

A similar road funding approach fell apart barely two months ago, because the governor said he couldn't support cuts that deep. Snyder's press secretary, Sara Wurfel, said he was worried about "jeopardizing the state's financial stability and comeback."

County agencies prepare to distribute water filter replacement cartridges in Flint

MLive, November 5, 2015

FLINT, MI — Genesee County agencies are set to give Flint residents replacement cartridges for filters distributed in the city to preventlead from getting into drinking water.

The Genesee County Health Department issued a news release reminding city residents water filters will need to be changed soon.

Flint lawmaker wants hearings on water controversy

Detroit Free Press, November 5, 2015

LANSING — There are already at least three investigations into the Flint water crisis — one by a task force appointed by Gov. Rick Snyder, another by the U.S. Environmental Protection Agency and a third by the state's auditor general.

But Senate Minority Leader Jim Ananich, D-Flint, would like a another investigation into the crisis that began when the City of Flint switched its water source from the Detroit water and sewerage system to water from the Flint River.

Experts says Michigan officials changed a Flint lead report to avoid federal action

Michigan Radio, November 5, 2015

The Environmental Protection Agency says it's conducting a full review of what happened in Flint.

For more than a year, state officials assured city residents their water was safe. Those assurances turned out to be wrong.

And it wasn't until some residents got outside experts involved -- who not only found elevated lead levels in the drinking water, but that blood lead levels were also rising in Flint kids – that the state admitted there was a problem.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

State of Michigan retains National Emergency Management accreditation

WNMU FM, November 5, 2015

LANSING, MI - Governor Rick Snyder has announced that the state of Michigan has retained its accreditation by the Emergency Management Accreditation Program or EMAP. The national accreditation reaffirms the ability of state government to prepare for and respond to all types of emergencies and disasters.

To achieve reaccreditation, Michigan was required to document how the state's emergency preparedness and response system meets 64 national standards.

Still time to prepare for winter hazards

Boyne City Gazette, November 6, 2015

It won't take anything as extreme as a zombie apocalypse or asteroid slamming into Earth to create havoc with your daily life.

Facts are that a simple power outage in wintertime can suddenly leave you and your family without heat, light, water and other life-sustaining necessities.

With winter weather rapidly approaching, the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) is encouraging Michiganders to make winter emergency preparedness a priority.

MICHIGAN POLITICS

What it may cost you for better Michigan roads

WZZM 13, November 4, 2015

LANSING, Mich. (AP) - Republicans call it a monumental plan that will finally patch deteriorating roads and make transportation funding a long-term budget priority after years of neglect.

Democrats say the legislation that Gov. Rick Snyder will sign is a sham that puts at risk other government services and, despite raising taxes and fees, does not pump enough money into infrastructure for five years.

Mich. lawmakers want Canada nuke waste facility blocked

Detroit News, November 5, 2015

Washington — Twelve members of Michigan's congressional delegation have written to the new Canadian prime minister urging him to block plans for an underground storage facility for nuclear waste near Lake Huron in Ontario.

The majority of Michigan's 16 congressional members want Prime Minister Justin Trudeau, who was sworn in Wednesday, not to issue construction permits for the project by Ontario Power Generation to construct a deep geologic repository near Kincardine, three-quarters of a mile from the shore of the lake. The facility would hold low- to intermediate-level nuclear waste for hundreds of years.

Snyder signs Michigan teacher evaluation overhaul into law

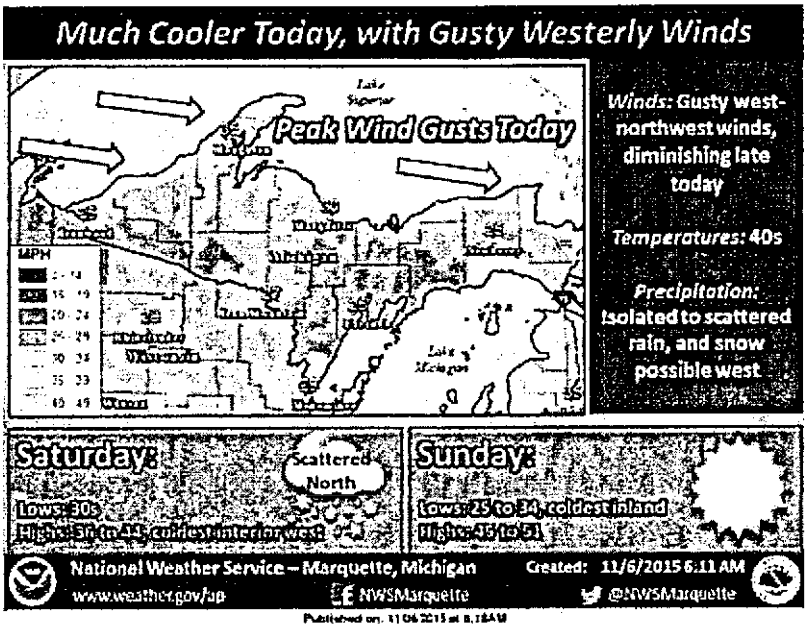
MLive, November 5, 2015

LANSING, MI — Michigan school districts will have new rules for evaluating teacher performance under a new law signed Thursday by Gov. Rick Snyder.

The law modifies teacher evaluation requirements that had been scheduled to take effect this school year, de-emphasizing student test scores and allowing districts more flexibility to choose their own evaluation tools.

NATIONAL WEATHER SERVICE FORECASTS

Marquette



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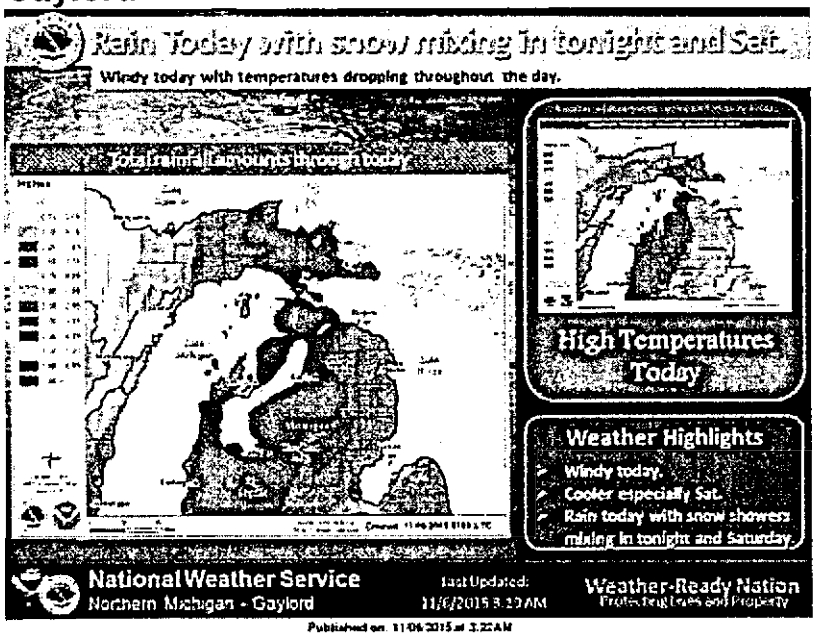

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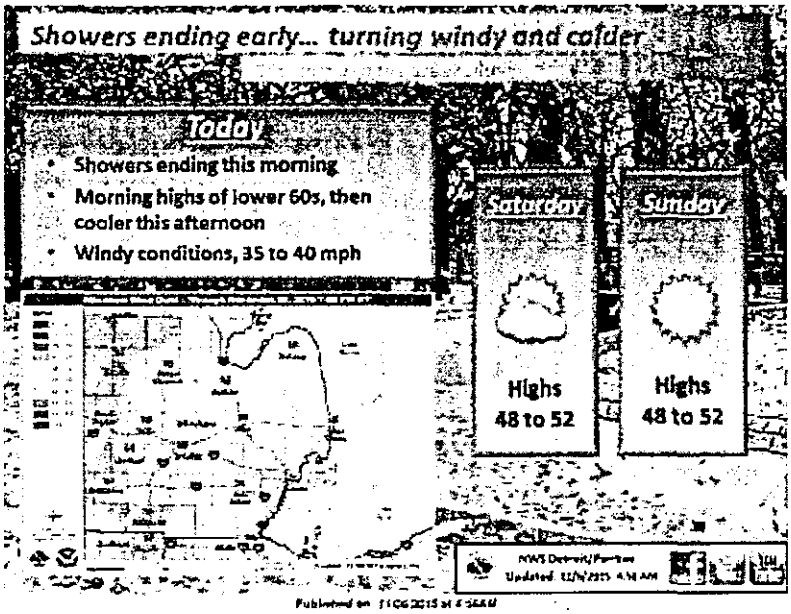

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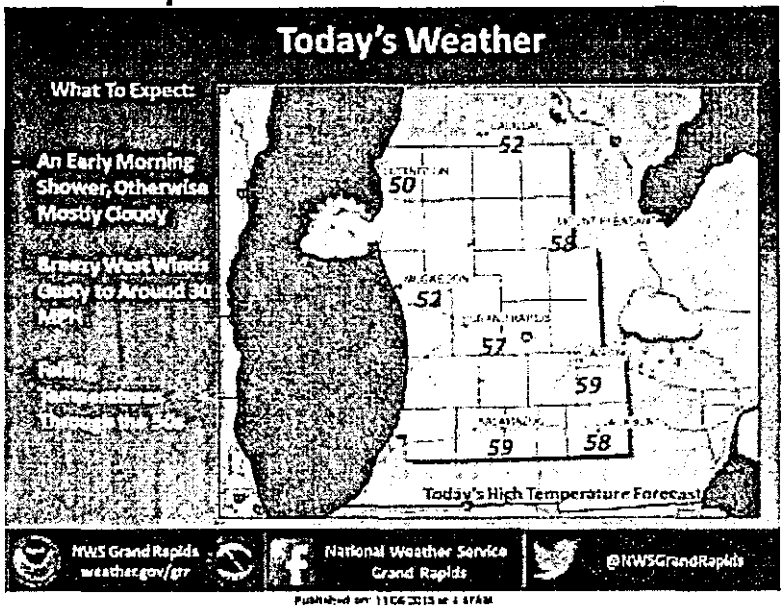

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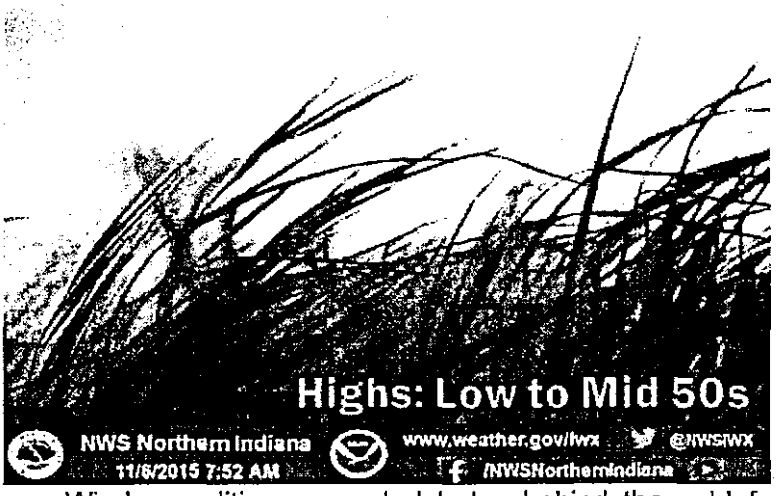
Northern Indiana

Windy Friday



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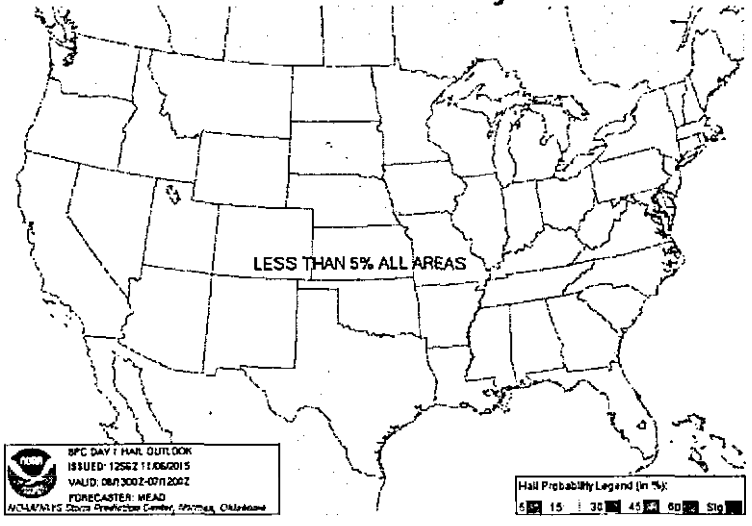

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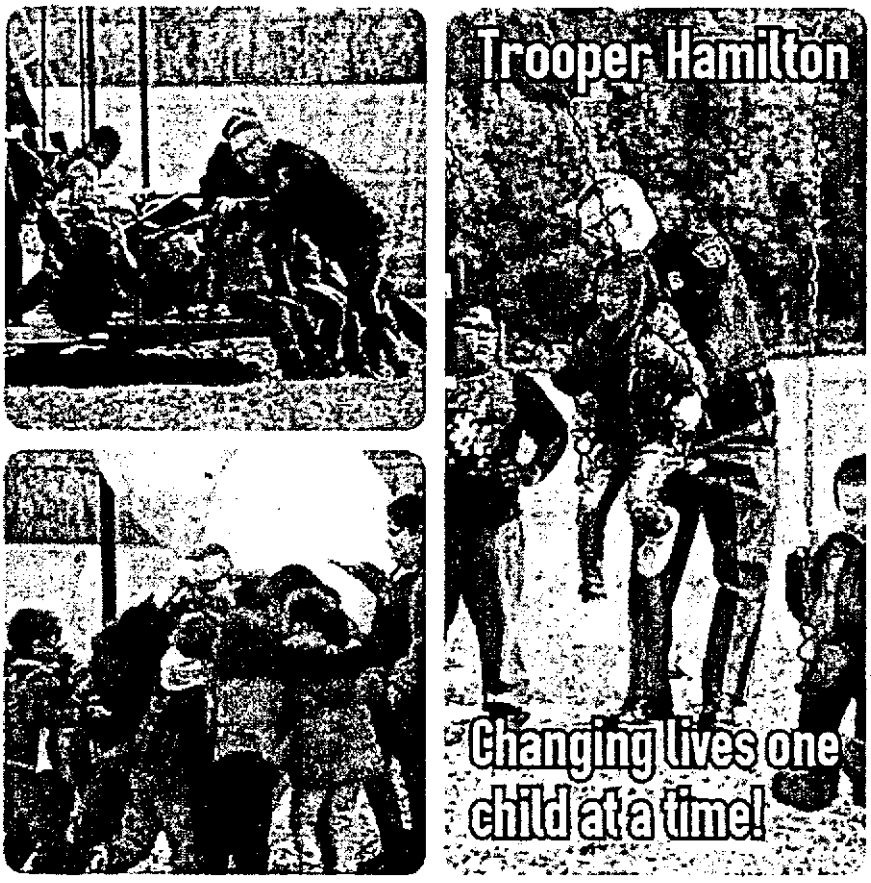

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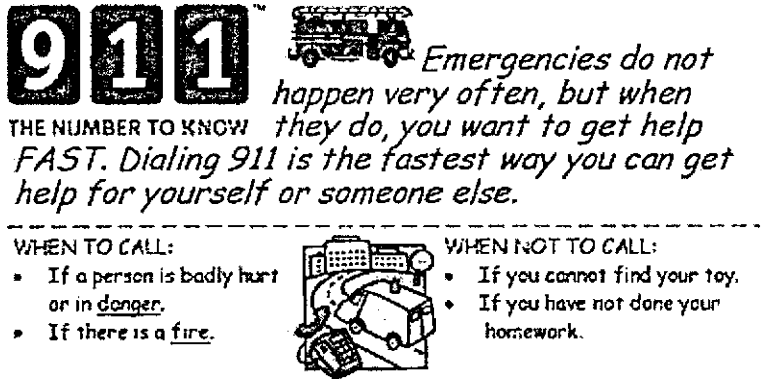

Sobocinski, Mike (MSP)

From:	MSP-EMHSD-NEWS
Sent:	Wednesday, November 04, 2015 10:49 AM
To:	MSP-EMHSD-NEWS
Subject:	Media Monitoring Report -- Nov. 4, 2015
Attachments:	Media Monitoring - 2015.11.04.pdf

MEDIA MONITORING REPORT

11/4/2015

Issues:

- No issues to report.

Summary:

- The U.S. Environmental Protection Agency is expected to release results of its review of the troubled municipal water supply in Flint by the end of this week.
- Voters have ousted the mayor of Flint, Michigan, amid fallout over the city's drinking water problems.
- Kicking off Winter Hazards Awareness Week from Nov. 1 to 7, the Michigan State Police and Downriver emergency management teams are encouraging residents to take extra precautions to ensure safety as temperatures begin to drop.
- A statewide initiative aimed at making it easier for police to notify the public about suspects who injure or kill law enforcement officers has been signed into law by Governor Snyder.
- Emergency Management Magazine reports that California officials are warning homeless to seek shelter before El Nino causes severe weather.
- Thirty-six members of Congress from Western states asked President Barack Obama on Wednesday for $16.1 million to complete an earthquake early-warning system being developed by scientists in Southern California and along the West Coast.
- Challenger Karen Weaver has knocked off incumbent Dayne Walling to become the first woman elected as mayor of Flint.
- Gov. Rick Snyder has a signed a law to ensure that certain Michigan State Police retirees get at least $16,000 a year.
- Two former Michigan representatives forced out of the state legislature for their extramarital affair and its subsequent cover-up lost their respective bids to regain their seats in a special Republican primary on Tuesday, results showed.
- Michigan motorists would typically pay about $20 more for their vehicle registration fees and spend about $1.17 more for a 15-gallon fill-up under fee and tax increases passed by the Michigan Senate and House of Representatives Tuesday, as part of a $1.2-billion road-funding plan.
- Guest writer Jim Townsend wrote a column for the Detroit Free Press on how Michigan Republicans forced through by the narrowest of margins a road-funding package that fails to invest adequately in transportation.
- National Weather Service forecast updates.
- TV clips: legislature passes road funding plan; Weaver defeats Walling.

Analysis:

- Media coverage is neutral.
- Detroit News reports the EPA is expected to release results of its review of the water supply situation in Flint by the end of this week.
- Challenger Karen Weaver has knocked off incumbent Dayne Walling to become the first woman elected as mayor of Flint.
- Will continue to monitor the situation.

Flint Water
Federal agency conducting review of Flint water supply
U.S. EPA will conduct 'full review' of Flint Water crisis
Voters outs Flint Mayor amid City's water problems
Emergency Management and Homeland Security
Michigan State Police prep residents with weather hazard tips
New act requires Michigan State Police to notify public about suspects who injure or kill police
California Agencies warn homeless riverbed dwellers to seek shelter ahead of El Nino
36 lawmakers request $16.1 million to fund earthquake early warning system
Michigan Politics
Karen Weaver unseats Dayne Walling to win Flint mayor
State police retirees from decades ago to get financial help
Michigan Republicans forced out of state legislature over extramarital affair lose GOP primary races
Road funding bills pass Michigan House, Senate finally
Michigan road funding bill: How we got to a bad deal
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Northern Indiana
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Legislature passes road funding plan
Weaver defeats Walling
Social Media
Twitter
Facebook

FLINT WATER

Federal agency conducting review of Flint water supply

Detroit News, November 4, 2015

Flint — The U.S. Environmental Protection Agency is expected to release results of its review of the troubled municipal water supply in Flint by the end of this week.

Regional administrator Susan Hedman of the Environmental Protection Agency said in a letter Tuesday to U.S. Rep Dan Kildee of Flint that she was asked by the head of the federal agency to carry out the review that the lawmaker requested last month. The Flint Journal reports that Kildee asked for a review of the agency's oversight of state programs assuring safe drinking water in Flint.

U.S. EPA will conduct 'full review' of Flint Water crisis

MLive, November 3, 2015

FLINT, MI – Flint's water crisis is getting a review by the U.S. Environmental Protection Agency, and the results are expected to be known by the end of this week.

EPA Regional Administrator Susan Hedman said in a letter today, Nov. 3, to U.S. Rep Dan Kildee, D-Flint, that she has been asked by the head of the EPA to carry out the review that the congressman requested last month.

Voters outs Flint Mayor amid City's water problems

ABC News, November 3, 2015

Voters have ousted the mayor of Flint, Michigan, amid a fallout over the city's drinking water problems.

Newcomer Karen Weaver beat incumbent Dayne Walling in Tuesday's election. Walling led the city amid the public health emergency.

Flint switched from nearby Detroit's system to water from the Flint River last year in a cost-cutting move. Officials recently confirmed elevated blood-lead levels were found in children.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

Michigan State Police prep residents with weather hazard tips

The News Herald, November 4, 2015

Kicking off Winter Hazards Awareness Week from Nov. 1 to 7, the Michigan State Police and Downriver emergency management teams are encouraging residents to take extra precautions to ensure safety as temperatures begin to drop.

All residents are advised to "winterize" their vehicles in the fall by having an automotive professional check the equipment to make sure it is all running properly, in addition to checking tire treads and filling up on windshield washing solution.

New act requires Michigan State Police to notify public about suspects who injure or kill police

MI News 26, November 3, 2015

A statewide initiative aimed at making it easier for police to notify the public about suspects who injure or kill law enforcement officers has been signed into law by Governor Snyder.

Called the Michigan Blue Alert Act, it tasks the Michigan State Police with creating and maintaining a system for rapidly broadcasting information regarding a suspect who is believed to have harmed or killed a law enforcement officer.

This act was authored by state Senator Tonya Schuitmaker and is based on a federal program with a similar goal called the National Blue Alert Act, which was signed into law by President Obama earlier this year.

The Michigan Blue Alert Act is now Public Act 167 of 2015.

California Agencies warn homeless riverbed dwellers to seek shelter ahead of El Nino

Emergency Management, November 3, 2015

(TNS) - The nine homeless men living inside a concrete storm drain in Orange County, Calif., believe they are ready for the floods likely to come raging through if El Niño brings the deluges forecasted to arrive about a month from now.

"I ain't afraid of El Niño — I think I can whip it!" said Bill "Tattoo" LeBlanc, 74, who has lived in the tunnel for 20 years.

LeBlanc and his homeless friends are among hundreds of people living in or near storm channels across Southern California who believe they can handle whatever nature throws at them this winter.

36 lawmakers request $16.1 million to fund earthquake early warning system

Emergency Management, October 30, 2015

(TNS) — WASHINGTON — Thirty-six members of Congress from Western states asked President Barack Obama on Wednesday for $16.1 million to complete an earthquake early-warning system being developed by scientists in Southern California and along the West Coast.

Reps. Adam Schiff, D-Calif., and Derek Kilmer, D-Wash., led the members in a letter to Obama asking him to include the funding in the U.S. Geological Survey's fiscal 2017 budget.

"Bottom line is, we want to get this done before we have a major quake. We don't want to be kicking ourselves afterward because we could have saved lives and a lot of property if we had been able to get people some advance notice of the earthquake," Schiff said.

MICHIGAN POLITICS

Karen Weaver unseats Dayne Walling to win Flint mayor

MLive, November 4, 2015

FLINT, MI -- Challenger Karen Weaver has knocked off incumbent Dayne Walling to become the first woman elected as mayor of Flint.

With only one precinct left to report results, Weaver -- a clinical psychologist and small business owner -- had 7,699 votes compared to Walling's 5,919, according to unofficial results from the Genesee County Clerk's Office.

State police retirees from decades ago to get financial help

9 and 10 News, November 3, 2015

LANSING, Mich. (AP) - Gov. Rick Snyder has a signed a law to ensure that certain Michigan State Police retirees get at least $16,000 a year.

The bill affects about 100 people, or their beneficiaries, who retired from the state police before October 1986 and collect less than $16,000.

Michigan Republicans forced out of state legislature over extramarital affair lose GOP primary races

Raw Story, November 4, 2015

Two former Michigan representatives forced out of the state legislature for their extramarital affair and its subsequent cover-up lost their respective bids to regain their seats in a special Republican primary on Tuesday, results showed.

Cindy Gamrat, who was removed from her Allegan County seat, and Todd Courser, who resigned from his seat in Lapeer County to avoid being expelled, both filed their candidacies a week after their seats were vacated in September.

Road funding bills pass Michigan House, Senate finally

Detroit Free Press, November 4, 2015

LANSING — Michigan motorists would typically pay about $20 more for their vehicle registration fees and spend about $1.17 more for a 15-gallon fill-up under fee and tax increases passed by the Michigan Senate and House of Representatives Tuesday, as part of a $1.2-billion road-funding plan.

Gov. Rick Snyder is expected to sign the bills into law.

"If you look back in history, this is the largest investment in transportation over the last 50 years in terms of revenues coming in for roads. This will lead to safer and better roads in our state and it does it in a fiscally responsible way," Snyder said. "There is some time that it takes to review all bills but I'm ready, So as soon as they're prepared, I'm ready to sign them."

Michigan road funding bill: How we got to a bad deal

Detroit Free Press, November 4, 2015

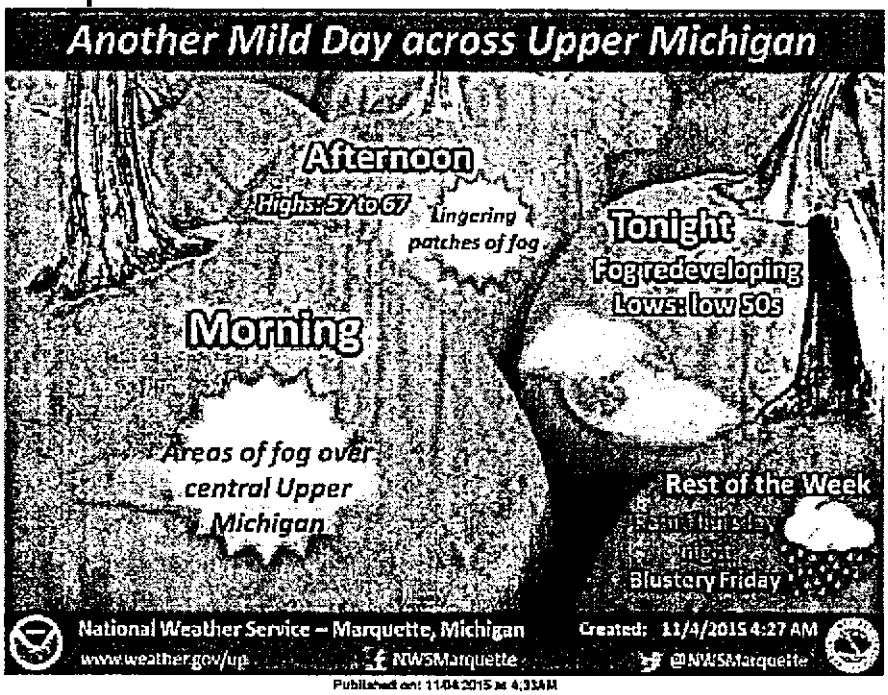
"When we elect politicians who hate the government we end up with a government that we hate."

A friend shared that pithy one-liner with me a few weeks ago and it sums up pretty well what's happening in Lansing. Tuesday night we got a prime example of the kind of chicanery posing as policymaking that drives people crazy. The Republicans forced through by the narrowest of margins a road-funding package that fails to invest adequately in transportation but somehow manages to jeopardize large chunks of the rest of state and local government, while offering windfall tax cuts to the wealthy.

The package provides less than a half of the $1 billion per year that the MDOT director says he needs just to fix the state's trunkline roads. Even worse, the plan waits five years to achieve even that anemic level of investment.

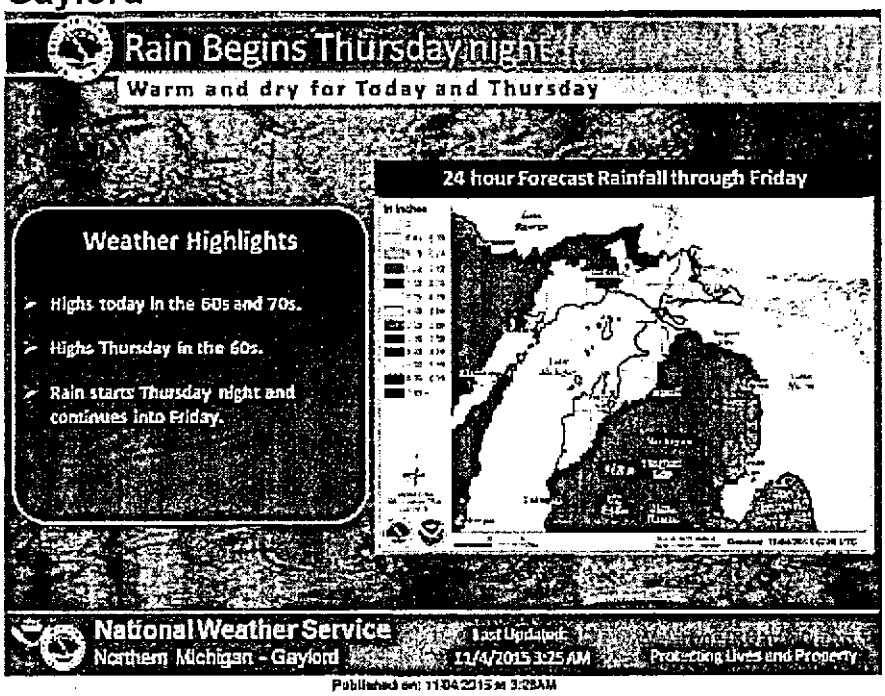
NATIONAL WEATHER SERVICE FORECASTS

Marquette



Expect another mild day across Upper Michigan, with lingering fog over mainly central Upper Michigan. Thursday will be our day of change as we transition back to a wetter and more seasonal temperature pattern. Rain showers and drizzle will arrive Thursday afternoon as low pressure exits from Minnesota to central Ontario. Steady rain, and possibly even a rumble of thunder, will be the rule Thursday night. Look for blustery west winds Friday as temperatures top out back in the 40s to near 50 degrees.

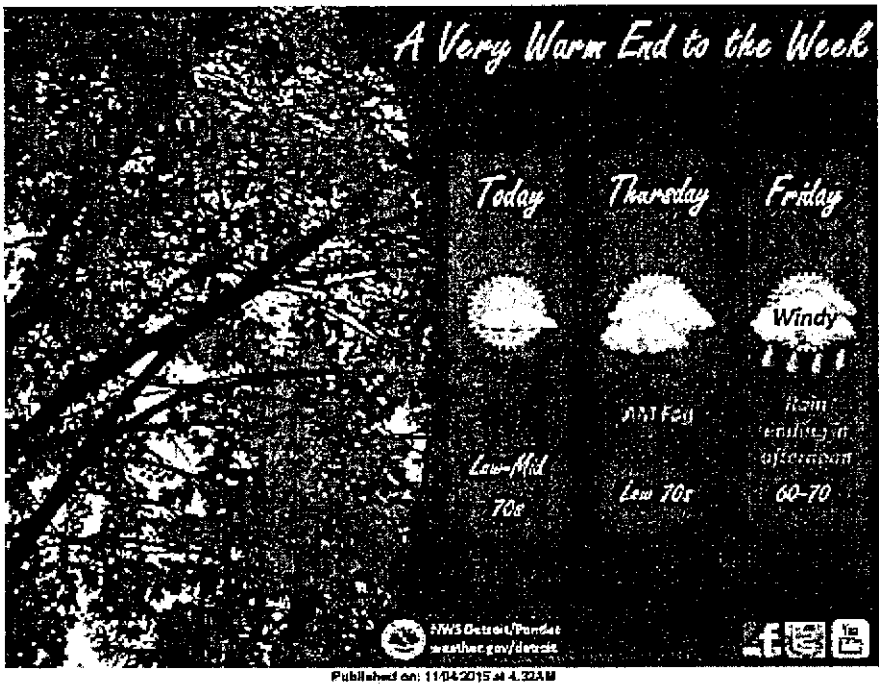
Gaylord



Published on: 11/04/2015 at 3:28AM

It will be warm today and Thursday, before the rain moves in Thursday night. The rain will continue into Friday.

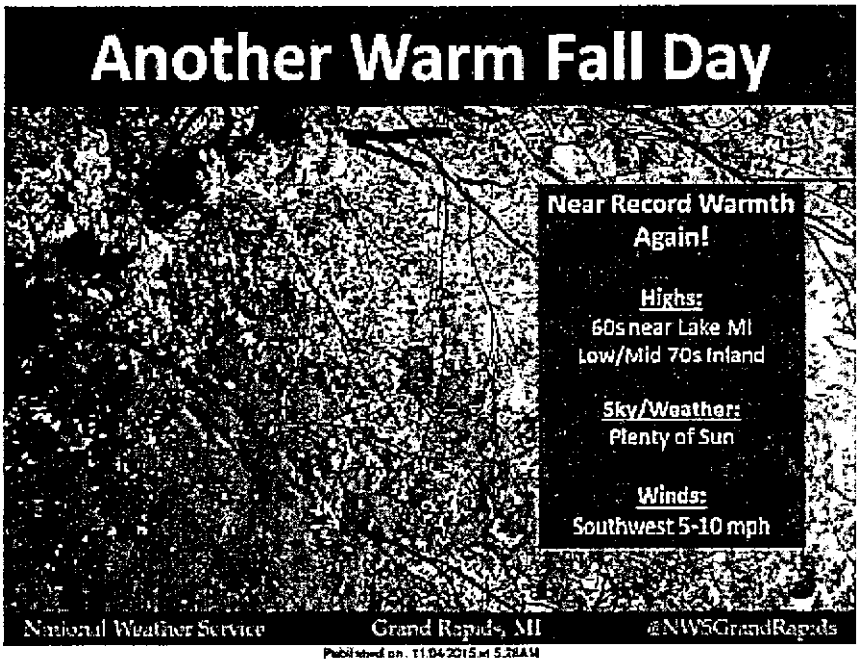
Detroit



Published on: 11/04/2015 at 4:32AM

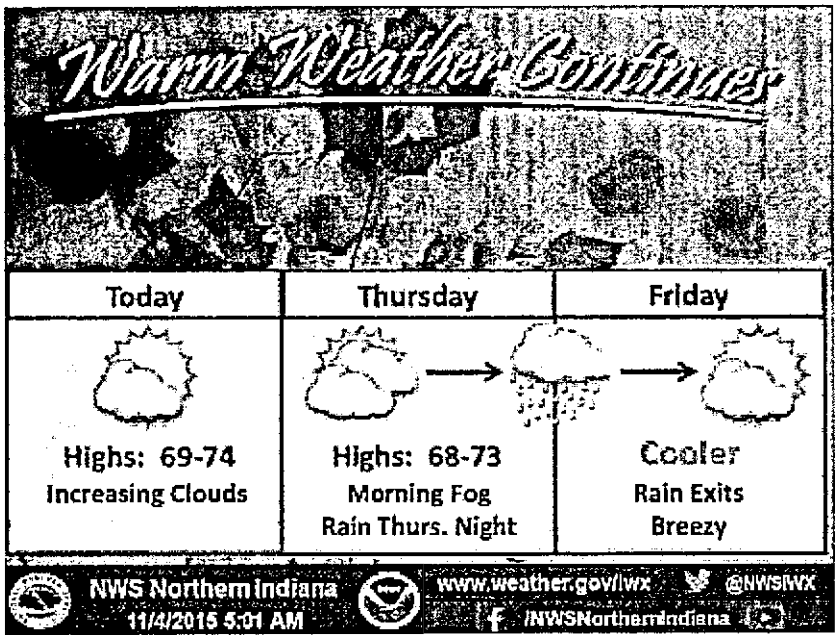
High pressure over the Eastern Great Lakes will keep quiet weather and unseasonably warm temperatures over the area through Thursday. An area of low pressure will track through Michigan late Thursday night and Friday, bringing rain and gusty winds to the area.

Grand Rapids



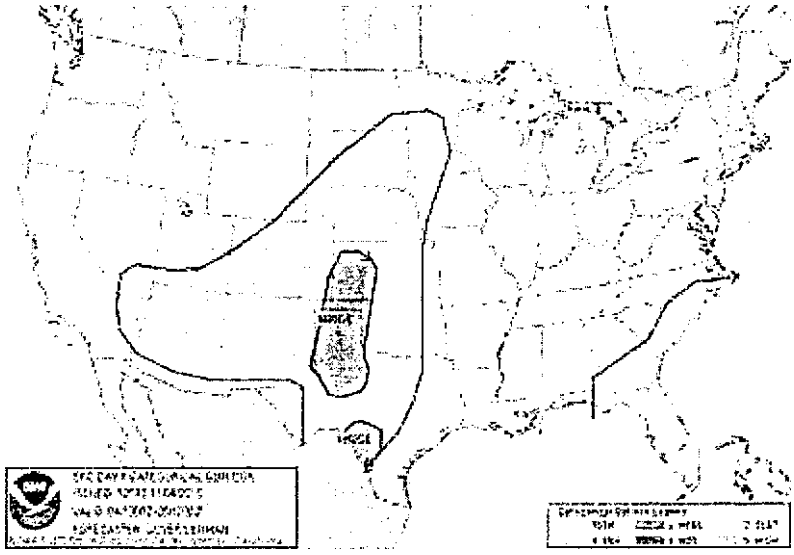
We are expecting another warm one today with plenty of sunshine. High temperatures should range from the mid to upper 60s along Lake Michigan to the low to mid 70s inland. There is some concern that we could see some low clouds move in today, but the forecast at this point is calling for plenty of sunshine.

Northern Indiana



Unusually warm weather will persist through tomorrow before a cold front brings cooler temperatures late Friday and into the weekend. This front will also bring widespread rain Thursday night and gusty winds Friday morning. Until then, expect increasing clouds and possibly some fog Thursday morning.

Storm Prediction Center – Day 1 Outlook



TV/Radio Clips

Legislature passes road funding plan

WLAJ (ABC) in Lansing, November 4, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=3523a907-97b8-453e-be6d-ba688fae5c6f

Weaver defeats Walling

WNEM (CBS) in Flint, November 4, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=76f0cf18-da07-4854-a13c-3a80d9cf0299

Social Media

Twitter

Governor Rick Snyder
@onetoughnerd

The MI Blue Alert Act ensures that a plan will be in place to broadcast info to the public if an officer is harmed: 1.usa.gov/1P7VZVM

Governor Rick Snyder @onetoughnerd

Public safety is of utmost importance in Michigan, and law enforcement is on the front lines every day protecting us 1.usa.gov/1P7VZVM

MichEMHS @MichEMHS

Using a fireplace during the winter months? Get your fireplace/chimney cleaned & inspected. Contact your local fire dept. for a referral.

Local 4 WDIV Detroit @Local4News

PHOTOS: @MichStatePolice trooper surprises little girl on Halloween on.fb.me/1RsCrco pic.twitter.com/fFmR0qJX9M

WNEM TV5 @WNEMTV5news

Speeders and tailgaters beware! @MichStatePolice are partnering with Indiana and Ohio State Police. wnem.com/story/30429765...

Facebook

Michigan State Police added 2 new photos.
17 hrs ·

Yesterday, 4th and 5th grade students at New Branches Charter Academy in Grand Rapids received a visit and presentation from Tpr. Joseph Bozek and his canine partner. We were told he made such a positive impression with the students that we may have some future troopers coming our way! #GoodCop #WhyIWearTheBadge

Michigan State Police shared WDIV Local 4 / ClickOnDetroit's post.
21 hrs ·

Check out these photos of Tpr. Seth Swanson making a special visit to meet Lucy Gordon who was a MSP trooper for Halloween! #GoodCop #WhyIWearTheBadge

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Governor Rick Snyder
9 hrs ·

BREAKING: Gov. Rick Snyder issued the following statement after the state House and Senate approved a comprehensive plan to address Michigan's infrastructure challenges.

"The state House and Senate today approved a fiscally responsible, comprehensive transportation plan that provides a long-term solution with new revenue that also provides long-term tax relief. This is the largest investment in Michigan roads and bridges in more than half a century, making them safer for Mich...iganders long into the future.

"I commend my partners in the Legislature for their resolve and their willingness to compromise. These are difficult decisions. If left unaddressed, our infrastructure problems would have grown more expensive to fix, there would have been greater damage to our vehicles and, more importantly, more drivers left to face unsafe conditions.

"The plan approved today includes new revenue generated by people and businesses using the roads -- including non-residents. It helps with public transportation that is vital for many to get to work and school. And it's good for our economy, strengthening the network of local, state and federal roads that is vital for all of our job-creators. It also allows us to continue investing in our core priorities that help Michiganders and fuel our state's comeback.

"This plan also shows people around the country and around the world that Michiganders face our toughest problems and solve them. Preserving our roads and bridges has been a priority, and is another important step we've taken to make our state a better place to live and work."

The solution to improve Michigan's roads and bridges
Governor Snyder has announced a sustainable, long-term solution to improve Michigan's roads and bridges, making them safer for Michigan's families.
michigan.gov

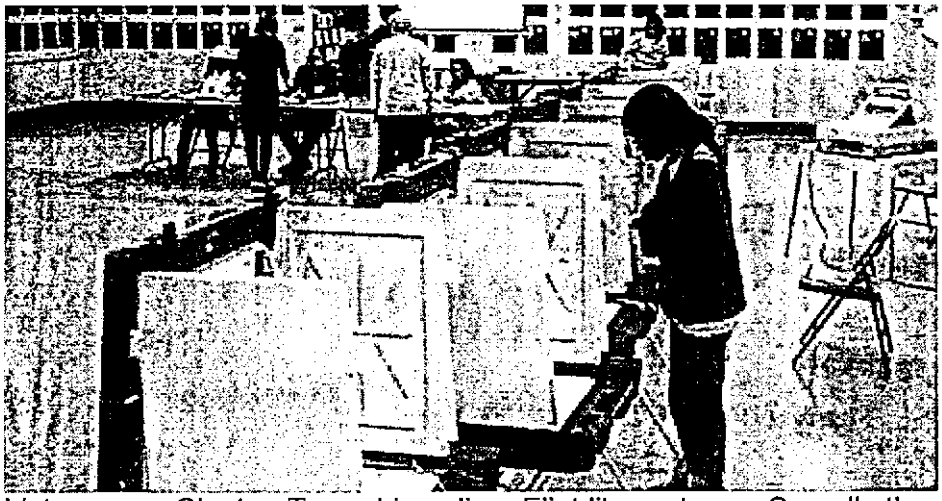
Governor Rick Snyder
Yesterday at 5:27am ·

It's #ElectionDay and polls are open from 7 a.m. to 8 p.m. Make time to vote today! To find out where you are registered to vote, visit www.mi.gov/vote

It's Election Day! Find out where to vote

The Flint Journal
31 mins ·

Voters in Clayton Township have approved a tax to keep 24-hour policing, while voters in Flint overwhelmingly passed a tax increase to support the library.



Voters pass Clayton Township police, Flint library taxes; See all other results
Voters in Clayton Township have approved a 1.9-mill, six-year tax to keep 24-hour policing.
mlive.com

The Flint Journal
1 hr ·

Todd Courser's bid for re-election to the 82nd House District Representative seat has come to an end in a resounding defeat.

In re-election defeat, ex-state Rep. Todd Courser says he's 'walking corpse'
The former state representative crisscrossed Lapeer County, casting his ballot mid-afternoon at the Village of Clifford Municipal Building in Burlington Township...
mlive.com

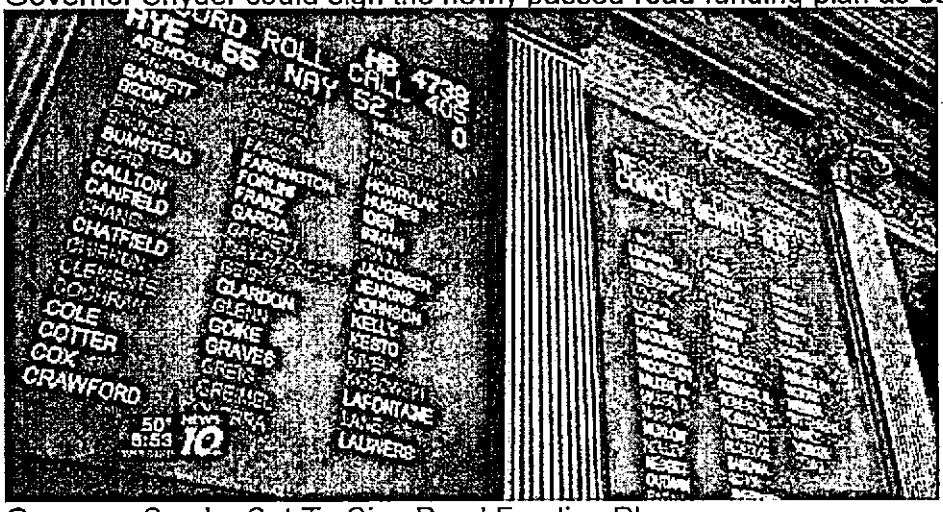
WILX News 10
59 mins ·

NEW MAYOR: Jackson now has a new mayor. Banker Bill Jors Defeated Former Mayor Marty Griffin.

New Mayor In Jackson
There's a new mayor in the city of Jackson this morning. Banker Bill Jors beat former Jackson Mayor Marty Griffin 60% to 40%.
http://www.wilx.com|By News 10

WILX News 10
1 hr ·

Governor Snyder could sign the newly passed road funding plan as early as today:

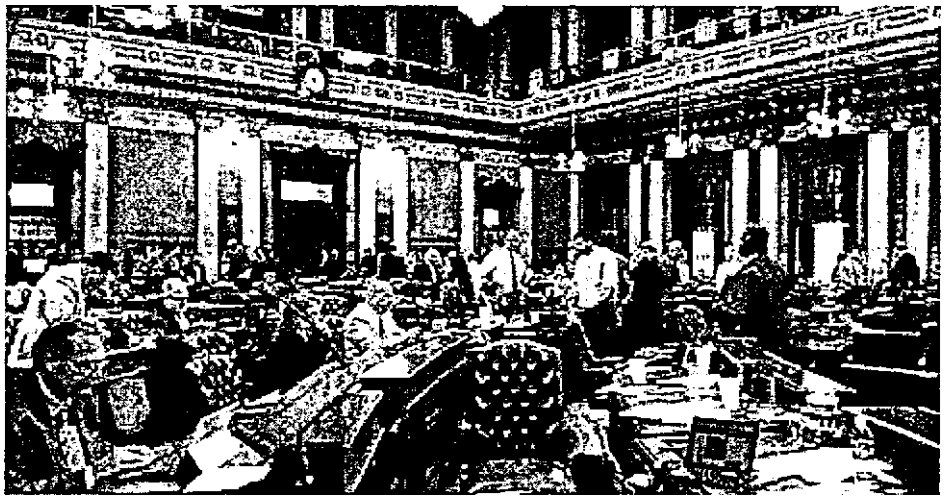


Governor Snyder Set To Sign Road Funding Plan
After years of debate at the state capitol, a road funding plan is finally headed to Governor Snyder's desk. He could sign the proposal as early as today.
http://www.wilx.com|By News 10

WLNS-TV
10 hrs · Edited ·

BREAKING: (10:40 p.m.) - The Michigan House has narrowly approved a plan to boost road spending, which includes a 20 percent hike in vehicle registration fees and a 7.3 cent gasoline tax increase.

We'll have more on 6 News at 11.



Michigan Legislature approves roads plan with gas, fee hikes
The House voted 54-53 late Tuesday night for vehicle fee hikes, the minimum needed. The vote to pass fuel tax hikes was 55-52.
http://wp.me

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Sobocinski, Mike (MSP)

From:	MSP-EMHSD-NEWS
Sent:	Tuesday, November 03, 2015 10:37 AM
To:	MSP-EMHSD-NEWS
Subject:	Media Monitoring Report -- Nov. 3, 2015
Attachments:	Media Monitoring - 2015.11.03.pdf

MEDIA MONITORING REPORT

11/3/2015

Issues:

- No issues to report.

Summary:

- Former Flint Emergency Manager Darnell Earley is receiving criticism for his actions with the Flint water situation now as the EM for Detroit Public Schools, while he is seeking legislative support for what critics call a bailout for DPS, according to a MLive report.
- Health officials say they have new guidelines for Flint families dealing with the emergency with the city's water supply.
- Voters are selecting a mayor for Flint, which has been dealing with fallout from drinking water problems.
- The Federal Emergency Management Agency awarded $250 million in disaster assistance to more than 29,000 superstorm Sandy victims who may have received duplicate payouts from private insurance in violation of federal law.
- Emergency Management Magazine posted an article on how mobile devices are an ideal way to disseminate fully customizable information regarding emergencies at K-12 school districts or on university campuses.
- Emergency Management Magazine posted an article questioning on if the Stafford Act, FEMA, the Incident Command System (ICS) can be adjusted to perform at higher standards.
- Michigan Radio covers Election Day and what is going to be on Michigan ballots.
- Michigan lawmakers want to pass HB 4867 which would prohibit the flying of an unmanned aerial vehicle within 1,500 feet of Michigan prisons.
- Michigan Gov. Rick Snyder is optimistic that the Republican-led Legislature will settle on a "common sense" road funding plan, perhaps as soon as this week.
- The Michigan Legislature may not have been able to get a package of bills passed yet to fix the roads, but in the last four months, they've passed more than 70 bills that were signed into law by Gov. Rick Snyder.
- National Weather Service forecast updates.
- TV clips: It's Election Day.

Analysis:

- Media coverage is neutral.

- Coverage continues on Flint water issues.
- WDIV reports that the Genesee County Health Department and the Michigan Department of Health and Human Services plan to send letters to parents this week with information regarding lead testing and how to reduce lead exposure after elevated blood lead levels were found in some Flint children.
- Multiple outlets are reporting on Election Day in Michigan.
- Will continue to monitor the situation.

Flint Water
Flint water crisis spills over to Detroit schools plan
Flint families to receive new guidelines on reducing lead exposure
Voters pick mayor for Flint amid city's water problems
Health officials to issue guidelines on lead exposure to families in Flint
Emergency Management and Homeland Security
FEMA says thousands of Superstorm Sandy victims may have received duplicate payouts
Apps can play a major role in school emergency response plans
Is 'pretty good' enough?
Michigan Politics
Election Day is tomorrow. Here's what's happening around Michigan.
Banning drones from flying near Michigan prisons
Snyder seeks 'fiscally responsible' road funding deal as Michigan senate tries again this week
No roads fix, but more than 70 bills are now Mich. law
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FLINT WATER

Flint water crisis spills over to Detroit schools plan

MLive, November 3, 2015

Rarely in the rough-and-tumble world of politics do you have one person call the other a liar. Usually they will say, "he was stretching the truth," or "the statement was not quite accurate." Call it honor among thieves, but that's the drill.

So when somebody does it, ears in town perk up.

The former emergency manager in Flint showed up the other day and was immediately grilled on his role in the lead-in-the-water contamination crisis in that city. Darnell Earley offered he had nothing to do with it when the city switched from Detroit to Flint River water.

Flint families to receive new guidelines on reducing lead exposure

9 & 10 News, November 2, 2015

Health officials say they have new guidelines for Flint families dealing with the emergency with the city's water supply.

The Genesee County Health Department and Michigan Department of Health and Human Services will be sending out letters this week on how to reduce lead exposure.

The response comes after elevated blood lead levels were found in some children in Flint.

Voters pick mayor for Flint amid city's water problems

WTOL 11, November 3, 2015

FLINT, Mich. (AP) - Voters are selecting a mayor for Flint, which has been dealing with fallout from drinking water problems.

In Tuesday's election incumbent Dayne Walling, who led Flint amid the public health emergency, faces challenger Karen Weaver, who is seeking her first elected office.

Flint switched from Detroit's system to water drawn from the Flint River last year in a cost-cutting move. Officials recently confirmed that elevated blood-lead levels were found in children. The city reconnected in hopes of resolving the health emergency.

Health officials to issue guidelines on lead exposure to families in Flint

WDIV, November 2, 2015

Flint, Mich. - Health officials have established guidelines for families on how they should respond to ongoing problems with the municipal water supply in Flint.

The Genesee County Health Department and the Michigan Department of Health and Human Services plan to send letters to parents this week with information regarding lead testing and how to reduce lead exposure after elevated blood lead levels were found in some Flint children.

Children can be exposed to lead from drinking water in lead pipes, old lead paint, soil, pottery, cosmetics, toys, some home remedies and adult jobs or hobbies, including auto repair, stained glass and jewelry making.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

FEMA says thousands of Superstorm Sandy victims may have received duplicate payouts

Emergency Management, October 29, 2015

(TNS) - The Federal Emergency Management Agency awarded $250 million in disaster assistance to more than 29,000 superstorm Sandy victims who may have received duplicate payouts from private insurance in violation of federal law.

Many of the cases included payouts for damaged vehicles where both FEMA and car insurers paid claims, according to a report released this month by the inspector general for the Department of Homeland Security, which oversees the agency.

"FEMA needs to solve this insurance verification problem as soon as possible," Inspector General John Roth said in a news release. "Until it does, federal funds invested in disaster relief will continue to be at risk of widespread fraud, waste and abuse."

Apps can play a major role in school emergency response plans

Emergency Management, October 29, 2015

Mobile devices are an ideal way to disseminate fully customizable information regarding emergencies at K-12 school districts or on university campuses. From first aid guides to fire drill and evacuation procedures, mobile apps can present school officials, parents and students with step-by-step instructions, fast reporting capabilities and comprehensive information for maintaining safe schools.

IDC Research reports that 77 percent of smartphone users have their phones on them 22 hours a day. As this number continues to increase, administrators must integrate mobile with their emergency response plans to give greater access to faculty, staff and, in some cases, students.

While a mobile safety platform is critical for accessing crisis response plans and procedures during well-publicized life or death emergencies, ranging from a bomb threat to a hurricane to an active shooter, mobile resources can also be supportive for more common school scenarios. Here are a few examples.

Is 'pretty good' enough?

Emergency Management, October 28, 2015

The question on the table today is whether "pretty good" is good enough when it comes to emergency management. Because some things are pretty good, after all. The Stafford Act, FEMA, the Incident Command System (ICS): They get the job done.

But is that sufficient? There is grumbling throughout much of the emergency management community that each of these pillars of the profession can and should be improved upon.

They're poorly structured, top heavy, fiscally irrational, inflexible — pick your poison. Changes must be made.

Despite the flaws, some say, the system runs as well as one might hope, and why tinker with (moderate) success? So what should and can be changed? How can Stafford, FEMA and ICS be made to perform to higher standards?

MICHIGAN POLITICS

Election Day is tomorrow. Here's what's happening around Michigan.

Michigan Radio, November 2, 2015

There's not much on the ballot in Michigan tomorrow, but what is there is sparking controversy.

There are primaries for three state house seats.

The vacancies came as a result of a retirement, a resignation, and an expulsion.

A sex scandal forced two state lawmakers out of office. Cindy Gamrat and Todd Courser admitted roles in an effort to cover-up their extra-marital affair.

Banning drones from flying near Michigan prisons

Michigan Radio, November 2, 2015

Drones have many uses. But Michigan lawmakers want to discourage one in particular: delivering contraband to state prison inmates.

Across the country in recent months, people trying to smuggle all kinds of things into prisons have turned to drones.

Last week, a drone carrying hacksaw blades, cigars and drugs got tangled up in a razor wire fence at an Oklahoma prison.

Snyder seeks 'fiscally responsible' road funding deal as Michigan senate tries again this week

MLive, November 3, 2015

LANSING, MI — Michigan Gov. Rick Snyder is optimistic that the Republican-led Legislature will settle on a "common sense" road funding plan, perhaps as soon as this week.

The Senate is expected to resume road funding talks on Tuesday. The tentative session agenda does not include key bills, but there's a very real possibility of action.

No roads fix, but more than 70 bills are now Mich. law

Lansing State Journal, November 1, 2015

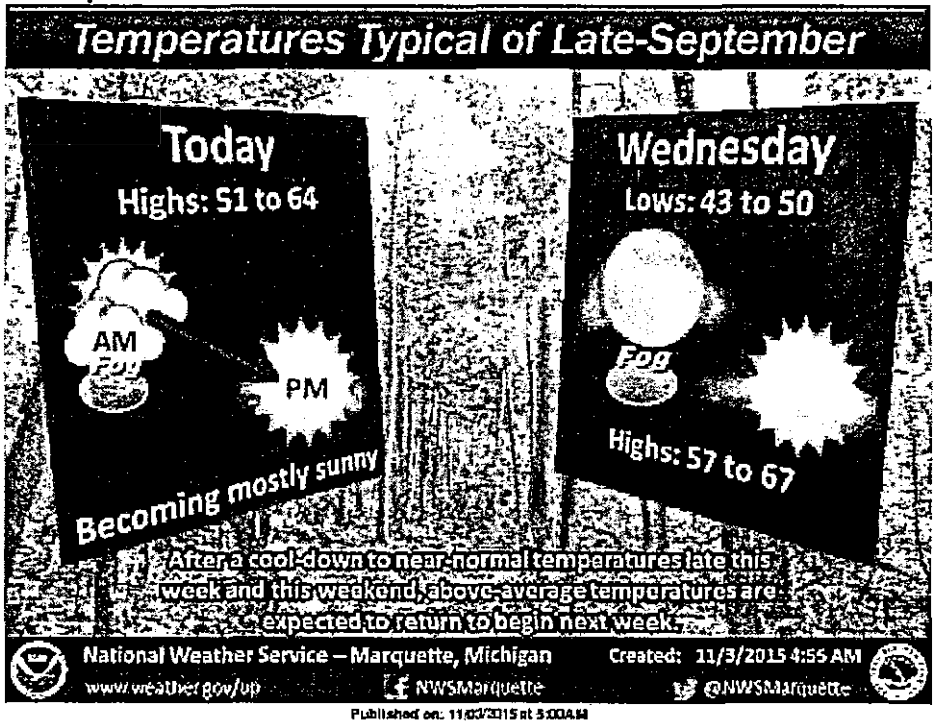
LANSING -- The Michigan Legislature may not have been able to get a package of bills passed yet to fix the roads, but in the last four months, they've passed more than 70 bills that were signed into law by Gov. Rick Snyder.

Some of the most controversial issues that passed the House of Representatives and Senate includedprohibiting communities from passing ordinancesthat would set wages or benefits for employers in their towns.

The Legislature also passed a package of bills that reforms the laws that allow law enforcement to forfeit property of people even if they haven't been charged with a crime.

NATIONAL WEATHER SERVICE FORECASTS

Marquette



Published on: 11/03/2015 at 5:00AM

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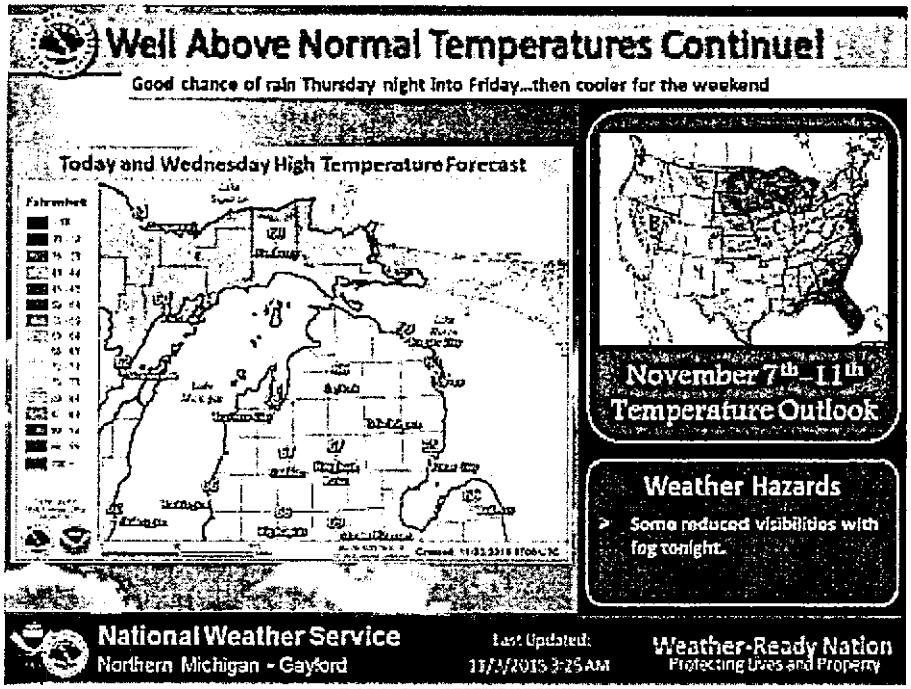

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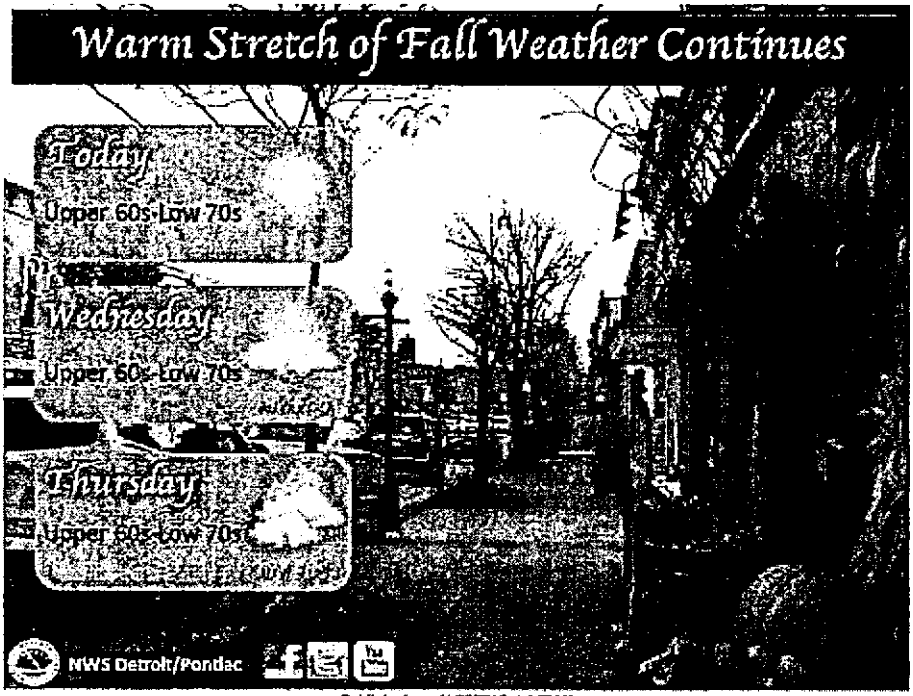

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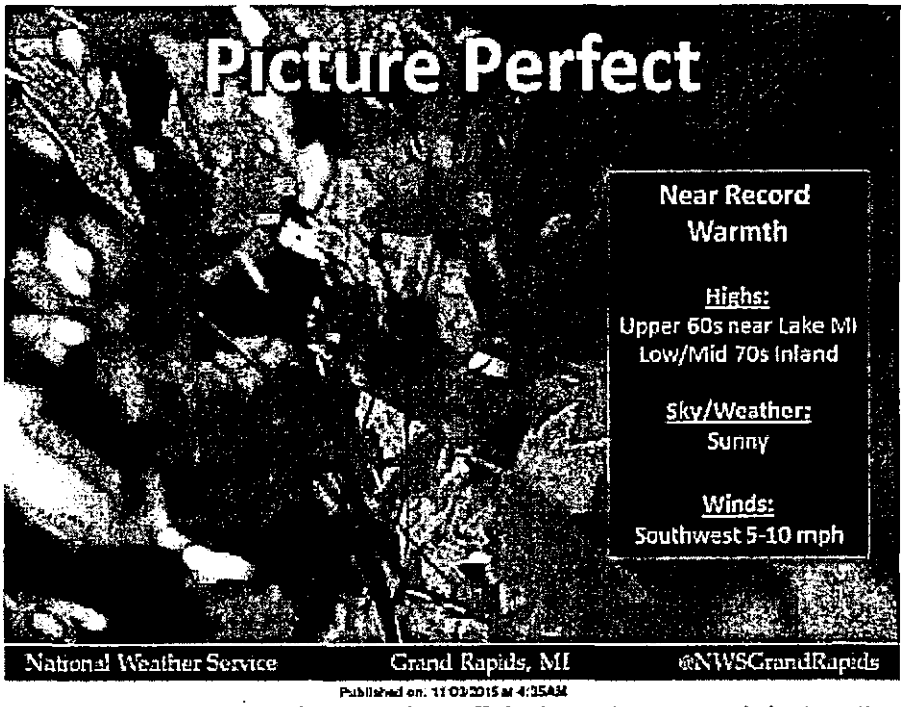

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Today will be sunny and warm with high temperatures in the lower 70s...about 15 degrees above normal. Tonight will be mostly clear with lows around 50. There is a chance for some fog development late tonight.

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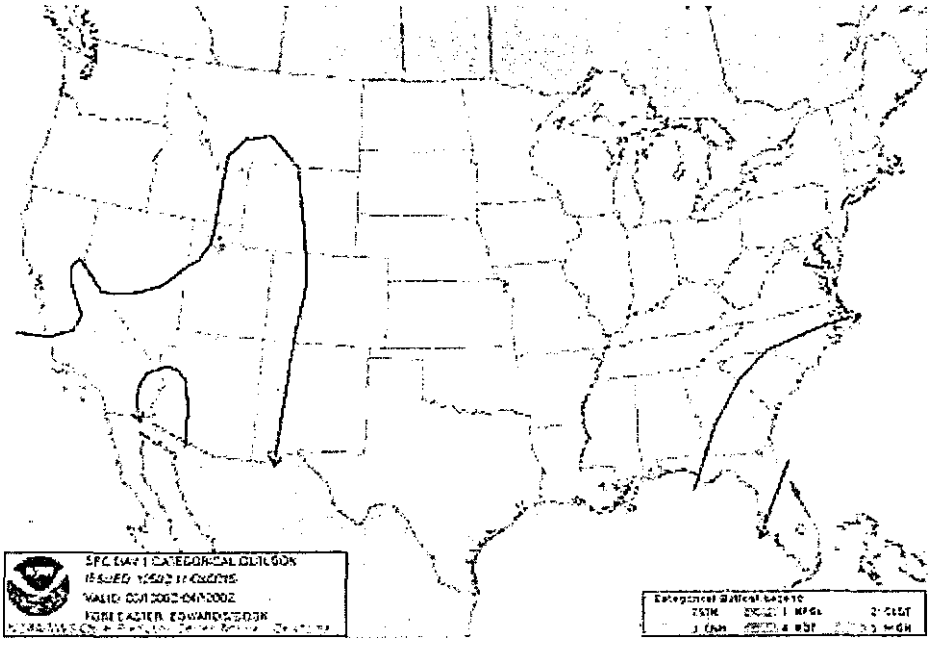


TV/Radio Clips

It's Election Day

WNEM (CBS) in Flint, November 3, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=2d4e2c62-9f63-4af9-a442-6b55ad37fcf5

Social Media

Twitter

Governor Rick Snyder @onetoughnerd

It's #ElectionDay and polls are open from 7 a.m. to 8 p.m. Make time to #vote today! mi.gov/vote pic.twitter.com/yISVWymfV

MichEMHS @MichEMHS

Is your vehicle ready for the snow? Check tire treads and see if new tires are needed. #MIWinterReady

MichEMHS @MichEMHS

Insulate pipes in crawl spaces and attics,where they are most susceptible to freezing. #MIWinterReady

MichEMHS @MichEMHS

The best way to prevent your pipes from bursting in a freeze is to insulate any water lines that run along exterior walls. #MIWinterReady

MSP Public Affairs @MichStatePolice

New Blog: 20th Motor Carrier Officer Recruit School - Week 3 #msprecruits bit.ly/1aHoojR

Bay Cities Radio @baycitiesradio

Another telephone scam is targeting U.P. residents. The Menominee Police Department and Michigan State Police say... fb.me/3RbSQc2Ew

NWS Grand Rapids @NWSGrandRapids

Kalamazoo: Warmest Nov 3 temperature at airport (since 1998) was 72 in 2008. Warmest Nov 3 at hospital (1887-1995) was 73 in 1987. #wmiwx

Facebook

Michigan State Police added 8 new photos to the album: Sault Ste. Marie Post Open House & Halloween Drop-in.
30 mins ·

In what has become an annual tradition, the MSP Sault Ste. Marie Post held a Halloween drop-in and open house on October 31, 2015. This year, over 750 people stopped by refreshments and activities, including demonstrations by the MSP Underwater Recovery Unit, Emergency Support Team, Canine Unit and the Bomb Squad. MSP recruiters were at the event to answer questions about careers with the MSP, and troopers were available to inspect children's candy after Trick-or-Treating.

Michigan State Police added 8 new photos to the album: 20th Motor Carrier Officer Recruit School - Week 3.
19 hrs ·

Eighteen recruits reported to the MSP Training Academy to begin Week 3 of the 20th Motor Carrier Officer Recruit School.

The recruits are beginning to experience the rigorous academic and physical demands of recruit school. This week, the recruits began receiving extensive legal instruction from the MSP Legislative and Legal Resources Section personnel. Recruits received specific training on constitutional law, court functions, civil law, laws of arrest and warrantless sear...ch and seizure. Recruits are required to learn, understand and apply a large amount of legal information and will be tested on all subjects.

The recruits are also experiencing what it means to manage their time effectively. They must work as a team and perform duties not specifically assigned to them in order to accomplish goals.

Recruits continued to receive training in first aid, firearms, defensive tactics, patrol techniques and report writing. During firearms training, each recruit had the opportunity to fire their primary firearm for the first time.

In addition, recruits received training on completing traffic stops and effective searches of vehicles and suspects. These systematic procedures will take continuous repetition and attention to detail for the recruits to master. The staff will ensure each recruit maintains the highest level of officer safety when performing all duties.

Week 3 ended with 18 recruits released for weekend furlough.

See More

Governor Rick Snyder
44 mins ·

It's #ElectionDay and polls are open from 7 a.m. to 8 p.m. Make time to vote today! To find out where you are registered to vote, visit www.mi.gov/vote

It's Election Day! Find out where to vote

Governor Rick Snyder updated their cover photo.
22 hrs · Edited ·

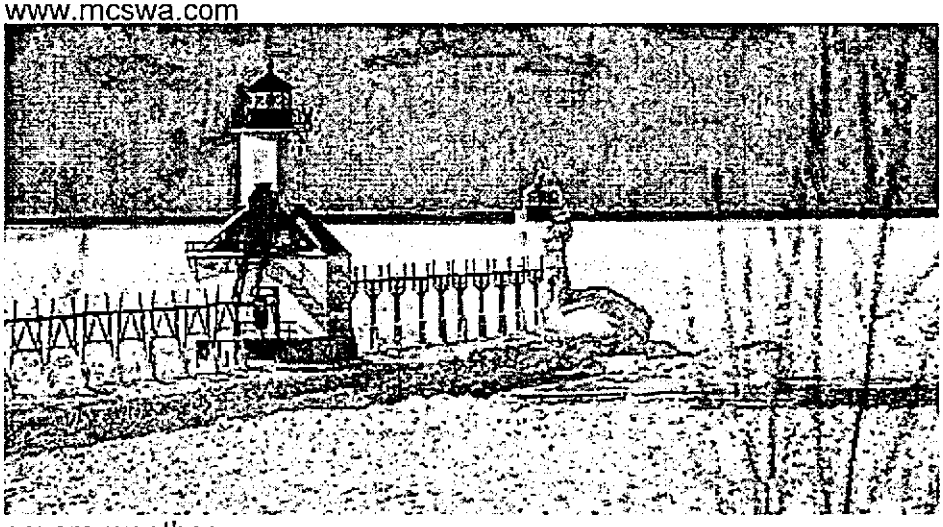
The liberties, freedom, prosperity and security Americans are blessed with are protected through the dedication and sacrifices made by our service members, veterans and their families.

This November, we recognize Veterans Month in Michigan --> http://1.usa.gov/1KTCEjn

Michigan Emergency Management Association (MEMA)
21 hrs ·

Winter Hazards Awareness Week is November 1-7. Learn how to stay safe during the upcoming winter weather.

www.mcswa.com



severe-weather
Home
www.mcswa.com

Newschannel 3, CBS News, WWMT, West Michigan
1 hr ·

An investigation into the claims is now in the hands of the Lapeer County prosecutors, but the details have not been made public.

Ex-Rep. Courser files subpoena to make results of police investigation public
LAPEER COUNTY, Mich. (NEWSCHANNEL 3) - Former State Representative Todd Courser hopes to take the first step toward winning back his seat in...

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MEDIA MONITORING REPORT

11/3/2015

Issues:

- No issues to report.

Summary:

- Former Flint Emergency Manager Darnell Earley is receiving criticism for his actions with the Flint water situation now as the EM for Detroit Public Schools, while he is seeking legislative support for what critics call a bailout for DPS, according to a MLive report.
- Health officials say they have new guidelines for Flint families dealing with the emergency with the city's water supply.
- Voters are selecting a mayor for Flint, which has been dealing with fallout from drinking water problems.
- The Federal Emergency Management Agency awarded $250 million in disaster assistance to more than 29,000 superstorm Sandy victims who may have received duplicate payouts from private insurance in violation of federal law.
- Emergency Management Magazine posted an article on how mobile devices are an ideal way to disseminate fully customizable information regarding emergencies at K-12 school districts or on university campuses.
- Emergency Management Magazine posted an article questioning on if the Stafford Act, FEMA, the Incident Command System (ICS) can be adjusted to perform at higher standards.
- Michigan Radio covers Election Day and what is going to be on Michigan ballots.
- Michigan lawmakers want to pass HB 4867 which would prohibit the flying of an unmanned aerial vehicle within 1,500 feet of Michigan prisons.
- Michigan Gov. Rick Snyder is optimistic that the Republican-led Legislature will settle on a "common sense" road funding plan, perhaps as soon as this week.
- The Michigan Legislature may not have been able to get a package of bills passed yet to fix the roads, but in the last four months, they've passed more than 70 bills that were signed into law by Gov. Rick Snyder.
- National Weather Service forecast updates.
- TV clips: It's Election Day.

Analysis:

- Media coverage is neutral.
- Coverage continues on Flint water issues.
- WDIV reports that the Genesee County Health Department and the Michigan Department of Health and Human Services plan to send letters to parents this week with information regarding lead testing and how to reduce lead exposure after elevated blood lead levels were found in some Flint children.
- Multiple outlets are reporting on Election Day in Michigan.
- Will continue to monitor the situation.

Flint Water 2

Flint water crisis spills over to Detroit schools plan 2
Flint families to receive new guidelines on reducing lead exposure 2
Voters pick mayor for Flint amid city's water problems 2
Health officials to issue guidelines on lead exposure to families in Flint 3
Emergency Management and Homeland Security 3
FEMA says thousands of Superstorm Sandy victims may have received duplicate payouts 3
Apps can play a major role in school emergency response plans 3
Is 'pretty good' enough? 3
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Election Day is tomorrow. Here's what's happening around Michigan. 4
Banning drones from flying near Michigan prisons 4
Snyder seeks 'fiscally responsible' road funding deal as Michigan senate tries again this week 4
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FLINT WATER

Flint water crisis spills over to Detroit schools plan

MLive, November 3, 2015

Rarely in the rough-and-tumble world of politics do you have one person call the other a liar. Usually they will say, "he was stretching the truth," or "the statement was not quite accurate." Call it honor among thieves, but that's the drill.

So when somebody does it, ears in town perk up.

The former emergency manager in Flint showed up the other day and was immediately grilled on his role in the lead-in-the-water contamination crisis in that city. Darnell Earley offered he had nothing to do with it when the city switched from Detroit to Flint River water.

Flint families to receive new guidelines on reducing lead exposure

9 & 10 News, November 2, 2015

Health officials say they have new guidelines for Flint families dealing with the emergency with the city's water supply.

The Genesee County Health Department and Michigan Department of Health and Human Services will be sending out letters this week on how to reduce lead exposure.

The response comes after elevated blood lead levels were found in some children in Flint.

Voters pick mayor for Flint amid city's water problems

WTOL 11, November 3, 2015

FLINT, Mich. (AP) - Voters are selecting a mayor for Flint, which has been dealing with fallout from drinking water problems.

In Tuesday's election incumbent Dayne Walling, who led Flint amid the public health emergency, faces challenger Karen Weaver, who is seeking her first elected office.

Flint switched from Detroit's system to water drawn from the Flint River last year in a cost-cutting move. Officials recently confirmed that elevated blood-lead levels were found in children. The city reconnected in hopes of resolving the health emergency.

Health officials to issue guidelines on lead exposure to families in Flint

WDIV, November 2, 2015

Flint, Mich. - Health officials have established guidelines for families on how they should respond to ongoing problems with the municipal water supply in Flint.

The Genesee County Health Department and the Michigan Department of Health and Human Services plan to send letters to parents this week with information regarding lead testing and how to reduce lead exposure after elevated blood lead levels were found in some Flint children.

Children can be exposed to lead from drinking water in lead pipes, old lead paint, soil, pottery, cosmetics, toys, some home remedies and adult jobs or hobbies, including auto repair, stained glass and jewelry making.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

FEMA says thousands of Superstorm Sandy victims may have received duplicate payouts

Emergency Management, October 29, 2015

(TNS) - The Federal Emergency Management Agency awarded $250 million in disaster assistance to more than 29,000 superstorm Sandy victims who may have received duplicate payouts from private insurance in violation of federal law.

Many of the cases included payouts for damaged vehicles where both FEMA and car insurers paid claims, according to a report released this month by the inspector general for the Department of Homeland Security, which oversees the agency.

"FEMA needs to solve this insurance verification problem as soon as possible," Inspector General John Roth said in a news release. "Until it does, federal funds invested in disaster relief will continue to be at risk of widespread fraud, waste and abuse."

Apps can play a major role in school emergency response plans

Emergency Management, October 29, 2015

Mobile devices are an ideal way to disseminate fully customizable information regarding emergencies at K-12 school districts or on university campuses. From first aid guides to fire drill and evacuation procedures, mobile apps can present school officials, parents and students with step-by-step instructions, fast reporting capabilities and comprehensive information for maintaining safe schools.

IDC Research reports that 77 percent of smartphone users have their phones on them 22 hours a day. As this number continues to increase, administrators must integrate mobile with their emergency response plans to give greater access to faculty, staff and, in some cases, students.

While a mobile safety platform is critical for accessing crisis response plans and procedures during well-publicized life or death emergencies, ranging from a bomb threat to a hurricane to an active shooter, mobile resources can also be supportive for more common school scenarios. Here are a few examples.

Is 'pretty good' enough?

Emergency Management, October 28, 2015

The question on the table today is whether "pretty good" is good enough when it comes to emergency management. Because some things are pretty good, after all. The Stafford Act, FEMA, the Incident Command System (ICS): They get the job done.

But is that sufficient? There is grumbling throughout much of the emergency management community that each of these pillars of the profession can and should be improved upon.

They're poorly structured, top heavy, fiscally irrational, inflexible — pick your poison. Changes must be made.

Despite the flaws, some say, the system runs as well as one might hope, and why tinker with (moderate) success? So what should and can be changed? How can Stafford, FEMA and ICS be made to perform to higher standards?

MICHIGAN POLITICS

Election Day is tomorrow. Here's what's happening around Michigan.

Michigan Radio, November 2, 2015

There's not much on the ballot in Michigan tomorrow, but what is there is sparking controversy.

There are primaries for three state house seats.

The vacancies came as a result of a retirement, a resignation, and an expulsion.

A sex scandal forced two state lawmakers out of office. Cindy Gamrat and Todd Courser admitted roles in an effort to cover-up their extra-marital affair.

Banning drones from flying near Michigan prisons

Michigan Radio, November 2, 2015

Drones have many uses. But Michigan lawmakers want to discourage one in particular: delivering contraband to state prison inmates.

Across the country in recent months, people trying to smuggle all kinds of things into prisons have turned to drones.

Last week, a drone carrying hacksaw blades, cigars and drugs got tangled up in a razor wire fence at an Oklahoma prison.

Snyder seeks 'fiscally responsible' road funding deal as Michigan senate tries again this week

MLive, November 3, 2015

LANSING, MI — Michigan Gov. Rick Snyder is optimistic that the Republican-led Legislature will settle on a "common sense" road funding plan, perhaps as soon as this week.

The Senate is expected to resume road funding talks on Tuesday. The tentative session agenda does not include key bills, but there's a very real possibility of action.

No roads fix, but more than 70 bills are now Mich. law

Lansing State Journal, November 1, 2015

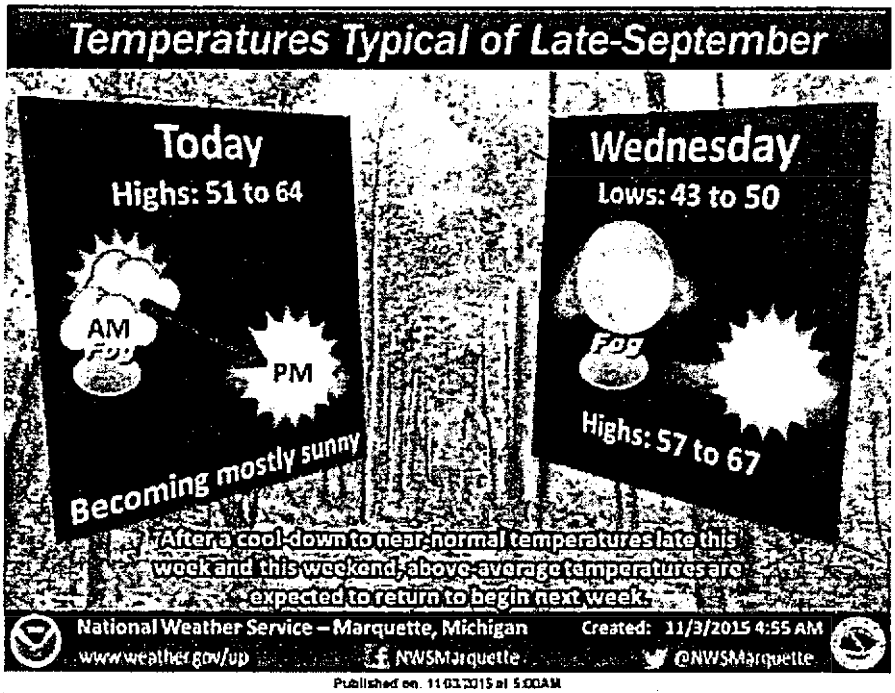
LANSING -- The Michigan Legislature may not have been able to get a package of bills passed yet to fix the roads, but in the last four months, they've passed more than 70 bills that were signed into law by Gov. Rick Snyder.

Some of the most controversial issues that passed the House of Representatives and Senate includedprohibiting communities from passing ordinancesthat would set wages or benefits for employers in their towns.

The Legislature also passed a package of bills that reforms the laws that allow law enforcement to forfeit property of people even if they haven't been charged with a crime.

NATIONAL WEATHER SERVICE FORECASTS

Marquette



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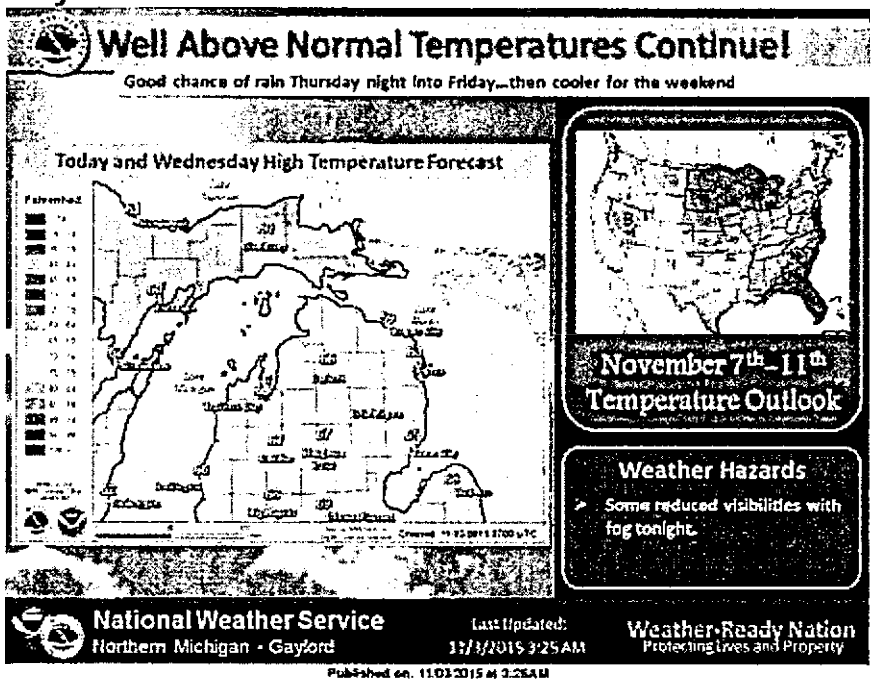

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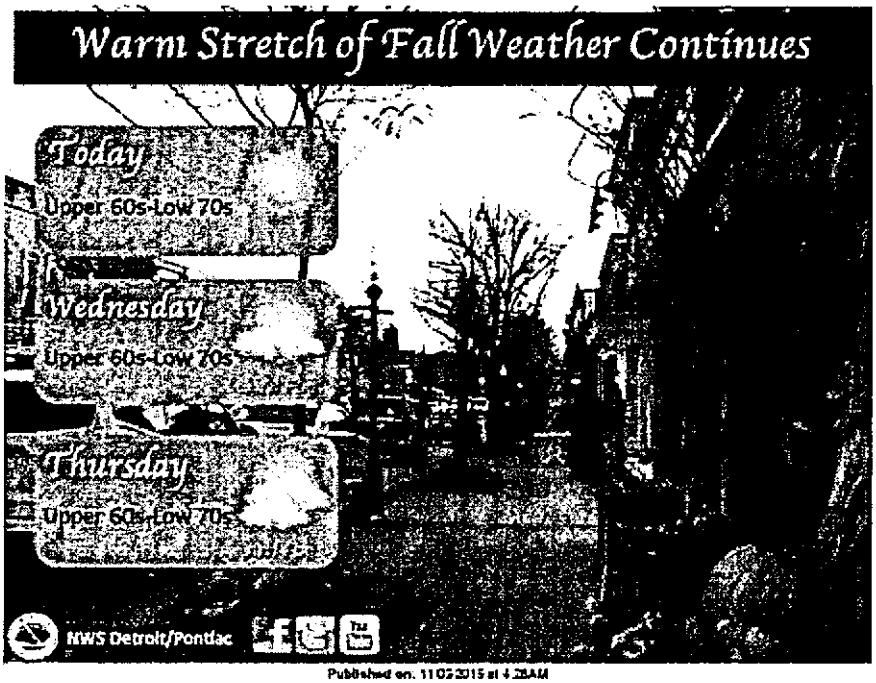

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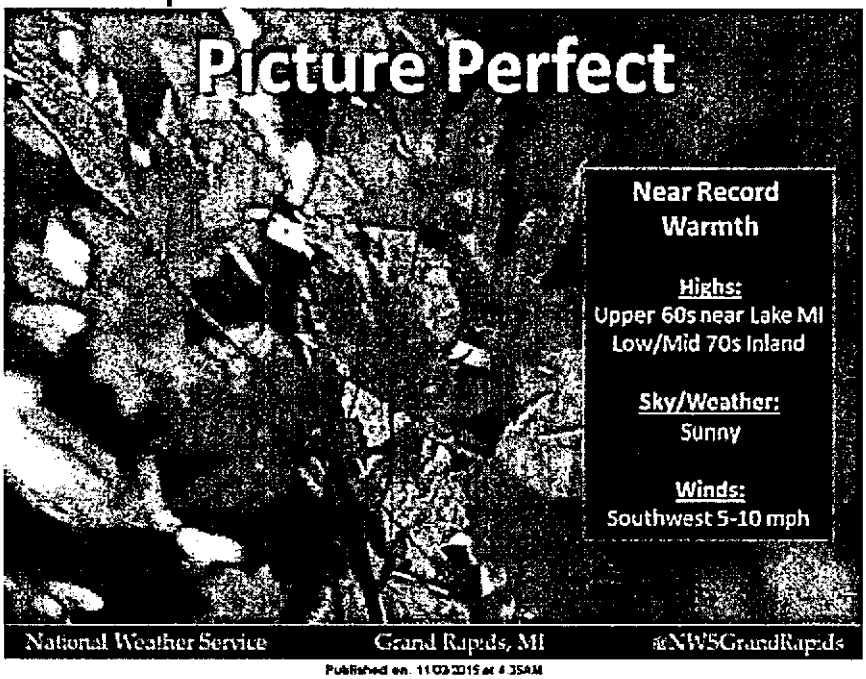

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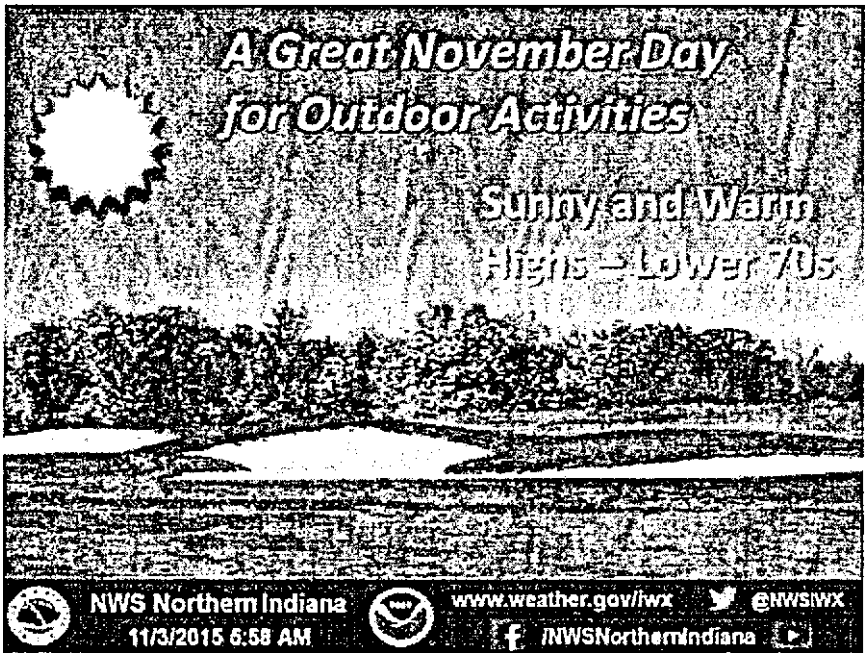

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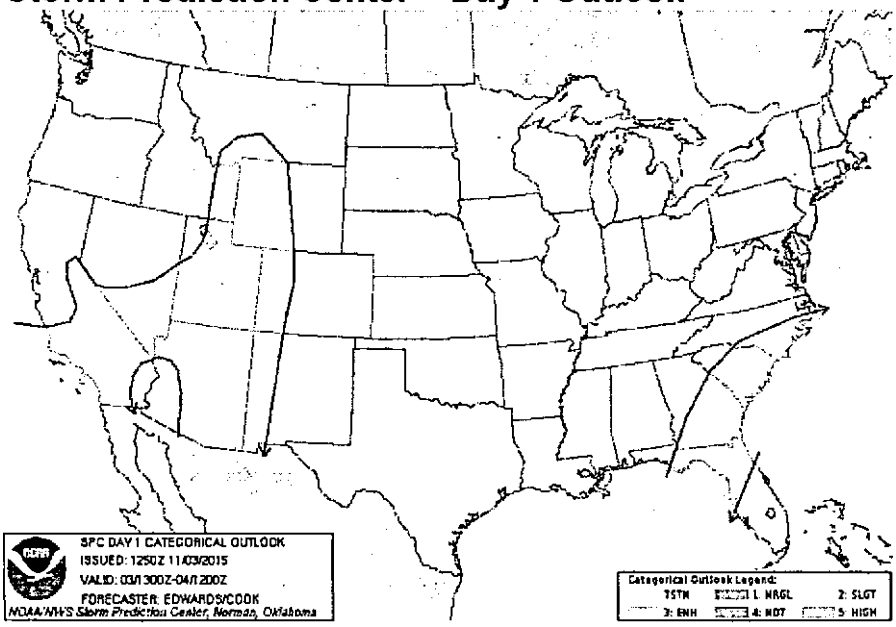

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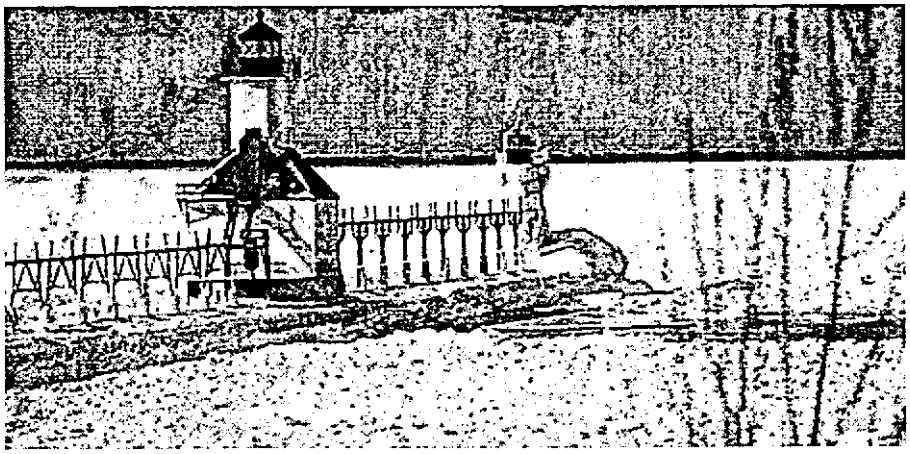

severe-weather
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Ex-Rep. Courser files subpoena to make results of police investigation public

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www.wwmt.com|By Sinclair Broadcast Group

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Sobocinski, Mike (MSP)

From: MSP-EMHSD-NEWS
Sent: Monday, November 02, 2015 11:31 AM
To: MSP-EMHSD-NEWS
Subject: Media Monitoring Report -- November 2, 2015
Attachments: Media Monitoring - 2015.11.02.pdf

MEDIA MONITORING REPORT

11/02/2015

Issues:

- No issues to report.

Summary:

- In a joint effort to inform the community about lead exposure, the Genesee County Health Department and Michigan Department of Health and Human Services will be sending letters to parents.
- Nearly 20 community members met Sunday, Nov. 1 for a local forum providing history on Flint's water crisis and a question and answer session with Michigan Senate Minority Leader Jim Ananich at Unitarian Universalist Congregation of Flint.
- More than 4,000 people joined in a Telephone Town Hall to talk about Flint's water emergency Wednesday, Oct. 29, asking questions of U.S. Rep. Dan Kildee, D-Flint, a Hurley Medical Center doctor and a professor from Virginia Tech University.
- The Flint City Council wants its own attorney to advise it on issues related to Flint's water emergency, but it's unclear whether it will be able to pay any bill.
- The driver of a semi suffered injuries to his arm and the gasoline tanker he was hauling lost about 4,000 gallons of fuel in an Oct. 31 collision on US-23 in Whitney Township.
- An explosion in Redford Township tonight leveled a house and sent a man to Botsford Hospital in Farmington Hills.
- The Michigan State Police, Emergency Management and Homeland Security Division is encouraging Michiganders to make winter emergency preparedness a priority.
- Curtis Parsons of Lenawee County is receiving recognition after being named the 2015 Michigan Professional Emergency Manager of the Year.
- The Michigan Legislature may be inching toward a roads funding package.
- Lansing State Journal reports that when voters in Allegan and Lapeer County go to the polls on Tuesday to select their favorite candidate to fill two vacant seats in the state House of Representatives, they'll also be on the hook for a hefty, and unexpected, bill — likely well into the six figures.
- Michigan State Police have wrapped up an investigation into a side story of the sex scandal and cover-up that prompted former state Rep. Todd Courser, R-Lapeer, to resign from the House of Representatives last month.

- The investigation into the alleged blackmail plot of former state representative Todd Courser is now in the hands of the prosecutor.
- National Weather Service forecast updates.
- TV clips: Informational town hall meeting – Flint Water Emergency

Analysis:

- Media coverage is neutral and positive.
- Coverage continues on Flint water situation.
- Genesee County Health Dept. and Michigan Dept. of Health and Human Services will be sending informational letters to parents regarding lead testing and how to reduce lead exposure.
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- Will continue to monitor situation.

Flint Water
Letters to be sent to Flint parents with information on lead testing
Senator Ananich says water woes will have lasting impact on Flint community
Seven key takeaways from a town hall meeting on Flint's water crisis
Government messed up in Flint water crisis, what next?
Special meeting on Flint water woes is a bust
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Social Media
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FLINT WATER

Letters to be sent to Flint parents with information on lead testing

MLive, October 31, 2015

FLINT, MI – In a joint effort to inform the community about lead exposure, the Genesee County Health Department and Michigan Department of Health and Human Services will be sending letters to parents.

The letters to be sent out next week will provide parents with information regarding lead testing, how to reduce lead exposure, where lead comes from, as well as other useful information. Children cane be exposed to lead from drinking water in lead pipes, old lead paint, soil, pottery, cosmetics, toys, and some household remedies, according to a joint news release from the GCHD and MDHHHS.

Senator Ananich says water woes will have lasting impact on Flint community

MLive, November 1, 2015

FLINT, MI – Nearly 20 community members met Sunday, Nov. 1 for a local forum providing history on Flint's water crisis and a question and answer session with Michigan Senate Minority Leader Jim Ananich at Unitarian Universalist Congregation of Flint.

The forum is part of an annual series hosted by the church. Church officials say they are looking to focus on community issues throughout their 2015-16 fiscal year.

Seven key takeaways from a town hall meeting on Flint's water crisis

MLive, October 29, 2015

FLINT, MI -- More than 4,000 people joined in a Telephone Town Hall to talk about Flint's water emergency Wednesday, Oct. 29, asking questions of U.S. Rep. Dan Kildee, D-Flint, a Hurley Medical Center doctor and a professor from Virginia Tech university.

Government messed up in Flint water crisis, what next?

Detroit Free Press, October 29, 2015

We know what happened in Flint:

The city's water treatment plant, with the state's blessing, didn't add the right chemicals to drinking water pumped from the Flint River. And that failure allowed the more-corrosive river water to leach lead from the city's aging pipes and through faucets throughout the city. Tens of thousands of people were exposed to lead poisoning, which will have irreversible effects on the city's children.

Government agencies are supposed to insist on proper water treatment to prevent this kind of thing — so what on earth happened in Flint?

Special meeting on Flint water woes is a bust

Michigan Radio, October 29, 2015

Flint city staff snubbed city council members who wanted to hold a special meeting tonight on the city's drinking water problems.

No city staffer showed up at the special meeting. City Administrator Natasha Henderson had objections to elements of the planned meeting.

Councilman Eric Mays has been pushing for an "investigative" meeting on Flint's water issues from months. He says the city staff snub was "disrespectful."

Flint City Council votes to hire outside legal help on water issue

MLive, October 30, 2015

FLINT, MI -- The City Council wants its own attorney to advise it on issues related to Flint's water emergency, but it's unclear whether it will be able to pay any bill.

The council voted 4-1 at a special meeting Thursday, Oct. 29, to hire an attorney to help it deal with water issues, but council's actions require approval by the city's Receivership Transition Advisory Board.

City council president: Emergency Manager set Flint on path to river water

MLive, October 29, 2015

Let's not blame the victims for the errors of the state.

The facts are clear: At no time have the elected leaders of the city of Flint voted to use the Flint River as our primary drinking source. The documented facts show the decision to move to the Flint River was made solely by emergency managers sent to run the city on behalf of the state of Michigan.

The idea of using the river as our primary drinking source was firmly rejected in favor of joining the Karegnondi Water Authority (KWA).

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

Around 4,000 gallons of gasoline spilled in crash

Arenac Independent, October 31, 2015

WHITNEY TWP. — The driver of a semi suffered injuries to his arm and the gasoline tanker he was hauling lost about 4,000 gallons of fuel in an Oct. 31 collision on US-23 in Whitney Township.

Au Gres-Sims-Whitney Fire Chief Kurt Humerickhouse said the fire department was paged out to the crash around 10:03 a.m. He said the fuel tanker was being hauled northbound on US-23 and the attached collided with a flatbed trailer that was loaded with trusses being delivered to a property north of Turner Road.

The driver who parked the flatbed trailer was not in the semi used to haul it during the incident, Humerickhouse said. The trailer was parked on the side of the road on the northbound shoulder, he said.

Arenac County Emergency Management Coordinator Ed Rohn said the trailer with the lumber was partially in the roadway, which is what is believed to have caused the crash. Rohn said Northern A-1 Environmental Services of Kalkaska was contacted to clean up the spilled fuel. Rohn said the East Tawas Fire Department was also contacted to shut down US-23 east of the scene, with traffic being rerouted down a detour route. US-23 was also shut down at Turner Road.

House explosion in Redford Twp. Sends 1 to hospital

Detroit Free Press, November 1, 2015

An explosion in Redford Township tonight leveled a house and sent a man to Botsford Hospital in Farmington Hills.

The explosion shortly after 6 p.m. on Gaylord, near 7 Mile, between Inkster and Beech Daly, was heard and felt by residents as far as 3 miles away, according to comments on the township's Facebook page. A photographer on the scene reported to the Free Press that windows of neighboring homes were blown out by the blast.

State Police give tips for winter emergency preparedness

Publication, Date

LANSING — With winter weather rapidly approaching, the Michigan State Police, Emergency Management and Homeland Security Division is encouraging Michiganders to make winter emergency preparedness a priority.

"Some Michigan citizens have already experienced their first snow of the season, reminding us that winter is coming," said Capt. Chris A. Kelenske, Deputy State Director of Emergency Management and Homeland Security and commander of the MSP/EMHSD. "If you haven't done so already, don't wait to take a few extra steps to ensure you and your family are ready for winter."

Severe winter weather poses health and safety concerns with extremely cold temperatures, freezing pipes, potential propane shortages and power outages. The Michigan State Police advise that residents should take the following actions to be prepared for the upcoming winter months.

To prepare your home for winter:

-Weatherproof your home by installing weather-stripping and caulking and insulating walls, doors and windows.

-Insulate any water lines that run along exterior walls so pipes are less likely to freeze.

-Lock in a propane rate now and have a backup heating plan, such as a generator, wood stove or fireplace.

-Have gas or oil furnaces inspected by a qualified professional and change the air filter.

-Have your fireplace and chimney cleaned and inspected. Contact your local fire department for a referral or look for a local inspector online.
-Install battery-operated carbon monoxide (CO) detectors near every sleeping area. CO poisoning is most prevalent when furnaces are turned on to fight cold winter temperatures, but commonly occurs after winter storms and accompanying power outages, when people tend to rely on portable generators for electricity.
-Clean gutters to prevent ice dams from forming. Roof ice dams can cause water to build-up, leading to interior damage.
-Clear storm drains along the curb to enable water to drain. If plugged, water has the potential to go into low-lying areas and flood basements.
-Have an emergency preparedness kit stored safely in your house that includes: water, non-perishable food, a first aid kit, extra batteries, a battery or hand-crank powered radio, emergency lighting or flashlights, extra blankets and warm clothing.

To prepare your vehicle for winter:
-Have your radiator system serviced before winter and make sure to replace windshield wipers and wiper fluid with a wintertime mixture that will not freeze.
-Replace any worn tires and check air pressure regularly.
-Have your brakes, brake fluid, oil, car battery, heater and exhaust checked to make sure everything is running efficiently.
-Keep an emergency preparedness kit in your vehicle stocked with batteries, battery powered or hand-crank radio, flashlight, windshield scraper, jumper cables, mobile phone charger, shovel, blankets, first aid kit, non-perishable food and bottled water in the event you get stranded or stuck.

In support of statewide winter preparedness efforts, Gov. Rick Snyder has proclaimed November 1 through November 7 as Winter Hazards Awareness Week. For more tips, go to their website.

Michigan State Police prep residents with winter weather hazard tips

The News Herald, November 2, 2015

Kicking off Winter Hazards Awareness Week from Nov. 1 to 7, the Michigan State Police and Downriver emergency management teams are encouraging residents to take extra precautions to ensure safety as temperatures begin to drop.

All residents are advised to "winterize" their vehicles in the fall by having an automotive professional check the equipment to make sure it is all running properly, in addition to checking tire treads and filling up on windshield washing solution.

Governor Snyder proclaims November 1-7 as Winter Hazards Awareness Week

MI News 26, October 30, 2015

We've already seen our first snow in Northern Michigan reminding us all that the winter season is on its way.

The Michigan State Police Emergency Management and Homeland Security Division is reminding people to make preparations for potential winter emergencies.

Severe winter weather poses health and safety concerns with extremely cold temperatures, freezing pipes, and power outages.

Hero of the week: Curtis Parsons

Fox 17 Online, October 31, 2015

LANSING, Mich – Each week, West Michigan's Most Wanted recognizes a member or members of law enforcement who've gone above and beyond the call of duty to help the community they serve.

This week, Curtis Parsons of Lenawee County is receiving recognition after being named the 2015 Michigan Professional Emergency Manager of the Year.

Parsons received an award during a special ceremony in Boyne City on October 8.

MICHIGAN POLITICS

Dayne Walling our choice for mayor of Flint

MLive, October 29, 2015

FLINT, MI – As terrible as the Flint water situation has been – and it has been utterly appalling – the election of Flint's next mayor is about more than a single issue.

The contest between incumbent Dayne Walling and challenger Karen Weaver has been overshadowed by the lead crisis, but we must not forget that Flint also faces a host of other large-scale, urban problems: crime, blight, population loss, shrinking revenue and unemployment.

The choice for mayor is not one we take lightly.

Time for flint voters to send Snyder a message and take back the city

MLive, October 30, 2015

There is a notion in some parts that the outcome of Tuesday's election won't really matter in Flint.

That regardless of who wins the mayor's office, it won't really matter because a state-appointed board will still have ultimate veto power.

And that's true.

But ...

Flint voters have a chance to tell Gov. Rick Snyder that they want their democracy back.

Are we there yet? The Senate says no

Michigan Radio, October 29, 2015

The Michigan Legislature may be inching toward a roads funding package. The roughly $1 billion plan would take $600 million from the state's general fund and could include a rollback in the state income tax rate. It would also increase vehicle registration fees by 40%. While the House has passed the plan, the Michigan Senate scheduled and then delayed a vote on the plan.

I spoke with Susan Demas, publisher of Inside Michigan Politics, and Ken Sikkema, former Senate Majority Leader and Senior Policy Fellow at Public Sector Consultants, about how close we are to seeing a final roads funding plan.

TODD COURSER AND CINDY GAMRAT

Courser-Gamrat special elections to cost thousands

Lansing State Journal, October 31, 2015

When voters in Allegan and Lapeer County go to the polls on Tuesday to select their favorite candidate to fill two vacant seats in the state House of Representatives, they'll also be on the hook for a hefty, and unexpected, bill — likely well into the six figures.

The resignation of former state Rep. Todd Courser, R-Lapeer, and expulsion of Rep. Cindy Gamrat, R-Plainwell, on Sept. 11 set up a special election that local officials had not counted on.

There were regular elections already set in the cities in the two counties and ballots had been printed for those races. But there were no elections scheduled for the 18 townships in Lapeer and 21 townships in Allegan County.

State Police wrap up investigation into Courser texts

Lansing State Journal, October 29, 2015

Michigan State Police have wrapped up an investigation into a side story of the sex scandal and cover-up that prompted former state Rep. Todd Courser, R-Lapeer, to resign from the House of Representatives last month.

Courser claimed he was being blackmailed by an anonymous person who was using a burner phone to text messages to him telling him to resign or the details of his extramarital affair with former state Rep. Cindy Gamrat, R-Plainwell would be publicly revealed. Gamrat was expelled by her fellow House members on Sept. 11.

Michigan State Police turn investigation into Courser blackmail over to prosecutor's office

WXYZ, October 29, 2015

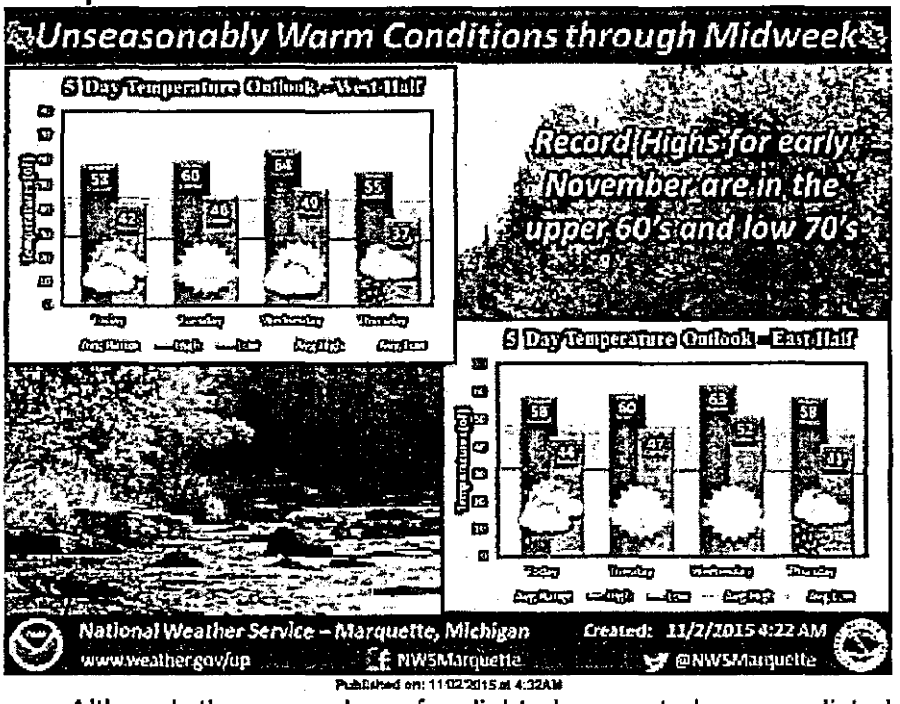
(WXYZ) - The investigation into the alleged blackmail plot of former state representative Todd Courser is now in the hands of the prosecutor.

This comes as Courser's wife is endorsing the husband who publicly admitted that he cheated on her.

The Lapeer County Prosecutor will decide in the next week or so about whether or not anyone will be charged in this alleged blackmail plot.

NATIONAL WEATHER SERVICE FORECASTS

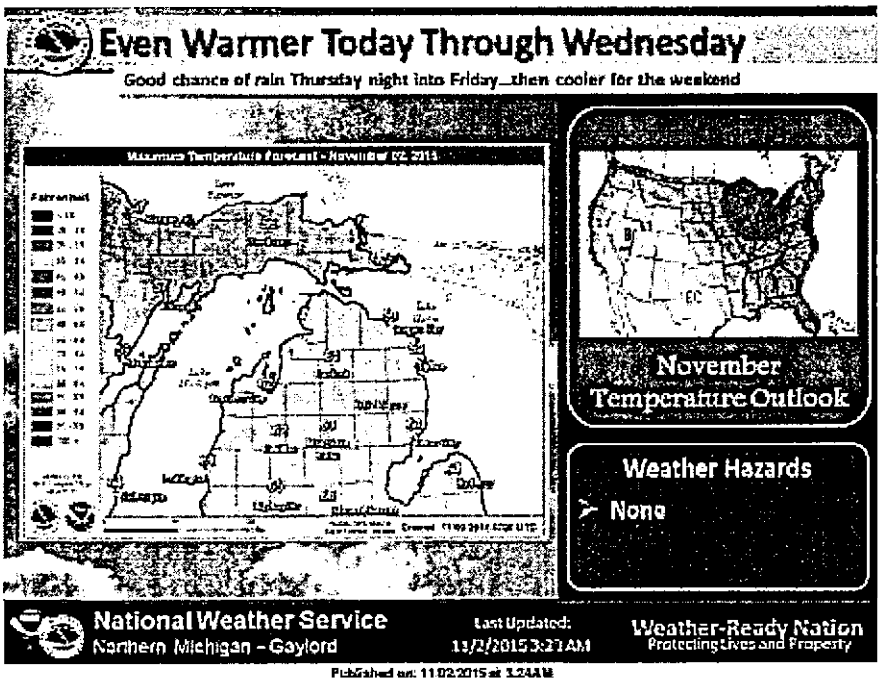
Marquette



Published on: 11/02/2015 at 4:32AM

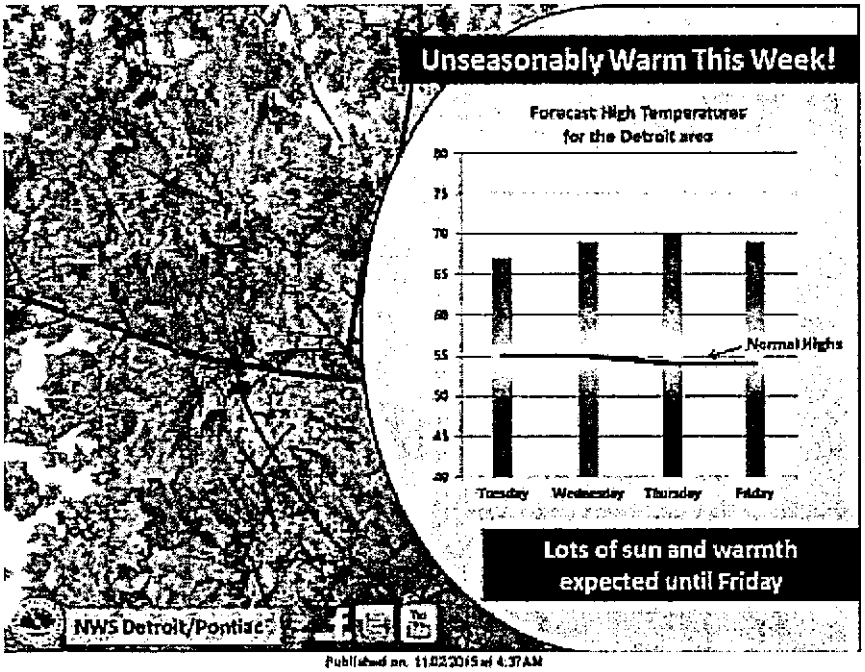
Although there may be a few light showers today as a disturbance crosses the Upper Great Lakes, a building ridge will result in generally dry and mild weather through mid-week. In fact, temperatures at many places will top out in the 60s on Tuesday and especially Wednesday, when some locations over the west may see the thermometer approach 70. The next best chance of rain will arrive on Thursday ahead of low pressure moving into the Great Lakes.

Gaylord



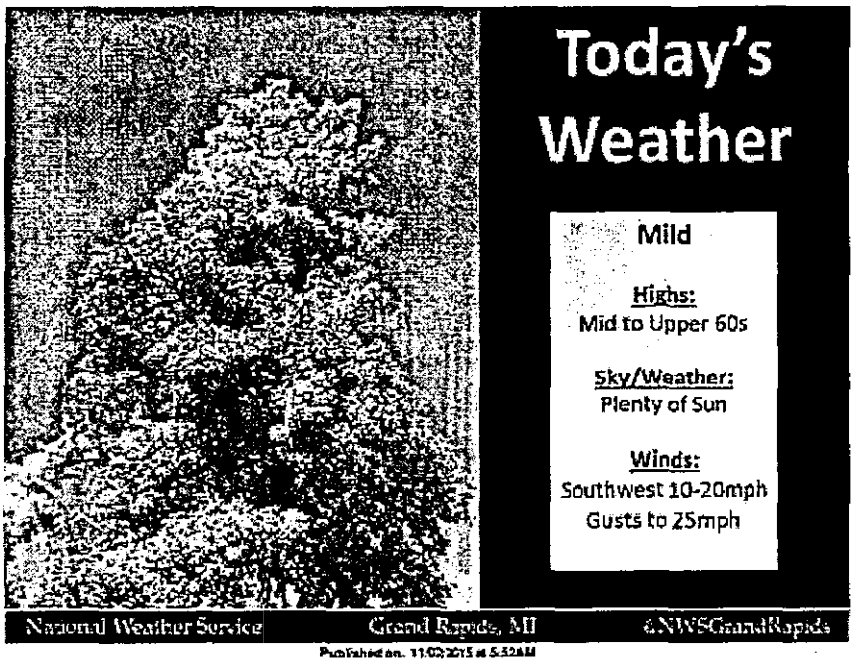
Continued well above normal temperatures through Thursday. Isolated light showers or sprinkles today...next chance for good rain arrives Thursday night into Friday.

Detroit



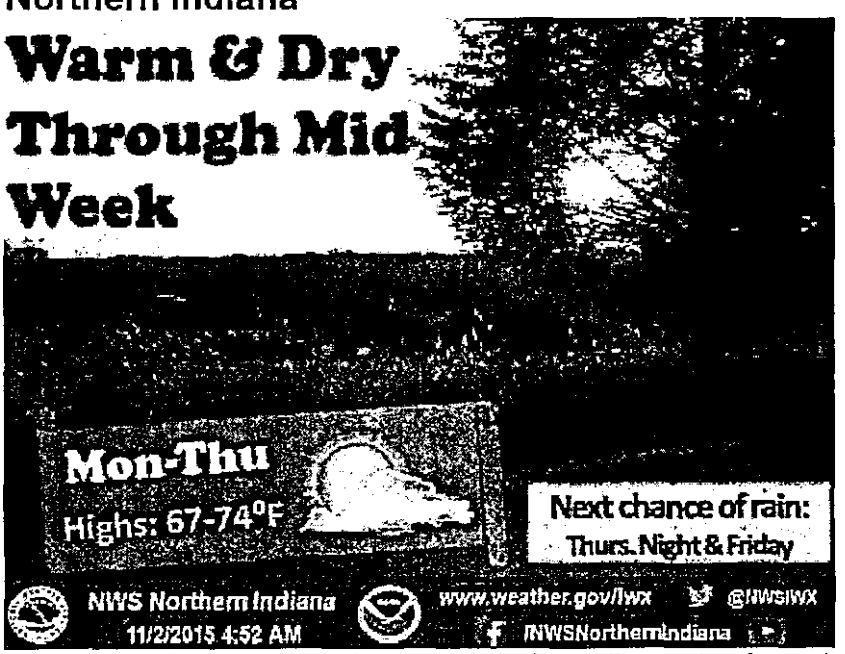
High pressure will bring a prolonged stretch of dry and quiet weather through Thursday. Warmer air will arrive today and remain over the area until then, with high temperatures forecast to run well above normal each day. A low pressure system will then spread rain into the area on Friday.

Grand Rapids



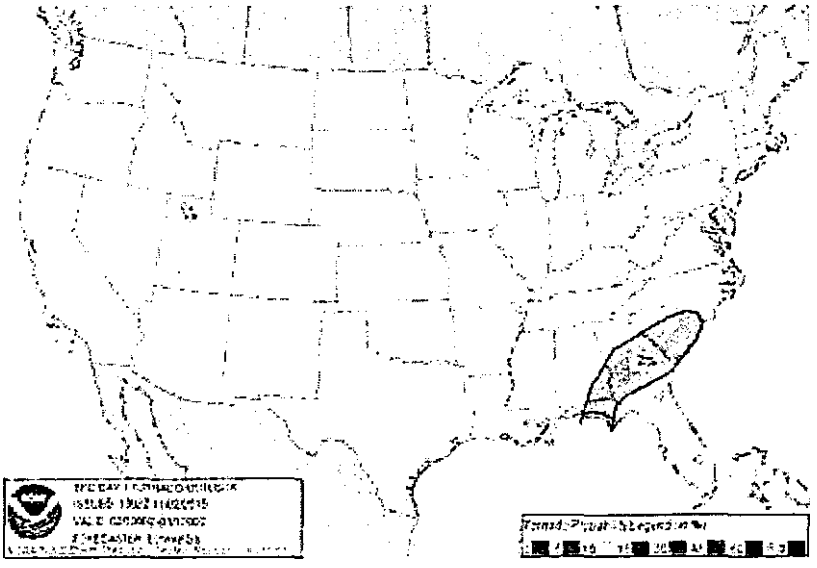
We are expecting quiet and mild weather today. Skies will be mainly sunny. Highs will reach the middle to upper 60s, which will be 10-15 degrees above normal for the date. It will turn breezy this afternoon with southwest winds of 10 to 20 mph gusting at times towards 25 mph.

Northern Indiana



Dry and unseasonably warm weather will persist through Thursday. Highs will be in the upper 60s to lower 70s. Sunny skies expected today and tomorrow but clouds will increase for Wednesday and Thursday. Rain arrives Thursday night with cooler weather for the weekend.

Storm Prediction Center – Day 1 Outlook



TV/Radio Clips

Informational town hall meeting – Flint Water Emergency

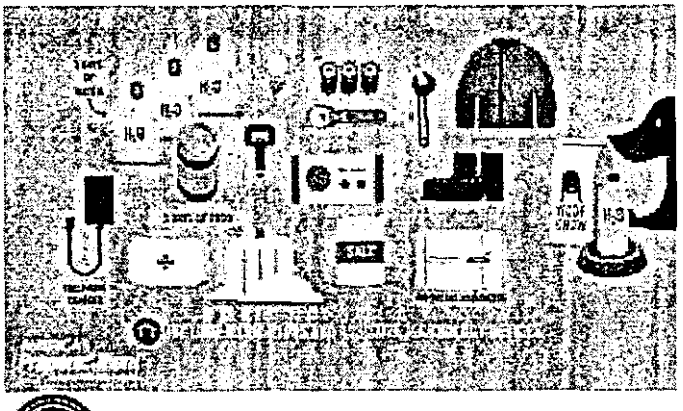
WJRT (ABC) in Flint, November 2, 2015
http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=b218cbaf-44a5-4db5-ae1c-29117ed8bb07

Social Media

Twitter

MichEMHS
@MichEMHS

An emergency preparedness kit is a great way to prepare for winter weather. Stock your kit today!
pic.twitter.com/ORQ3Hi6sMa



MichEMHS @MichEMHS

Winter is on the way! Is your family ready to take action and prepare for the upcoming winter season? #MIWinterReady

MichEMHS @MichEMHS

.@onetoughnerd has proclaimed Nov. 1 - 7 as Winter Hazards Awareness Week! Get tips on how to prepare for winter at 1.usa.gov/1M5tXYs

Essex County Prepare @CofEssexPrepare

RT @Readygov: 40% of small businesses don't reopen after a storm. Prepare your business now: go.usa.gov/8aCQ pic.twitter.com/iovDEvHCCh

MI Prepares @MIPrepares

This is @NOAA #WinterAwarenessWeek! Prepare for MI winter weather by being informed: ow.ly/TRKal #miwx

Facebook

Michigan State Police
October 31 at 11:04am ·

Happy Halloween! Be safe out there!

Governor Rick Snyder
16 hrs · East Lansing, MI ·

"I would say that Michigan is unique because everyone here wants you to succeed. Everyone I've encountered is extremely willing to help in any way that they can. All you have to do is ask for it."

Derek discovered his passion for entrepreneurship at Michigan State University, and he has decided to stay in Michigan to pursue that passion because of the state's incredible resurgence. Read more about his story at http://1.usa.gov/1GBhwDi

ABC12: Your Trusted Source! WJRT-TV
4 hrs ·

JUST IN: Health officials have established guidelines for families on how they should respond to ongoing lead problems in Flint.

Flint families to receive guidelines on lead exposure
Health Department to release guidelines on lead exposure to Flint residents.
http://www.abc12.com

Lansing State Journal
21 hrs ·

When voters in Allegan and Lapeer counties go to the polls on Tuesday, they'll also be on the hook for a hefty, and unexpected, bill — likely well into the six figures.

Courser-Gamrat special elections to cost thousands
lansingstatejournal.com

Detroit Free Press
2 hrs ·

The most controversial new laws address police property seizure and a ban on local wage ordinances.

No roads fix, but more than 70 bills are now Michigan law
State lawmakers have introduced 1,630 bills, 322 resolutions, 42 requests to change state's constitution
freep.com

Lisabeth, Nicole (MSP)

From: Holmes, Virginia (DHHS)
Sent: Saturday, January 16, 2016 1:45 PM
To: Kuzera, Michelle (MSP); Lisabeth, Nicole (MSP); JICManager; Adler, Jessi (DHHS)
Cc: Hunter, Janet (DHHS); Veeser, Chad (DHHS)
Subject: Re: Media Information

I just received confirmation that the times listed are accurate
To be clear we have not generated any press releases
The next step for the donations management plan was to send to you and ask for donation sites to be posted
We do not want Janet's cell to be posted publicly
The local organizations have been posting these donation drop off locations publicly
We would like your guidance in how to begin sending out information for both volunteer requests and donations
I will have a staff member send to you the plans and so we can discuss

Sent from my iPhone

On Jan 16, 2016, at 1:16 PM, "Holmes, Virginia (DHHS)" <HolmesV@michigan.gov> wrote:

> Thank you Michelle for the introduction.
>
> Nicole,
>
> I wanted to alert you to an article that was in the Lansing State Journal. It said that people were heading to flint this weekend to drop off water at the fire stations and other locations.
>
> The Commission is tasked with supporting the volunteer management and donations management for the state. My Director of Communications Jessi Adler is the one who found the article.
>
> I would like to recommend that a heads up be given to the Fire Stations and that they should accept the donations. They can then instruct the people that the community has set up donation sites for water and then ask if they could get the word out as to those locations. I am attaching the donations management plan and you can determine the best way to provide this communication.
>
> In addition, I was wondering if you thought it would be good for one of you to contact the reporter and so he does not continue to provide the wrong locations.

I have copied Jessi Adler, my Communications Director. She is the one who found the article. She can assist you if that would help.

I am the Executive Director of the MCSC and we are the lead agency for volunteerism for the state and in times of disaster are called in to assist with the efforts. We have a Governor appointed Commission and work closely with the MSP to support efforts. I have three staff who are in Flint that are helping with the effort.

I will be sending you the donations management plan and volunteer plan but for this issue the following is the information that we have worked out with the local partners. THere is one change in time that I will send you as soon as I get it. I was alerted that one of the sites is 10 am to 7 pm. But I wanted to get you the information and so you were aware.

Let us know what you think is the best way to handle this and Michelle will get the word out to the fire stations.

Thank you for your assistance.

Ginna

Donations Management Plan - for Materials

II. Material and In-Kind Donations

When donation arrangements have been made, Wendy and Pam will be sent and email alert by Janet.

A. Donation List

- Materials: Water – individual bottles, gallon jugs, and larger.
- In-Kind: Labor to install filters, trucks to deliver materials
  Donors should be directed to Janet Hunter HunterJ8@michigan.gov
  Internal Phone to provide to donors not for publication: cell 989-763-9421

B. Publicize Items to Donate

- The donation list will be sent to partners to post with their networks and post on state, county, and city sites and social media
- Donation items and drop off locations will be listed in a press release.
- Press releases will inform public of donation opportunities
- Government organizations and community partners will be asked to post on their web-sites and social media
- 211 will have all information to share with those who contact them
- Additional information requests for donating can be directed to the Michigan Community Service Commission, Janet Hunter HunterJ8@michigan.gov

B. Warehouse Location – Drop off Location for Large Donations of Water

- A warehouse location to store surplus of donations is located at: 4315 Clio Rd, Flint, MI
  Refer interested donors that have more than one semi truck of water to Janet Hunter HunterJ8@michigan.gov (Internal Phone, not for publication: cell 989-763-9421)

C. Public Drop off locations of Water

- Donations will be tracked at the sites.
- Inventory and burn rates will be tracked to identify need for donations.
- Small Water Donations: – cases and pallets 100 cases or less deliver to:

  Monday - Friday 9:00 am - 4:00 pm Catholic Charities Center for Hope 517 E. Fifth Ave

  Saturday -Sunday 9:00 am – 4:00 pm Red Cross 1401 Grand Traverse

- Large Water Donations – 100 cases or more, one Semi Truck

  Monday - Friday 8:00 am - 4:30 pm Food Bank of Eastern Michigan 2300 Lapeer Rd

  810-239-4441 If Food Bank receives donations offers of more than one semi truck or if they are full, they will refer donor to Janet Hunter to make arrangements to donate to the warehouse.

Ginna Holmes
Executive Director
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

holmesv@michigan.gov
(517) 335-4295

From: Kuzera, Michelle (MSP)
Sent: Saturday, January 16, 2016 12:49 PM
To: Holmes, Virginia (DHHS); Lisabeth, Nicole (MSP); JICManager
Subject: Media Information

Hi Nicole,

I spoke with Ginna Holmes a few minutes ago about a news article that the Lansing State Journal printed. Ginna sits on the governor's Michigan Community Service Commission. She's going to forward that information to you.

Michelle Kuzera
Local Planning Manager
Emergency Management & Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517)333-5017
Fax: (517)333-4987

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To: *Holmes, Virginia (DHHS); Lisabeth, Nicole (MSP); JICManager*
Subject: Media Information

Hi Nicole,

I spoke with Ginna Holmes a few minutes ago about a news article that the Lansing State Journal printed. Ginna sits on the governor's Michigan Community Service Commission. She's going to forward that information to you.

Michelle Kuzera
Local Planning Manager
Emergency Management & Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517)333-5017
Fax: (517)333-4987

Lisabeth, Nicole (MSP)

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 12:58 PM
To: Lisabeth, Nicole (MSP)
Subject: RE: FOX 2 and I Heart Radio

Warehouse 4315 N. Clio Rd. Flint

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 12:49 PM
To: MSP-SEOCPIO
Subject: Re: FOX 2 and I Heart Radio

What's the warehouse address?

-Nicole
Sent from my iPhone

On Jan 16, 2016, at 12:00 PM, "MSP-SEOCPIO" <MSP-SEOCPIO@michigan.gov> wrote:

> State Emergency Operations Center
> Public Information Officer
> 517-324-2304
>
> ---
>
> **From:** MSP-seoclgc
> **Sent:** Saturday, January 16, 2016 11:59 AM
> **To:** MSP-SEOCPIO
> **Subject:** RE: FOX 2 and I Heart Radio
>
> They can contact us to coordinate delivery with the warehouse. Delivery times to the warehouse are 10 a.m. to 7 p.m. Thanks,
>
> State Emergency Operations Center
> Logistics Section Chief
> 517-333-7767
>
> ---
>
> **From:** MSP-SEOCPIO
> **Sent:** Saturday, January 16, 2016 11:15 AM
> **To:** MSP-seoclgc
> **Subject:** FW: FOX 2 and I Heart Radio

Please see below

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 11:05 AM
To: MSP-SEOCPIO
Subject: RE: FOX 2 and I Heart Radio

Thanks for the heads up. We're seeing reports they are collecting donations until 1 p.m.

If logistics needs us to, we can contact them to provide the details of where the water should go (i.e., warehouse).

Let us know.

-Nicole

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 11:01 AM
To: JICManager; Lisabeth, Nicole (MSP)
Subject: FOX 2 and I Heart Radio

Hi,

I just got word from Jay in logistics at the local EOC that FOX 2 and iHeartRadio in Detroit would like to bring 2 semi-truck loads of water today.

State Emergency Operations Center
Public Information Officer
517-324-2304

Lisabeth, Nicole (MSP)

From: Medrano, Sierra (MSP)
Sent: Saturday, January 16, 2016 12:53 PM
To: Lisabeth, Nicole (MSP)
Subject: FW: NEWS RELEASE: Response Efforts Increased to Distribute Water Resources to Flint Residents: TEST

See below.

From: State of Michigan Joint Information Center [mailto:JICNEWS@govsubscriptions.michigan.gov]
Sent: Saturday, January 16, 2016 12:49 PM
To: Medrano, Sierra (MSP)
Subject: NEWS RELEASE: Response Efforts Increased to Distribute Water Resources to Flint Residents: TEST

STATE OF MICHIGAN
JOINT INFORMATION CENTER

Response Efforts Increased to Distribute Water Resources to Flint Residents

Thousands of water resources have been distributed due to collaborative effort

FOR IMMEDIATE RELEASE
January 15, 2016
Release #: 5
For more information contact: Joint Information Center: 888-EMD-TODAY (888-363-8632)

LANSING, Mich. – Beginning on Saturday, January 16, water distribution efforts will expand with more than 20 water response teams going door to door to distribute safe water resources to the homes of Flint residents. These teams will consist of state personnel and American Red Cross volunteers, including approximately 250 State of Michigan employees and their family members who will volunteer Saturday through Monday.

Since January 12, the water resource teams have provided nearly 7,500 Flint homes with bottled water, filters, replacement cartridges and water testing kits.

All members of the water response teams will be wearing official credentialed badges with a State of Michigan seal hologram so they can be easily identified.

"With more teams going door to door, we are confident we will double our efforts to ensure residents receive these much needed resources as soon as possible," said Capt. Chris Kelenske, Deputy State Director of Emergency Management and Homeland Security and commander of the Michigan State Police Emergency Management and Homeland Security Division.

Since January 9, the following resources have been distributed to residents, both at the

water resource sites and by the water response teams:

- More than 18,500 cases of water
- Nearly 46,000 filters
- More than 3,200 water testing kits

In addition to donated supplies, the State of Michigan has purchased the following resources, since January 5, which will continue to be delivered to Flint over the coming days:

- Nearly 45,000 cases of water
- Nearly 79,000 filters
- Nearly 19,000 water testing kits

Flint residents can continue to visit the water resource sites to receive free bottled water, filters, replacement cartridges and water testing kits. The sites are open daily from 9 a.m. to 9 p.m. and are located at:

Fire Station #1
310 East 5th St.
Flint, MI 48502

Fire Station #3
1525 Martin Luther King Ave.
Flint, MI 48503

Fire Station #5
3402 Western Road
Flint, MI 48506

Fire Station #6
716 West Pierson Road
Flint, MI 48505

Fire Station #8
202 East Atherton Road
Flint, MI 48507

The state of Michigan continues to coordinate response efforts in partnership with the city of Flint, Genesee County and local community organizations.

Additional information is available at www.michigan.gov/flintwater or by calling 211.

###

Editor's Note: Photo attached of official water response team badges

NOTE:ALL MEDIA INQUIRIES ARE BEING HANDLED BY THE JOINT INFORMATION CENTER AT 888-EMD-TODAY (888-363-8632) or

JICNews@michigan.gov.

- News Release 5 - Response Efforts Increased to Distribute Water Resources to Flint Residents - 2016.01.15.pdf

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State of Michigan Joint Information Center | Email: JICNews@michigan.gov | Contact Telephone: 1-888-EMD-TODAY (888-363-8632)

This email was sent to Email Address using GovDelivery, on behalf of: Michigan State Police · 333 S. Grand Ave · P.O. Box 30634 · Lansing, MI 48933

Lisabeth, Nicole (MSP)

From: Kuzera, Michelle (MSP)
Sent: Saturday, January 16, 2016 12:49 PM
To: Holmes, Virginia (DHHS); Lisabeth, Nicole (MSP); JICManager
Subject: Media Information

Hi Nicole,

I spoke with Ginna Holmes a few minutes ago about a news article that the Lansing State Journal printed. Ginna sits on the governor's Michigan Community Service Commission. She's going to forward that information to you.

Michelle Kuzera
Local Planning Manager
Emergency Management & Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517)333-5017
Fax: (517)333-4987

Lisabeth, Nicole (MSP)

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 12:32 PM
To: Lisabeth, Nicole (MSP)
Subject: RE: Water giveaways happening Saturday, January 16

Forwarded to OPS and logistics

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 12:30 PM
To: Kuzera, Michelle (MSP); MSP-SEOCPIO
Subject: FW: Water giveaways happening Saturday, January 16

FYI

From: Moon, Jason (LARA)
Sent: Saturday, January 16, 2016 12:19 PM
To: Brown, Melanie (DEQ); Lisabeth, Nicole (MSP); Banner, Shanon (MSP); Leix, Ron (MSP)
Subject: Water giveaways happening Saturday, January 16

http://www.abc12.com/home/headlines/Water-giveaways-happening-Saturday-January-16-365527411.html?device=phone&c=y

Jason Moon
Communications Director
Dept. of Licensing and Regulatory Affairs
517-373-9280
moonj@michigan.gov

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Lisabeth, Nicole (MSP)

From: Moon, Jason (LARA)
Sent: Saturday, January 16, 2016 12:20 PM
To: Brown, Melanie (DEQ); Lisabeth, Nicole (MSP); Banner, Shanon (MSP); Leix, Ron (MSP)
Subject: Jackson: In water crisis 'there are no winners' - WNEM TV 5

http://www.wnem.com/story/30981064/jackson-in-water-crisis-there-are-no-winners

Jason Moon
Communications Director
Dept. of Licensing and Regulatory Affairs
517-373-9280
moonj@michigan.gov

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Lisabeth, Nicole (MSP)

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 12:00 PM
To: JICManager; Lisabeth, Nicole (MSP)
Subject: FW: FOX 2 and I Heart Radio

State Emergency Operations Center
Public Information Officer
517-324-2304

From: MSP-seoclgc
Sent: Saturday, January 16, 2016 11:59 AM
To: MSP-SEOCPIO
Subject: RE: FOX 2 and I Heart Radio

They can contact us to coordinate delivery with the warehouse. Delivery times to the warehouse are 10 a.m. to 7 p.m. Thanks,

State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 11:15 AM
To: MSP-seoclgc
Subject: FW: FOX 2 and I Heart Radio

Please see below

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 11:05 AM
To: MSP-SEOCPIO
Subject: RE: FOX 2 and I Heart Radio

Thanks for the heads up. We're seeing reports they are collecting donations until 1 p.m.

If logistics needs us to, we can contact them to provide the details of where the water should go (i.e., warehouse).

Let us know.

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Subject: FOX 2 and I Heart Radio

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State Emergency Operations Center
Public Information Officer
517-324-2304

Lisabeth, Nicole (MSP)

From: Zarotney, Greg (MSP)
Sent: Saturday, January 16, 2016 11:38 AM
To: Lisabeth, Nicole (MSP)
Cc: Banner, Shanon (MSP)
Subject: RE: NEWS RELEASE: Response Efforts Increased to Distribute Water Resources to Flint Residents

From my brief observations, you're doing a great job. Keep up the good work. It appears everyone is looking to us for leadership and we are providing it in spades.

From: Lisabeth, Nicole (MSP)
Sent: Friday, January 15, 2016 11:40 PM
To: Zarotney, Greg (MSP)
Subject: Fwd: NEWS RELEASE: Response Efforts Increased to Distribute Water Resources to Flint Residents

FYI, attached is the release we sent out tonight at 10:50p with the numbers. Hopefully this process goes smoother now that we have this established.

Thanks for coming to the JIC today. I know your schedule is very busy and I appreciate you taking the time to experience the JIC and see how it works. Having you there today was very helpful, especially with the issue of releasing the Presidential request letter and the staff member who showed up.

Hope your cough goes away! Have a good weekend.

-Nicole
Sent from my iPhone

Begin forwarded message:

> **From:** JICNews <JICNews@michigan.gov>
> **Date:** January 15, 2016 at 10:50:32 PM EST
> **To:** JICNews <JICNews@michigan.gov>
> **Subject: NEWS RELEASE: Response Efforts Increased to Distribute Water Resources to Flint Residents**
>
> **Response Efforts Increased to Distribute Water Resources to Flint Residents**
> *Thousands of water resources have been distributed due to collaborative effort*
>
> **FOR IMMEDIATE RELEASE**
> **January 15, 2016**
> **Release #: 5**
> **For more information contact: Joint Information Center: 888-EMD-TODAY (888-363-8632)**
>
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Fire Station #8
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###

Editor's Note: Photo attached of official water response team badges

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Lisabeth, Nicole (MSP)

From: Katarsky, Anthony (MSP)
Sent: Saturday, January 16, 2016 11:23 AM
To: Lisabeth, Nicole (MSP)
Subject: Feedback from Genesee County

I received the following from Lt Roach in the Genesee County EOC...

> "Hi Wendy, just FYI there is some angst over News Release #5 due to the fact the Sheriff's Ofc was not mentioned again. They are and have been a partner in this process. Thought you may know how to tactfully route this. Can you please have someone let me know the thought process on this so I know how to handle it here?? I really hope we can start including all integral partners."

I know Genesee County is not in the JIC, but is there a way to generically reference their efforts in this type of release?

Anthony P. Katarsky
Assistant Division Commander
Michigan State Police
Emergency Management and Homeland Security Division
517-336-2686

Lisabeth, Nicole (MSP)

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 11:01 AM
To: JICManager; Lisabeth, Nicole (MSP)
Subject: FOX 2 and I Heart Radio

Hi,

I just got word from Jay in logistics at the local EOC that FOX 2 and iHeartRadio in Detroit would like to bring 2 semi-truck loads of water today.

State Emergency Operations Center
Public Information Officer
517-324-2304

Lisabeth, Nicole (MSP)

From: Katarsky, Anthony (MSP)
Sent: Saturday, January 16, 2016 10:21 AM
To: Lisabeth, Nicole (MSP)
Subject: FW: Resource Information

Also, we requested an "expedited" disaster declaration...without the standard joint Preliminary Damage Assessment.

From: Katarsky, Anthony (MSP)
Sent: Saturday, January 16, 2016 10:18 AM
To: Lisabeth, Nicole (MSP) (LisabethN@michigan.gov)
Subject: Resource Information

FYI...The attached document provides good background on resources available under Presidential Emergency and Disaster declarations.

FEMA Fact Sheet

Stafford Act Declaration Process

This fact sheet is intended to provide general information regarding the Stafford Act declaration process. All emergency and major disaster declarations are made solely at the discretion of the President of the United States.

The Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (the Stafford Act) §401 states in part that: "All requests for a declaration by the President that a major disaster exists shall be made by the Governor of the affected State." A State also includes the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands. The Republic of Marshall Islands and the Federated States of Micronesia are also eligible to request a declaration and receive assistance through the Compacts of Free Association.

As a result of the Sandy Recovery Improvement Act, federally recognized Indian tribal governments now have the option of pursuing a declaration directly from the President. While this fact sheet may be informative for Indian tribal governments, FEMA is developing Tribal Declarations Pilot Guidance, which will provide more detailed and specific guidance for Tribal requests.

FEMA has codified the declaration process at 44 C.F.R. Part 206, Subpart B.

Preliminary Damage Assessment

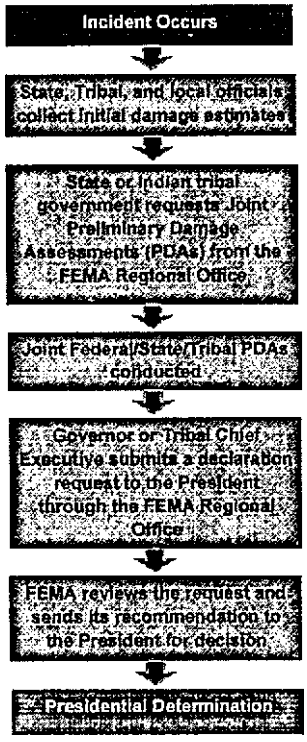
If it is apparent that a Presidential disaster declaration may be necessary to assist in the recovery of the impacted area, the State or Indian tribal government should contact their FEMA Regional Office and request a joint Federal, State/Tribal Preliminary Damage Assessment (PDA). Local government representatives should be included, if possible. Together, the team will conduct a thorough assessment of the impacted area to determine the extent of the disaster, its impact on individuals and public facilities, and the types of federal assistance that may be needed. This information is included in the Governor or Tribal Chief Executive's request to show that the disaster is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local governments or Indian tribal government and that supplemental federal assistance is necessary.

State or Indian Tribal Government Resources Overwhelmed

Once the PDA is complete and the State or Indian tribal government determines that the damage exceeds their resources, the Governor or Tribal Chief Executive may submit a declaration request to the President through their FEMA Regional Office. As part of the request, the Governor or Tribal Chief Executive must take appropriate action under State or Tribal law and direct the execution of the State or Tribal emergency plan. The Governor or Tribal Chief Executive shall furnish information on the nature and amount of State and local or Indian tribal government resources that have been or will be committed to alleviating the results of the disaster, provide an estimate of the amount and severity of damage and the impact on the private and public sectors, and provide an estimate of the type and amount of assistance needed under the Stafford Act. In addition, the

Governor or Tribal Chief Executive must certify that, for the current disaster, State and local governments or Indian tribal government obligations and expenditures will comply with all applicable cost-sharing requirements.

Declaration Process



Generally, the PDA is completed prior to the submission of the Governor or Tribal Chief Executive's request for a major disaster declaration. However, when an obviously severe or catastrophic event occurs, the Governor or Tribal Chief Executive's request may be submitted prior to completion of the PDA.[1] In such circumstances the major disaster will generally be limited to Public Assistance Categories A and/or B (which may be further limited to Direct Federal Assistance (DFA)) and Hazard Mitigation Assistance. For high-impact events where the level of damage to residences is empirically overwhelming, the declaration may also include Individual Assistance. Additional forms of assistance may be added at a later date, pending the completion of PDAs.

Declaration Types

There are two types of disaster declarations provided for in the Stafford Act: emergency declarations and major disaster declarations.[2] Both declaration types authorize the President to provide supplemental federal disaster assistance. However, the events related to the two different types of declaration and scope and amount of assistance differ.

---

[1] 44 C.F.R. §206.33(d)

[2] FEMA has established a third type of declaration, Fire Management Assistance Grant (FMAG) declarations, through regulation. That process differs significantly from the emergency and major disaster processes. More information regarding the FMAG program can be found here: http://www.fema.gov/fire-management-assistance-grant-program

Emergency Declarations: The President can declare an emergency for any occasion or instance when the President determines federal assistance is needed. Emergency declarations supplement State and local or Indian tribal government efforts in providing emergency services, such as the protection of lives, property, public health, and safety, or to lessen or avert the threat of a catastrophe in any part of the United States. The total amount of assistance provided for a single emergency may not exceed $5 million. The President shall report to Congress if this amount is exceeded.

Requirements[3]: The Governor of the affected State or Tribal Chief Executive of the affected Tribe must submit a request to the President, through the appropriate Regional Administrator, within 30 days of the occurrence of the incident. The request must be based upon a finding that the situation is beyond the capability of the State and affected local governments or Indian tribal government and that supplemental federal emergency assistance is necessary to save lives and protect property, public health and safety, or to lessen or avert the threat of a disaster. In addition, the request must include:

- Confirmation that the Governor or Tribal Chief Executive has taken appropriate action under State or Tribal law and directed the execution of the State or Tribal emergency plan;
- A description of the State and local or Indian tribal government efforts and resources utilized to alleviate the emergency;
- A description of other federal agency efforts and resources utilized in response to the emergency; and
- A description of the type and extent of additional federal assistance required.

Assistance Available Under Emergency Declarations:

- Public Assistance (PA) – Only Categories A (debris removal) and B (emergency protective measures) may be authorized under an emergency declaration. Categories C-G (permanent work) are not available under an emergency declaration. Emergency declarations often include only Category B and will typically be limited to DFA, absent damage assessments showing significant need for financial assistance. This assistance is generally provided on a 75% federal, 25% non-federal cost sharing basis.
- Individual Assistance (IA) – The Individuals and Households Program (IHP) is the only form of IA that may be authorized under an emergency declaration. Authorization of IHP under an emergency is rare. Housing Assistance under IHP is provided at a 100% federal share, while Other Needs Assistance under IHP requires a 25% non-federal cost share.
- The Hazard Mitigation Grant Program (HMGP) is not available for emergency declarations.

[3] 44 C.F.R. §206.35

Pre-Disaster Emergency Declarations[4]: A Governor or Tribal Chief Executive may request an emergency declaration in advance or anticipation of the imminent impact of an incident that threatens such destruction as could result in a major disaster. Such requests must meet all of the statutory and regulatory requirements for an emergency declaration request. Requests must demonstrate the existence of critical emergency protective measure needs prior to impact are beyond the capability of the State and affected local governments or Indian tribal government and identify specific unmet emergency needs that can be met through DFA. Such DFA may include, but is not limited to, personnel, equipment, supplies, and evacuation assistance. Pre-positioning of assets generally does not require a declaration. Assistance made available under a pre-disaster emergency declaration will typically be Category B (emergency protective measures), limited to DFA. FEMA may require damage assessments and/or verified cost estimates if additional types of assistance are requested.

Emergency Declarations with Federal Primary Responsibility: When an emergency exists for which the primary responsibility rests with the Federal government, the President may declare an emergency without a request from the Governor of the affected State or the Tribal Chief Executive of the affected Tribe. Such an emergency declaration does not prevent the Governor or Tribal Chief Executive from subsequently requesting a major disaster declaration for other unmet needs caused by the event.

Major Disaster Declarations: The President can declare a major disaster for any natural event, including any hurricane, tornado, storm, high water, wind-driven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought, or, regardless of cause, fire, flood, or explosion, that the President determines has caused damage of such severity that it is beyond the combined capabilities of state and local governments to respond. A major disaster declaration provides a wide range of federal assistance programs for individuals and public infrastructure, including funds for both emergency and permanent work.

Requirements[5]**:** The Governor of the affected State or Tribal Chief Executive of the affected Tribe must submit the request to the President through the appropriate Regional Administrator within 30 days of the occurrence of the incident. The request must based upon a finding that the situation is beyond the capability of the State and affected local governments or Indian tribal government and that supplemental federal assistance is necessary. In addition the request must include:

- Confirmation that the Governor or Tribal Chief Executive has taken appropriate action under State or Tribal law and directed execution of the State or Tribal emergency plan;

[4] This section provides guidance regarding the circumstances under which pre-disaster emergency declarations may be considered and the types of assistance which may be made available, as required by Stafford Act Section 502(c) (42 U.S.C. § 5192(c)).
[5] 44 C.F.R. §206.36

- An estimate of the amount and severity of damage to the public and private sector;
- A description of the State and local or Indian tribal government efforts and resources utilized to alleviate the disaster;
- Preliminary estimates of the type and amount of Stafford Act assistance needed; and
- Certification by the Governor or Tribal Chief Executive that the State and local governments or Indian tribal government will comply with all applicable cost sharing requirements.

Assistance Available Under Major Disaster Declarations: Not all programs, however, are activated for every disaster. The determination of which programs are authorized is based on the types of assistance specified in the Governor or Tribal Chief Executive's request and the needs identified during the joint PDA and subsequent PDAs. FEMA disaster assistance programs are as follows:

- **Individual Assistance** - Assistance to individuals and households, which may include:
  - Individuals and Households Program;
  - Crisis Counseling Program
  - Disaster Case Management
  - Disaster Unemployment Assistance
  - Disaster Legal Services
  - Disaster Supplemental Nutrition Assistance Program

- **Public Assistance** - Assistance to State, Tribal, and local governments and certain private nonprofit organizations for emergency work and the repair or replacement of disaster-damaged facilities, which may include the following Categories:
  - A - Debris removal
  - B - Emergency protective measures
  - C – Roads and bridges
  - D – Water control facilities
  - E – Buildings and equipment
  - F – Utilities
  - G – Parks, recreational and other facilities

- **Hazard Mitigation Assistance** – Assistance to State, Tribal, and local governments and certain private nonprofit organizations for actions taken to prevent or reduce long term risk to life and property from natural hazards.

Factors: When evaluating requests for major disasters and making recommendations to the President, FEMA considers the following factors[6]:

(a) Public Assistance Program

[6] 44 CFR 206.48. The regulation includes a chart titled "Average Amount of Assistance per Disaster." This chart it out of date and is no longer relevant to the declarations process.

1) Estimated cost of the assistance
2) Localized impacts
3) Insurance coverage in force
4) Hazard Mitigation
5) Recent multiple disasters
6) Other federal agency assistance programs

(b) Individual Assistance Program
1) Concentration of damage
2) Trauma
3) Special populations
4) Voluntary agency assistance
5) Insurance
6) Damaged residences – severity and number.

Appeals: The Governor or Tribal Chief Executive can appeal the denial of a major disaster or emergency declaration request. The appeal must be submitted within 30 days of the date of the denial letter and should include additional information justifying the need for supplemental federal assistance.

Post Declaration Actions

Add-ons: The Governor, the Governor's Authorized Representative (GAR), or Tribal Chief Executive can request designation of additional counties and programs within 30 days of the declaration or the end of the incident period, whichever is later. The Governor, GAR, or Tribal Chief Executive may submit an extension request within the 30-day period, providing a valid reason supporting an extension.

Cost Share Adjustments: The authority to adjust the Public Assistance cost share resides with the President. FEMA will recommend an increase in the federal share to not more than 90% for Public Assistance when a disaster is so extraordinary that actual federal obligations under the Stafford Act, excluding administrative cost, meet or exceed a qualifying threshold.[7]

Appeals: Post declaration determinations are generally subject to a one-time appeal. Such appeals must be submitted within 30 days of the denial letter. This deadline may be extended by FEMA, upon request of the State or Indian tribal government. Extension requests must be submitted within the 30 day deadline.

###

"FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards."

September 2015

[7] 44 CFR §206.47(b). The amount is adjusted annually for inflation using the Consumer Price Index for All Urban Consumers.

Lisabeth, Nicole (MSP)

From: Katarsky, Anthony (MSP)
Sent: Saturday, January 16, 2016 2:03 PM
To: Lisabeth, Nicole (MSP)
Subject: Emergency Declaration/Disaster Denial
Attachments: MI DR TD Letter 1.16.16.pdf; 3375 EM SUMMARY.doc

Attached for your use are the two documents to assist with press release development. Please quote the second paragraph "Based on..." to explain why the Disaster was denied. Please let me know if you need anything further. Capt Kelenske requested to approve prior to issuing. Please send to both of us when ready.

Anthony P. Katarsky
Assistant Division Commander
Michigan State Police
Emergency Management and Homeland Security Division
517-336-2686

U.S. Department of Homeland Security
500 C Street, SW
Washington, DC 20472

FEMA

JAN 16 2016

The Honorable Rick Snyder
Governor of Michigan
111 South Capitol Avenue
Lansing, Michigan 48909

Dear Governor Snyder:

This is in response to your January 14, 2016, request for an expedited major disaster declaration for the State of Michigan as a result of water contamination described in your request as beginning on April 25, 2014, and continuing. You specifically requested Individual Assistance and Public Assistance, including direct federal assistance for Genesee County and Hazard Mitigation statewide.

Based on our review of all of the information available, a major disaster declaration under the Stafford Act is not appropriate. The request does not meet the legal definition of a "major disaster" under 42 U.S.C. § 5122, as implemented at 44 C.F.R. §§ 206.2(17). The incident was not a result of a natural catastrophe, nor was it caused by a fire, flood, or explosion.

This denial may be appealed within 30 days after the date of this letter. Any appeal pursuant to 44 CFR § 206.46, along with additional information justifying the appeal, should be submitted to the President through Andrew Velasquez III, Regional Administrator, FEMA Region V, located at 536 South Clark Street, Chicago, Illinois 60605.

Sincerely,

W. Craig Fugate
Administrator

DECLARED JANUARY 16, 2016

SUMMARY

STATE: Michigan

NUMBER: FEMA-3375-EM

INCIDENT: Contaminated Water

INCIDENT PERIOD: April 25, 2014, and continuing

DATE REQUESTED BY GOVERNOR: January 14, 2016

FEDERAL COORDINATING OFFICER: David G. Samaniego
National FCO Program

DESIGNATIONS AND TYPES OF ASSISTANCE:

The Department of Homeland Security, Federal Emergency Management Agency (FEMA), is authorized to provide appropriate assistance for required emergency measures, authorized under Title V of the Stafford Act, to save lives and to protect property and public health and safety, or to lessen or avert the threat of a catastrophe in the designated area. Specifically, FEMA is authorized to provide emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding.

This emergency assistance is to provide water, water filters, water filter cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

OTHER: Additional designations may be made at a later date if requested by the state and warranted by the results of further evaluation.

Note: This is an emergency declaration.

Lisabeth, Nicole (MSP)

From: Katarsky, Anthony (MSP)
Sent: Saturday, January 16, 2016 3:09 PM
To: *Lisabeth, Nicole (MSP)*
Subject: FW: Press Release -- Any Edits?

From: Kelenske, Chris (MSP)
Sent: Saturday, January 16, 2016 3:08 PM
To: Katarsky, Anthony (MSP)
Subject: Fwd: Press Release -- Any Edits?

Sent from my iPhone

Begin forwarded message:

> **From:** "Smith, Paul (GOV)" <SmithP29@michigan.gov>
> **Date:** January 16, 2016 at 3:04:05 PM EST
> **To:** "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
> **Cc:** "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
> **Subject: Re: Press Release -- Any Edits?**
>
> Good additions.
>
> On Jan 16, 2016, at 3:03 PM, Kelenske, Chris (MSP) <KelenskeC@michigan.gov> wrote:
>
> > Instead of "additional funding" how about "additional resources". Also maybe add the reference to the Stafford act. See below in bold.
> >
> > I like the rest.
> >
> > Sent from my iPhone
> >
> > On Jan 16, 2016, at 2:57 PM, Agen, Jarrod (GOV) <AgenJ@michigan.gov> wrote:
> >
> > > President Obama grants Gov. Rick Snyder's request for emergency declaration in Flint
> > >
> > > LANSING, Mich. - President Barack Obama today declared a federal emergency in Flint, based on Gov. Rick Snyder's request made on Thursday,

January 14, providing resources to help provide residents access to safe, clean water.

Obama denied an additional request for a major disaster declaration.

"I appreciate the President approving my federal emergency request and supporting Flint during this critical situation," Snyder said. "I have pledged to use all state resources possible to help heal Flint, and **these additional resources** will greatly assist in efforts underway to ensure every resident has access to clean water resources."

Snyder received notice from FEMA this afternoon that emergency relief has been approved in the form of water, water filters, filter replacements and water test kits. The period of assistance is up to 90 days. Under the Stafford Act, resources totaling $5 million can be used for federal emergencies, and the state is required to match 25 percent. If the $5 million is exhausted, Congress has the option to approve additional funding.

The governor had also requested a major disaster declaration, which was denied based on the legal requirement that **under the Stafford Act disaster** relief is available only for natural events, fires, floods, or explosions. The state is now actively reviewing the process for appealing the disaster declaration denial.

###

Lisabeth, Nicole (MSP)

From: Moon, Jason (LARA)
Sent: Saturday, January 16, 2016 3:01 PM
To: Brown, Melanie (DEQ); Lisabeth, Nicole (MSP); Leix, Ron (MSP); Banner, Shanon (MSP)
Subject: Tweet by Paul Egan on Twitter

Paul Egan (@paulegan4)

1/16/16, 2:57 PM
ALERT: #Obama declares emergency in #FlintWaterCrisis, federal aid coming #migov

Download the Twitter app

Jason Moon
Communications Director
Dept. of Licensing and Regulatory Affairs
517-373-9280
moonj@michigan.gov

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Lisabeth, Nicole (MSP)

From: Shulman, Dan <Dan.Shulman@fema.dhs.gov>
Sent: Saturday, January 16, 2016 3:45 PM
Cc: Nelson, Jason; Lisabeth, Nicole (MSP); Leix, Ron (MSP); JICManager
Subject: FW: Notification of an Emergency Declaration for the State of Michigan (FEMA-3375-EM-MI)
Attachments: MI 3375 EM.DOCX

Importance: High

Good afternoon. Please see the attached and below notification. I will be your primary Congressional Affairs point of contact for this incident. I will be traveling to Michigan this weekend and will be contacting each of your offices to schedule a time for me to come and introduce myself in person.

Best,

Dan Shulman
FEMA Region V
Tel: (312) 408-4427

dan.shulman@fema.dhs.gov

STATE OF MICHIGAN

FEDERAL EMERGENCY DECLARATION FACT SHEET

JANUARY 16, 2016

STATE: Michigan

NUMBER: FEMA-3375-EM

INCIDENT: Contaminated Water

INCIDENT PERIOD: April 25, 2014, and continuing

FEDERAL COORDINATING OFFICER: David G. Samaniego
National FCO Program

DESIGNATIONS AND TYPES OF ASSISTANCE:

The Department of Homeland Security, Federal Emergency Management Agency (FEMA), is authorized to provide appropriate assistance for required emergency measures, authorized under Title V of the Stafford Act, to save lives and to protect property and public health and safety, or to lessen or avert the threat of a catastrophe in the designated area. Specifically, FEMA is authorized to provide emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding.

This emergency assistance is to provide water, water filters, water filter cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

OTHER: Additional designations may be made at a later date if requested by the State and warranted by the results of further evaluation.

NOTE: This is an Emergency Declaration.

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Lisabeth, Nicole (MSP)

From:	Shulman, Dan <Dan.Shulman@fema.dhs.gov>
Sent:	Saturday, January 16, 2016 4:12 PM
Cc:	Nelson, Jason; Lisabeth, Nicole (MSP); JICManager
Subject:	FW: Letter from FEMA to Governor Snyder (MI)
Attachments:	MI DR TD Letter 1.16.16.pdf

Good Afternoon,

Please find attached the response to the State of Michigan's request for a major disaster declaration.

The Governor has been notified.

This denial may be appealed within 30 days after the date of this letter.

If you have any questions, please feel free to contact me.

Dan Shulman
FEMA Region V
Tel: (312) 408-4427
Ce
dan.shulman@fema.dhs.gov

U.S. Department of Homeland Security
500 C Street, SW
Washington, DC 20472

FEMA

JAN 16 2016

The Honorable Rick Snyder
Governor of Michigan
111 South Capitol Avenue
Lansing, Michigan 48909

Dear Governor Snyder:

This is in response to your January 14, 2016, request for an expedited major disaster declaration for the State of Michigan as a result of water contamination described in your request as beginning on April 25, 2014, and continuing. You specifically requested Individual Assistance and Public Assistance, including direct federal assistance for Genesee County and Hazard Mitigation statewide.

Based on our review of all of the information available, a major disaster declaration under the Stafford Act is not appropriate. The request does not meet the legal definition of a "major disaster" under 42 U.S.C. § 5122, as implemented at 44 C.F.R. §§ 206.2(17). The incident was not a result of a natural catastrophe, nor was it caused by a fire, flood, or explosion.

This denial may be appealed within 30 days after the date of this letter. Any appeal pursuant to 44 CFR § 206.46, along with additional information justifying the appeal, should be submitted to the President through Andrew Velasquez III, Regional Administrator, FEMA Region V, located at 536 South Clark Street, Chicago, Illinois 60605.

Sincerely,

W. Craig Fugate
Administrator

Lisabeth, Nicole (MSP)

From: Murray, David (GOV)
Sent: Saturday, January 16, 2016 4:19 PM
To: Holland, Meegan (GOV); Lisabeth, Nicole (MSP)
Cc: Agen, Jarrod (GOV)
Subject: RE: Fact checking

From the declaration. I read this as the federal government will provide up to $5 million, and the state a figure equal to 25 percent of $5 million.

> The Department of Homeland Security, Federal Emergency Management Agency (FEMA), is authorized to provide appropriate assistance for required emergency measures, authorized under Title V of the Stafford Act, to save lives and to protect property and public health and safety, or to lessen or avert the threat of a catastrophe in the designated area. Specifically, FEMA is authorized to provide emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding.
>
> This emergency assistance is to provide water, water filters, water filter cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

From: Holland, Meegan (GOV)
Sent: Saturday, January 16, 2016 4:12 PM
To: Lisabeth, Nicole (MSP); Murray, David (GOV)
Cc: Agen, Jarrod (GOV)
Subject: Fact checking

Is Oosting interpreting this correctly in his Detroit News story?

"The federal government will cover 75 percent of the costs for additional water, water filters, filter cartridges, water test kits and other related items for up to 90 days. Emergency funding is initially limited to $5 million, and the president must alert Congress if additional resources are needed."

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
M
Twitter: @meholland

Lisabeth, Nicole (MSP)

From: gongwerreports@gongwer.com on behalf of Gongwer News Service <gongwerreports@gongwer.com>
Sent: Saturday, January 16, 2016 4:14 PM
To: Michigan_State_Employees_updates@gongwer.com
Subject: NEWS UPDATE--Obama Grants Emergency Declaration For Flint

Saturday, January 16, 2016, 04:12 PM

Obama Grants Emergency Declaration For Flint

Flint's water crisis has been declared a federal emergency.

President Barack Obama on Saturday granted the request from Governor Rick Snyder to declare an emergency in the city as state and local officials, along with private citizens, have worked to provide safe drinking water to city residents.

The president did not grant a second request from Mr Snyder, however, to declare the city and Genesee County a major disaster area.

In a statement, Mr. Snyder, who made the request for the federal emergency declaration late Thursday night, said he appreciated Mr. Obama approving the request "during this critical situation. I have pledged to use all state resources possible to help heal Flint and these additional resources will greatly assist in efforts underway to ensure every resident has access to clean water resources."

The federal declaration means that up to $5 million in U.S. monies can go to help provide water, water filters, filter replacements and water test kits. The financial assistance is for 90 days.

The state must match 25 percent of the federal assistance, under requirements in federal law. Such a match could be included in a supplemental appropriation the state will seek from the Legislature to assist Flint.

Should the $5 million be exhausted, Congress can authorize additional funds for Flint.

The declaration comes as state and national outrage over the crisis, which resulted in Flint children suffering elevated lead levels after the corrosive water from the Flint River caused lead to leech from older plumbing systems, continues to grow.

The city had switched to using water from the Flint River, after it discontinued using the Detroit Water System, as Flint prepared to be part of a new water system that would draw water from Lake Huron. A decision to make that switch was made by the city's emergency manager at the time.

Please send all correspondence to gongwer@gongwer.com This mailbox is not regularly monitored.

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Lisabeth, Nicole (MSP)

From: Governor's Office <governorsoffice@govsubscriptions.michigan.gov>
Sent: Saturday, January 16, 2016 4:16 PM
To: Lisabeth, Nicole (MSP)
Subject: Saturday Jan. 16 update from the Flint Water Response Team

Categories: Policy

This daily update is being issued in order to provide the latest information regarding actions and available resources.

GOV. SNYDER'S REQUEST FOR FEDERAL EMERGENCY DECLARATION APPROVED
Today, President Obama declared a federal emergency in Flint, based on Governor Snyder's request made on Thursday, January 14th, but denied the request for a major disaster declaration.

Governor Snyder received notice from FEMA this afternoon that emergency relief has been approved in the form of water, water filters, filter replacements and water test kits. The period of assistance is up to 90 days. Under the Stafford Act, resources totaling $5 million can be used for federal emergencies, and the state is required to match 25 percent. If the $5 million is exhausted, Congress has the option to approve additional funding.

The governor had also requested a major disaster declaration, which was denied based on the legal requirement that disaster relief is available only for natural events, fires, floods, or explosions. The state is now actively reviewing the process for appealing the disaster declaration denial.

WATER RESOURCES
Water distribution efforts were expanded today with more than 20 water response teams going door to door to distribute safe water resources to the homes of Flint residents. These teams consist of state personnel and American Red Cross volunteers, including approximately 250 State of Michigan employees and their family members who will volunteer through Monday.

Since January 9, the following resources have been distributed to residents, both at the water resource sites and by the water response teams:

- More than 18,500 cases of water
- Nearly 46,000 filters
- More than 3,200 water testing kits

In addition to the water resource distribution sites, the water resource delivery teams have provided nearly 7,500 Flint homes with bottled water, filters, replacement cartridges and water testing kits since January 12. All members of the water response teams will be wearing official credentialed badges with a State of Michigan seal hologram for easy identification.

In addition to donated supplies, the State of Michigan has purchased the following resources, since

January 5:

- Nearly 45,000 cases of water
- Nearly 79,000 filters
- Nearly 19,000 water testing kitsReminders:

REMINDERS

- For Flint water assistance, donation, or volunteer information: Dial 211 or visit www.mi.gov/FlintWater
- Residents should install filters to their taps to ensure they have immediate and ongoing access to safe water.

WATER RESOURCE LOCATIONS
These sites are open seven days a week from 9 a.m. to 9 p.m. with the following resources:

- Bottled water
- Water filters
- Replacement cartridges
- Water testing kits

Fire Station #1
310 East 5th St.
Flint, MI 48502

Fire Station #3
1525 Martin Luther King Ave.
Flint, MI 48503

Fire Station #5
3402 Western Rd.
Flint, MI 48506

Fire Station #6
716 West Pierson Rd.
Flint, MI 48505

Fire Station #8
202 East Atherton Rd.
Flint, MI 48507

We will continue to work to improve the water situation in Flint. Community members and local officials are working together to make sure we hear and respond to concerns. Governor Snyder will continue to keep you updated on the latest news and information. **If you don't find the resources you need by dialing 211 please call the Governor's office directly at 517-335-7858.**

STAY CONNECTED:

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This email was sent to lisabethn@michigan.gov on behalf of: The Executive Office of the Governor · 111 South Capitol Avenue · Lansing, MI 48909 · 517-335-7858

Lisabeth, Nicole (MSP)

From: Holland, Meegan (GOV)
Sent: Saturday, January 16, 2016 4:13 PM
To: Lisabeth, Nicole (MSP); Murray, David (GOV)
Cc: Agen, Jarrod (GOV)
Subject: Fact checking

Is Oosting interpreting this correctly in his Detroit News story?

"The federal government will cover 75 percent of the costs for additional water, water filters, filter cartridges, water test kits and other related items for up to 90 days. Emergency funding is initially limited to $5 million, and the president must alert Congress if additional resources are needed."

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
...
Twitter: @meholland

Lisabeth, Nicole (MSP)

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 4:56 PM
To: JICManager; Lisabeth, Nicole (MSP)
Subject: FW: Bullets for the Captain 1-16-16 as of 5 PM
Attachments: Bullets for the Captain 1-15-16.docx

Please see below numbers, working on number of cases, filters and test kits

State Emergency Operations Center
Public Information Officer
517-324-2304

From: MSP-SEOC5
Sent: Saturday, January 16, 2016 4:55 PM
To: MSP-SEOCOPSC; MSP-SEOCPIO
Cc: FEDERALSEOC
Subject: Bullets for the Captain 1-16-16 as of 5 PM

Jackie and Jane,

Below are the requested numbers. Also please note the below numbers for 1/15/16 have been corrected as yesterday the incorrect numbers were used.

Water Response Teams	TOTALS	1/12/2016	1/13/2016	1/14/2016	1/15/2016	1/16/2016
Occupied Homes	6,031	242	492	716	2,197	2,384
Vacant Homes	2,160	152	161	509	785	553
Unknown	3,129			1,145	1,075	909
Total Homes Visited	**11,320**	394	653	2,370	4,057	3,846
Resources Provided						
Door Hangers	4,382	217	453	817	1,152	1,743
Water - Cases	2,061	117	254	217	221	1,252
Water - Gallons (Jugs)	97				88	9
Filters-Faucet	2,972	112	220	613	781	1,246
Replacement Filter	2,040		137	345	788	770
Filter Pitchers	29	3	13	6	5	2
Water test kits	420	48	109	60	101	102
Total Resources Dispersed	**12,001**					
Future sample test site	453	28	34	52	38	301

Stacy Theis

From: MSP-SEOCOPSC
Sent: Saturday, January 16, 2016 4:26 PM
To: plangc; MSP-seoclgc; FEDERALSEOC
Subject: Bullets for the Captain 1-15-16

Can I get updates such as this from you today, by 5:00, please?

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POD distribution data to date

Filters (faucet)	45,916
Cartridges (replacement)	165,382
Water (cases)	18,576
Test kits	3,000

State purchases:

Water resource team data to date

	TOTAL	1/12/2016	1/13/2016	1/14/2016	1/15/2016
Occupied Homes	2098	242	492	716	648
Vacant Homes	1182	152	161	509	360
Unknown	1600			1145	455
Total Homes	**3280**	394	653	2370	1463
Resources					
Door Hangars	1972	217	453	817	485
Water - Cases	632	117	254	217	44
Water - Gallons	65				65
Filters	1326	112	220	613	381
Replacement Filter	792		137	345	310
Pitchers	26	3	13	6	4
Water test kits	264	48	109	60	47
Total Resources Dispersed	**5077**				
Future sample test site	135	28	34	52	21

*Unknown is a training issue in the field and we are working to correct it.

MSP

- Personnel from MSP have been coordinating and managing the Flint Water Response Teams since Tuesday.
- Over 100 MSP volunteers have reported and worked on the Flint Water Response teams.
- 25 MSP lieutenants and troopers have been coordinating all operational efforts for the Flint Water Response teams in cooperation with state, county, and local partners.
- MSP is also coordinating with the Red Cross Water Response Teams.

MDOC

- The Michigan Department of Corrections has 26 staff and 14 vehicles dedicated (on site) to the Flint Water Crisis response, additionally three MDOC staff are assigned to the SEOC location.
- The resources requested/dedicated currently is as follows:
- (26) MDOC Employees
- (6) Large Box trucks
- (5) 15 passenger vans
- (2) Pick-up trucks
- (2) enclosed transport trailers
- (1)Handicap Accessible Van
- (1)20 passenger Shuttle Bus
- (1) 53' Refrigerated Semi-trailer
- (4) Pallet Jacks for unloading at storage facility

Michigan National Guard

- The request for Guard support is generated by the executive order issued by Governor Snyder on 12 JAN 16. The Michigan State Police are responsible for coordinating all state efforts, including the Michigan National Guard, to assist the City of Flint and Genesee County.
- Members of the Guard will be staged at the 5 water resource sites at fire stations assisting with operations; there are no plans to go door to door.
- The first group of Michigan Guard arrived Wednesday morning to conduct assessment and get acclimated; the full contingent of approximately 30 Soldiers is due to arrive Friday morning.
- The assistance provided by the Michigan Guard allows other agencies to expand their operations and provide even more support to the citizens of Flint.

Human Services

- Provided procurement, acquisition, delivery, and working on disbursement, of hundreds of thousands of water filtration devices.
- MDHHS have provided staff for Flint Water Response Teams 1/12/16 through 1/15/16.
- Continue to provide two locations as points of distribution sites for water filtration devices.
- Michigan Community Service Commission continues to participate heavily in donation management and volunteer coordination efforts at the local level.
- Continue to provide two dedicated PIOs to the event.
- Have four staff dedicated to this event in the SEOC.
- *Local MDHHS staff remains active in human service coordination at the local EOC.*
- CHEEC remains active in support to the SEOC and Local Health Dept. regarding this event.

American Red Cross

- Convened meetings of local NGOs
- Provided volunteers for the sheriff's distribution effort
- Provided volunteers to operate PODs at 5 fire Stations
- Stood up a formal Disaster Relief Operation and established headquarters in Flint
- Provided volunteers to operate PODs at 9 churches
- Provided volunteers to manage warehouse and inventory operations
- Established operation to assemble water test kits

- Provided volunteers to assemble water test kits
- Operating a Volunteer Reception Center
- Providing volunteers for the Water Response Teams
- Providing a logistics-planning consultant
- Coordinating and providing meals for the staff and volunteers assigned to the emergency response.

Adult & Aging Services

- Coordinate with Valley Area Agency on Aging (VAAA) who are continuing to take calls from seniors and caregivers needing water or filters. They are providing this information to the local EOC each afternoon for follow-up.

- Provided over 2,000 addresses of homebound, frail, or otherwise at-risk seniors living in Flint. AASA has in turn forward these addresses to MSP-GIS to overlay their heat map and for local follow-up.

- VAAA local Nursing Home Ombudsman continues to monitor Flint area Nursing Homes to ensure residents have access to safe water.

DTMB updates

- Leased warehouse space for supply distribution
- Credentialing badges for volunteers
- Located JIC in Flint State Office Building with equipment
- SMART devices for water response teams (30 to-date additional quantities requested)
- Procurement of trucks, water, water filters, cartridges and plumbing supplies for pilot water program
- *Printing and delivery of water analysis test forms and informational palm cards*
- Seven drivers with trucks transporting supplies throughout the city
- Temporary fuel cards

Michigan Department of Environmental Quality

- Facilitate supply of water test kits to all Flint Water Treatment Plant customers in collaboration with City and County personnel
- Laboratory services to process samples for lead and copper analysis
- Staffing of SEOC during all operation hours to coordinate agency services, capabilities, activities and respond to resource and information requests
- Staff support at the Joint Information Center
- Coordination and cooperation with various state agencies for sampling plans and implementation strategies for all state regulated facilities to include the provision of resources
- Staffing at the local level to assist with resource and response management
- Verify NSF/ANSI 53 certifications of products delivered to citizens
- Production of a water test sampling video for public guidance

MDARD

- Updated requirements for food establishments using City of Flint water; mailed on 1/14 and includes offer to collect samples for free.
- Visiting food businesses to ensure they understand requirements.
- Will be visiting restaurants, in coordination with Genesee County Health Department
- Reached out to veterinary clinics and coordinated with the Genesee County Animal Control to contact animal related businesses to see what water system they're on and ensured that they were familiar with the Flint water situation.
- Reached out to Flint Food Works / Food Hub and the Food Bank of Eastern Michigan and offered additional assistance.

MDHHS – Health

- Activated the Community Health Emergency Coordination Center (CHECC)
- Staffing a hotline to field calls that were to be sent to the Local Health Department while the LHD is closed for furlough, weekends, and holidays
- Developing a nutritional plan for education and messaging
- Gathering information in preparation for disaster behavioral health response, if a presidential declaration is approved.
- Epidemiology branch continues to assist work with local health department on blood lead testing and case management
- Communicating to healthcare providers through WebMD Medscape.
- Coordinating health information messaging with the JIC.

MDLARA

- Ongoing effort to reached out to all licensed Healthcare facilities in the affected area to gather information and access any needs they may have, to include: Child Care facilities, Adult Foster Care, and others.
- LARA and it's Bureau of Construction Codes - Plumbing Division will complete the "Freeman School Faucet Replacement Pilot." This weekend to include:
    - On-site assessment plumbing to identify plumbing components of concern and prioritize sample sites.
    - Identify and replace faucets, lines, connectors with lead free components.
- Re-collect water samples to test and analyze.
- Offered to assist with lab testing, utilizing the MIOSHA Lab and Scientists as appropriate in coordination with DEQ.
- Provided MDHHS with a list of licensed healthcare facilities to coordinate the distribute nutritional information.
- Worked with the Office of New Americans to assist with translation of messaging

MDEQ

- Facilitating supply of water test kits to all Flint Water Treatment Plant customers in collaboration with City and County personnel.
- Laboratory services are processing samples for lead and copper analysis.
- Providing staff at SEOC during all operational hours to coordinate agency services, capabilities, activities and response to resource and information requests.
- Providing staff support at the Joint Information Center.

- Coordination and cooperation with various state agencies for sampling plans and implementation strategies for all state regulated facilities to include the provision of resources.
- Staffing at the local level to assist with resource and response management
- Verified NSF/ANSI 53 certifications of products delivered to citizens
- Produced a video of a water test sampling video for public guidance

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Lisabeth, Nicole (MSP)

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 5:18 PM
To: Lisabeth, Nicole (MSP)
Subject: RE: Bullets for the Captain 1-16-16 as of 5 PM

Please see below in red

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 5:11 PM
To: MSP-SEOCPIO; JICManager
Subject: RE: Bullets for the Captain 1-16-16 as of 5 PM

Thanks! Can we also get the numbers from the water resource sites? We're giving combined totals for water resource sites and response teams.

Cases of water- 2,594
Filters-3,586
Testing kits-453
-not replacement cartridges

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 4:56 PM
To: JICManager; Lisabeth, Nicole (MSP)
Subject: FW: Bullets for the Captain 1-16-16 as of 5 PM

Please see below numbers, working on number of cases, filters and test kits

State Emergency Operations Center
Public Information Officer
517-324-2304

From: MSP-SEOC5
Sent: Saturday, January 16, 2016 4:55 PM
To: MSP-SEOCOPSC; MSP-SEOCPIO
Cc: FEDERALSEOC
Subject: Bullets for the Captain 1-16-16 as of 5 PM

Jackie and Jane,

Below are the requested numbers. Also please note the below numbers for 1/15/16 have been corrected as yesterday the incorrect numbers were used.

Water Response Teams	TOTALS	1/12/2016	1/13/2016	1/14/2016	1/15/2016	1/16/2016
Occupied Homes	6,031	242	492	716	2,197	2,384
Vacant Homes	2,160	152	161	509	785	553

Unknown	3,129			1,145	1,075	909
Total Homes Visited	**11,320**	394	653	2,370	4,057	3,846
Resources Provided						
Door Hangers	4,382	217	453	817	1,152	1,743
Water - Cases	2,061	117	254	217	221	1,252
Water - Gallons (Jugs)	97				88	9
Filters-Faucet	2,972	112	220	613	781	1,246
Replacement Filter	2,040		137	345	788	770
Filter Pitchers	29	3	13	6	5	2
Water test kits	420	48	109	60	101	102
Total Resources Dispersed	**12,001**					
Future sample test site	453	28	34	52	38	301

Stacy Theis

From: MSP-SEOCOPSC
Sent: Saturday, January 16, 2016 4:26 PM
To: plangc; MSP-seoclgc; FEDERALSEOC
Subject: Bullets for the Captain 1-15-16

Can I get updates such as this from you today, by 5:00, please?

FEMA

Congressional Affairs Division
202-646-4500

STATE OF MICHIGAN

FEDERAL EMERGENCY DECLARATION FACT SHEET

JANUARY 16, 2016

STATE: Michigan

NUMBER: FEMA-3375-EM

INCIDENT: Contaminated Water

INCIDENT PERIOD: April 25, 2014, and continuing

FEDERAL COORDINATING OFFICER: David G. Samaniego
National FCO Program

DESIGNATIONS AND TYPES OF ASSISTANCE:

The Department of Homeland Security, Federal Emergency Management Agency (FEMA), is authorized to provide appropriate assistance for required emergency measures, authorized under Title V of the Stafford Act, to save lives and to protect property and public health and safety, or to lessen or avert the threat of a catastrophe in the designated area. Specifically, FEMA is authorized to provide emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding.

This emergency assistance is to provide water, water filters, water filter cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

OTHER: Additional designations may be made at a later date if requested by the state and warranted by the results of further evaluation.

Note: This is an Emergency Declaration.

Lisabeth, Nicole (MSP)

From: Holland, Meegan (GOV)
Sent: Saturday, January 16, 2016 5:40 PM
To: Lisabeth, Nicole (MSP)
Subject: Three declaration documents
Attachments: Request for Pres Disaster Dec Application 1.pdf; Request for Pres Emergency Dec Application.pdf; Revised Letter to President.pdf

They're attached

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397

Twitter: @meholland

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R., §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. *Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).*
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 C

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 C

6. Declaration Request For: ☒ Major Disaster (Stafford Act Sec. 401) ☐ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date Apr 25, 2014 End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide
☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds
☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm
☒ Other (please specify) Contamination and Damage to Public Water System

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

On April 25, 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Executive. Based on U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children under age 6 are in a high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting elevated blood lead levels. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed Requested _____ Start _____ End _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
Expedited Major Disaster Declaration Request

☐ Public Assistance Dates Performed Requested _____ Start _____ End _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
Expedited Major Disaster Declaration Request

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☒ Crisis Counseling Program ☒ Disaster Unemployment Assistance

☒ All ☒ Disaster Case Management ☒ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Flint, Genesee and Mt. Morris; Cities of Burton and Flint; County of Genesee

We request all available programs. The Individual Assistance programs will be needed to assist residents/water service customers with an estimated cost as much as $54,619,500 to repair damaged lead service lines on private property. The damage estimate is based on damage assessments conducted by the City of Flint with the Genesee County Equalization Department.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☒ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☒ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Flint, Genesee and Mt. Morris; Cities of Burton and Flint; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs which could be in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, cartridges, and water test kits. Damage assessments conducted by the City of Flint with the Genesee County Equalization Department concluded that the total potential damages to the City of Flint water distribution infrastructure is estimated at $712,800,000.

For States, Identify Federally-recognized Tribes included in the requested counties (if applicable).
N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☐ I do not anticipate the need for debris removal.

☒ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:
Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.
State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).
N/A

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☒ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see Enclosure C; Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

Lisabeth, Nicole (MSP)

From: Ringsdorf, Cassie <Cassie.Ringsdorf@fema.dhs.gov>
Sent: Saturday, January 16, 2016 6:17 PM
To: Lisabeth, Nicole (MSP)
Cc: Shulman, Dan; Peterson, Mark J
Subject: Deployment

Hi Nicole,

Dan and I are on the way to Lansing tonight.

I believe you've already spoken to Dan, but I wanted to check in--if there are any immediate needs from me--media monitoring, messaging, etc., let me know. We'll start out in Lansing, but if it's more beneficial for me/us to be in Flint, I think we can make that work.

Talk to you soon,
Cassie

Sent with Good (www.good.com)

Lisabeth, Nicole (MSP)

From: Operations, Lts, Lieutenants (MSP)
Sent: Saturday, January 16, 2016 6:07 PM
Subject: SOM Internet attack

I have just been advised thru Ms. Jeanette Doll (DTMB-Office of Infrastructure Protection) at the SOEC that there is a current Distribution Denial of Service (DDOS) attack on the State of Michigan Web Site. This is apparently connected to the Flint Water Supply event. DTMB is aware and working on the situation at this time.

I will send out as soon as possible if more information becomes available and notification is warranted.

Bcc: Executive Council 1; MIOC Leadership Team 1, Lt. J. Ellis

Spl/Lt. Andy Stoner
Intelligence Operations Division
Michigan Department of State Police
333 South Grand Avenue, PO Box 30634
Lansing, MI. 48909
Phone: 517-241-8000

Lisabeth, Nicole (MSP)

From: Johnson, Bentley (Peters) <Bentley_Johnson@peters.senate.gov>
Sent: Saturday, January 16, 2016 5:54 PM
To: Shulman, Dan
Cc: Nelson, Jason; Lisabeth, Nicole (MSP); Leix, Ron (MSP); JICManager
Subject: Re: Notification of an Emergency Declaration for the State of Michigan (FEMA-3375-EM-MI)

Thanks Dan. We will be in touch about setting up a time to meet. In terms of being prepared for a congressional notification/authorization in the event that $5 million is exhausted, we would appreciate additional info to know what is required or part of that process.

From: Shulman, Dan
Sent: Saturday, January 16, 2016 3:45 PM
Cc: Nelson, Jason; Nicole Lisabeth (MSP-EMHSD); Leix, Ron (MSP); jicmanager@michigan.gov
Subject: FW: Notification of an Emergency Declaration for the State of Michigan (FEMA-3375-EM-MI)

Good afternoon. Please see the attached and below notification. I will be your primary Congressional Affairs point of contact for this incident. I will be traveling to Michigan this weekend and will be contacting each of your offices to schedule a time for me to come and introduce myself in person.

Best,

Dan Shulman
FEMA Region V
Tel: (312) 408-4427
( )
dan.shulman@fema.dhs.gov

STATE OF MICHIGAN

FEDERAL EMERGENCY DECLARATION FACT SHEET

JANUARY 16, 2016

STATE:	Michigan
NUMBER:	FEMA-3375-EM
INCIDENT:	Contaminated Water
INCIDENT PERIOD:	April 25, 2014, and continuing
FEDERAL COORDINATING OFFICER:	David G. Samaniego National FCO Program

DESIGNATIONS AND TYPES OF ASSISTANCE:

The Department of Homeland Security, Federal Emergency Management Agency (FEMA), is authorized to provide appropriate assistance for required emergency measures, authorized under Title V of the Stafford Act, to save lives and to protect property and public health and safety, or to lessen or avert the threat of a catastrophe in the designated area. Specifically, FEMA is authorized to provide emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding.

This emergency assistance is to provide water, water filters, water filter cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

OTHER: Additional designations may be made at a later date if requested by the State and warranted by the results of further evaluation.

NOTE: This is an Emergency Declaration.

Lisabeth, Nicole (MSP)

From: MIOC
Sent: Saturday, January 16, 2016 5:48 PM
Cc: Burger, Penelope (MSP)
Subject: President Obama Signs Emergency Declaration for Michigan

FEMA

President Obama Signs Emergency Declaration for Michigan

FEMA (Federal Emergency Management Agency) sent this bulletin at 01/16/2016 05:35 PM EST

Having trouble viewing this email? View it as a Web page.

You are subscribed to National News Releases for FEMA (Federal Emergency Management Agency). This information has recently been updated, and is now available.

President Obama Signs Emergency Declaration for Michigan

01/16/2016 04:40 PM EST

WASHINGTON, D.C. -- The U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) announced that federal emergency aid has been made available to the State of Michigan to supplement state and local response efforts in the area affected by contaminated water beginning on April 25, 2014, and continuing.

Bcc: Executive Council 1; MIOC Staff DISTRO

Sgt. Dana E. McKee
Michigan State Police
Intelligence Operations Center
333 S. Grand Avenue
P.O. Box 30634
Lansing, MI 48909-0634
(Office) 517-241-8000
(Fax) 517-241-6815

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DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 (

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date Apr 25, 2014 End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm

☒ Other (please specify) Contamination and Damage to Public Water System

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

On April 25, 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Executive. Based on U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children under age 6 are in a high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting elevated blood lead levels. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated cost as much as $54,619,500 over a period of 1 year to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee

We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs which could be in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, filter cartridges, and water test kits.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

Lisabeth, Nicole (MSP)

From: Holland, Meegan (GOV)
Sent: Saturday, January 16, 2016 6:45 PM
To: Lisabeth, Nicole (MSP)
Subject: here is approval of declaration
Attachments: 3375 EM SUMMARY.doc

Attached

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397

Twitter: @meholland

DECLARED JANUARY 16, 2016

SUMMARY

STATE: Michigan

NUMBER: FEMA-3375-EM

INCIDENT: Contaminated Water

INCIDENT PERIOD: April 25, 2014, and continuing

DATE REQUESTED BY GOVERNOR: January 14, 2016

FEDERAL COORDINATING OFFICER: David G. Samaniego
National FCO Program

DESIGNATIONS AND TYPES OF ASSISTANCE:

The Department of Homeland Security, Federal Emergency Management Agency (FEMA), is authorized to provide appropriate assistance for required emergency measures, authorized under Title V of the Stafford Act, to save lives and to protect property and public health and safety, or to lessen or avert the threat of a catastrophe in the designated area. Specifically, FEMA is authorized to provide emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding.

This emergency assistance is to provide water, water filters, water filter cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

OTHER: Additional designations may be made at a later date if requested by the state and warranted by the results of further evaluation.

Note: This is an emergency declaration.

Lisabeth, Nicole (MSP)

From: Katarsky, Anthony (MSP)
Sent: Saturday, January 16, 2016 9:45 PM
To: Lisabeth, Nicole (MSP)
Subject: RE: Numbers Sent to Capt

Please use the numbers I provided. They are correct.

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 9:38 PM
To: Katarsky, Anthony (MSP)
Subject: RE: Numbers Sent to Capt

These are lower than I was provided earlier. Should this be the case?

The numbers are for both the water response teams and water resource sites, correct?

From: Katarsky, Anthony (MSP)
Sent: Saturday, January 16, 2016 9:29 PM
To: Lisabeth, Nicole (MSP)
Subject: Numbers Sent to Capt

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 20,876
    b. Filters 47,935
    c. Filter cartridges 167,401
    d. Test kits 3,322

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. 10 State (6-9 folks) type 3 teams---Goal tomorrow 300 homes per team
    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Anthony P. Katarsky

Assistant Division Commander
Michigan State Police
Emergency Management and Homeland Security Division
517-336-2686

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Assistant Division Commander
Michigan State Police
Emergency Management and Homeland Security Division
517-336-2686

Lisabeth, Nicole (MSP)

From: Holland, Meegan (GOV)
Sent: Saturday, January 16, 2016 7:47 PM
To: Lisabeth, Nicole (MSP)
Subject: RE: Flint website- documents to post

Yes, but it's several key Flint people clamoring for it. But I'll tell them again about the technical issues.

Thank you for keeping on top of this – and for keeping me posted! Don't hesitate to update me. Thanks Nicole.

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 7:46 PM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>
Subject: FW: Flint website- documents to post

FYI, DTMB is still experiencing website issues. I'll let you know as soon as it's visible. In the meantime, if someone needs these ASAP, can an email be sent to them with the documents?

From: emichigan
Sent: Saturday, January 16, 2016 7:39 PM
To: Lisabeth, Nicole (MSP); emichigan
Cc: Buhs, Caleb (DTMB)
Subject: RE: Flint website- documents to post

Nicole, I did get them all loaded, however it looks like the site is down again. I can see in 'preview' mode they are all there, it's just the frontend that's down.

Thanks,

Michelle Stiffler
Michigan.gov Support
DTMB

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 7:30 PM
To: emichigan <emichigan@michigan.gov>
Subject: RE: Flint website- documents to post

See attached. Will this work?

From: emichigan
Sent: Saturday, January 16, 2016 7:07 PM
To: Lisabeth, Nicole (MSP); emichigan
Subject: RE: Flint website- documents to post

Nicole,

We're still having issues with uploading the documents (due to traffic) so I am uploading them through the development center, however one of the documents is being rejected as "corrupt". Would you please send another copy of 'Application Requesting Presidential Emergency Declaration 1.14.16.pdf'

Thanks,

Michelle Stiffler
Michigan.gov Support
DTMB

From: Lisabeth, Nicole (MSP)
Sent: Saturday, January 16, 2016 6:19 PM
To: emichigan <emichigan@michigan.gov>
Subject: Flint website- documents to post
Importance: High

Please post on Flint website- these can be posted as bullets below the social media section (bottom left). There are currently bullets below social and these can be added to the very bottom in the order listed. Attachment are same as link title.

Governor Snyder's letter requesting a Presidential declaration 1.14.16
Application Requesting Presidential Emergency Declaration 1.14.16
Application Requesting Presidential Disaster Declaration 1.14.16
President's Response to Michigan's Disaster Declaration Request 1.16.16

From: Holland, Meegan (GOV)
Sent: Saturday, January 16, 2016 5:40 PM
To: Lisabeth, Nicole (MSP)
Subject: Three declaration documents

They're attached

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397

Twitter: @meholland

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Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
f
Twitter: @meholland

Lisabeth, Nicole (MSP)

From: MSP-SEOCPIO
Sent: Saturday, January 16, 2016 7:02 PM
To: Lisabeth, Nicole (MSP); JICManager
Subject: FW: From Wendy

Please see below

State Emergency Operations Center
Public Information Officer
517-324-2304

-----Original Message-----
From: Hampton, Jacqueline (MSP)
Sent: Saturday, January 16, 2016 7:01 PM
To: MSP-SEOCPIO
Subject: From Wendy

Hey, can you tell Nicole that we need some messaging out on donations. We are getting non-palletized water at all hours of the day/night in many different locations.
Sent from my iPhone

Lisabeth, Nicole (MSP)

From: Katarsky, Anthony (MSP)
Sent: Saturday, January 16, 2016 10:30 PM
To: Lisabeth, Nicole (MSP)
Subject: JIC News Release 6_response efforts to date 1.16.16.doc DRAFT
Attachments: JIC News Release 6_response efforts to date 1.16.16.doc DRAFT.docx

Attached is the revised press release. Emphasis changed to focus on local personnel. I am leaving for the night, so please call my cell if you have any questions.

Lisabeth, Nicole (MSP)

From: Biehl, Laura (GOV)
Sent: Saturday, January 16, 2016 10:54 PM
To: Lisabeth, Nicole (MSP)
Subject: Re: News release for approval

Nope you're good. Get out of there and get some rest!

Laura Biehl
Deputy Press Secretary
Executive Office of Gov. Rick Snyder
Office: (517) 335-6397
C

On Jan 16, 2016, at 10:53 PM, Lisabeth, Nicole (MSP) <LisabethN@michigan.gov> wrote:

> I can add that at the bottom. Thanks for looking at this so late!
>
> Do you want to see it again?
>
> ---
>
> **From:** Biehl, Laura (GOV)
> **Sent:** Saturday, January 16, 2016 10:52 PM
> **To:** Lisabeth, Nicole (MSP)
> **Subject:** Re: News release for approval
>
> Looks good to me. Only question is whether you should put a line in there about the emergency declaration being approved and linking to the other release. Not imperative but just an idea.
>
> Laura Biehl
> Deputy Press Secretary
> Executive Office of Gov. Rick Snyder
> Office: (517) 335-6397
>
> On Jan 16, 2016, at 10:47 PM, Lisabeth, Nicole (MSP) <LisabethN@michigan.gov> wrote:
>
> > We're working on formatting on the official JIC letterhead.
> >
> > Nicole Lisabeth
> > Deputy Manager, Public Affairs Section
> > Office of the Director
> > Michigan State Police
> > Office: 517-241-0357
> >
> > *"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"*
> >
> > <image003.png>

We're on social media! Find all the ways you can connect with us at www.mi.gov/mspconnect.

<JIC News Release 6_response efforts to date 1.16.16.doc DRAFT.docx>

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Lisabeth, Nicole (MSP)

From: Shulman, Dan <Dan.Shulman@fema.dhs.gov>
Sent: Sunday, January 17, 2016 8:40 AM
To: Johnson, Bentley (Peters)
Cc: Nelson, Jason; Lisabeth, Nicole (MSP); Leix, Ron (MSP); JICManager
Subject: RE: Notification of an Emergency Declaration for the State of Michigan (FEMA-3375-EM-MI)

Good morning Bentley.

There isn't anything you'll need to do on the money side. If we reach the $5m limit, FEMA will send a notification letter to Congress addressed to the House and Senate leadership and leadership of the Authorizing and Appropriations Committees, and no action is required from Congress.

Dan Shulman
FEMA Region V
Tel: (312) 408-4427
(
dan.shulman@fema.dhs.gov

From: Johnson, Bentley (Peters) [mailto:Bentley_Johnson@peters.senate.gov]
Sent: Saturday, January 16, 2016 4:54 PM
To: Shulman, Dan <Dan.Shulman@fema.dhs.gov>
Cc: Nelson, Jason <Jason.Nelson2@fema.dhs.gov>; Nicole Lisabeth (MSP-EMHSD) <LisabethN@michigan.gov>; Leix, Ron (MSP) <LeixR@michigan.gov>; jicmanager@michigan.gov
Subject: Re: Notification of an Emergency Declaration for the State of Michigan (FEMA-3375-EM-MI)

Thanks Dan. We will be in touch about setting up a time to meet. In terms of being prepared for a congressional notification/authorization in the event that $5 million is exhausted, we would appreciate additional info to know what is required or part of that process.

From: Shulman, Dan
Sent: Saturday, January 16, 2016 3:45 PM
Cc: Nelson, Jason; Nicole Lisabeth (MSP-EMHSD); Leix, Ron (MSP); jicmanager@michigan.gov
Subject: FW: Notification of an Emergency Declaration for the State of Michigan (FEMA-3375-EM-MI)

Good afternoon. Please see the attached and below notification. I will be your primary Congressional Affairs point of contact for this incident. I will be traveling to Michigan this weekend and will be contacting each of your offices to schedule a time for me to come and introduce myself in person.

Best,

Dan Shulman
FEMA Region V
Tel: (312) 408-4427

dan.shulman@fema.dhs.gov

FEDERAL EMERGENCY DECLARATION FACT SHEET

JANUARY 16, 2016

STATE: Michigan

NUMBER: FEMA-3375-EM

INCIDENT: Contaminated Water

INCIDENT PERIOD: April 25, 2014, and continuing

FEDERAL COORDINATING OFFICER: David G. Samaniego
National FCO Program

DESIGNATIONS AND TYPES OF ASSISTANCE:

The Department of Homeland Security, Federal Emergency Management Agency (FEMA), is authorized to provide appropriate assistance for required emergency measures, authorized under Title V of the Stafford Act, to save lives and to protect property and public health and safety, or to lessen or avert the threat of a catastrophe in the designated area. Specifically, FEMA is authorized to provide emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding.

This emergency assistance is to provide water, water filters, water filter cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

OTHER: Additional designations may be made at a later date if requested by the State and warranted by the results of further evaluation.

NOTE: This is an Emergency Declaration.

Lisabeth, Nicole (MSP)

From:	Shulman, Dan <Dan.Shulman@fema.dhs.gov>
Sent:	Sunday, January 17, 2016 12:07 PM
Cc:	Lisabeth, Nicole (MSP); JICManager; Banner, Shanon (MSP)
Subject:	MSP-FEMA Telephone Briefing - TODAY @ 2:30pm
Attachments:	1-17-2015 cong-leg call invite.docx

Please see the attached and below invitation. Note that this call is for both Federal and State legislative staffs.

Dan Shulman
FEMA Region V
Tel: (312) 408-4427
C
dan.shulman@fema.dhs.gov

FEMA

FEMA 3375 EM – Contaminated Water in Flint, Michigan

Joint State-Federal Operational Update for Congressional/Legislative Staff
January 17, 2016

The MSP EMHSD and FEMA invite you to call into a joint operational update briefing for Congressional and State Legislative staff. Representatives from both agencies will be on the line to provide information and answer any questions that you may have.

Date: January 17, 2016

Time: 2:30 pm EST

Dial in:

Please share this information with any other staff that may be interested.

Questions may be sent in advance to:

Dan Shulman
External Affairs Specialist
DHS-FEMA

MSP Joint Information Center
1-888-EMD-TODAY (1-888-363-8632)
JICNews@michigan.gov

Dan.shulman@fema.dhs.gov

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Lisabeth, Nicole (MSP)

From: Kuzera, Michelle (MSP)
Sent: Sunday, January 17, 2016 1:17 PM
To: JICManager; Lisabeth, Nicole (MSP)
Subject: Warehouse

Confirming that the Rev. Jesse Jackson will be at the warehouse at 3:30? I heard he was in town but not specifically there.

Michelle Kuzera
Local Planning Manager
Emergency Management & Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517)333-5017
Fax: (517)333-4987

Lisabeth, Nicole (MSP)

From: Hawks, Trevor (MSP)
Sent: Sunday, January 17, 2016 1:32 PM
To: Lisabeth, Nicole (MSP)
Subject: FW: FAQ/Fact Sheet
Attachments: LeadInWaterInfoSheet.pdf

Hi Nicole are you in the JIC today? Have you seen these requested changes? I'm not sure I agree with them. I think the request about adding in lead in other parts of the country is not of concern to this particular event and undermines what we are doing specifically for Flint. The flyer is labeled with the Flint Water Response Team logo, I don't think we need to worry about other areas outside of Flint.

I'd also keep from moving the healthy diet section because it stands out anyway. It's a unique message compared to the other parts of this flyer.

I also worry that this thing is going to be edited to death.

-----Original Message-----
From: Eisner, Jennifer (DHHS)
Sent: Sunday, January 17, 2016 1:14 PM
To: Hawks, Trevor (MSP)
Subject: FW: FAQ/Fact Sheet

Hi Trevor -- we had a few more edits come in.. can you make the following updates...

-----Original Message-----
From: Lasher, Geralyn (DHHS)
Sent: Sunday, January 17, 2016 1:10 PM
To: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>
Cc: Wells, Eden (DHHS) <WellsE3@michigan.gov>
Subject: Re: FAQ/Fact Sheet

I would switch out the "Other sources of lead in your home" with the "Healthy diet" section. This makes the healthy diet section bigger. I would also change the header of "Other sources of lead" to something like "Lead info" and open with something like "The Flint water response team is focused on the lead in water crisis. There are other sources of lead scientists encourage people in all parts of the country to be aware of".

See how that looks and then we can chat again.

Sent from my iPhone

> On Jan 17, 2016, at 1:02 PM, Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov> wrote:
>
>
>
> Here's the fact sheet for your review.
>
> Jennifer Eisner
> Public Information Officer
> Michigan Department of Health and Human Services
> Office: 517-241-2112 or EisnerJ@michigan.gov
> (
>

>
> <LeadInWaterInfoSheet.pdf>

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FLINT WATER RESPONSE TEAM

www.michigan.gov/flintwater

LEAD IN FLINT WATER

GENERAL INFORMATION

- Lead is hard to avoid completely. It can be found in water pipes and brass water faucets, old paint, in dirt, at some job sites, and in metal used for some hobbies.
- The amount of lead found in some Flint homes' drinking water could affect kids' health.
  - o Even small amounts of lead can harm kids' health because they are still growing.
  - o Adults are less likely to be harmed by the levels found in the water.
- Filter your drinking water using a National Sanitation Foundation (NSF)-approved filter.
  - o You can receive a free a NSF-approved filter if you use City of Flint water.
  - o Call 2-1-1 to find out where you can pick up a free water filter.
- Some filters can remove up to 99 percent of the lead in water when used properly. To be sure your filter is removing as much lead as it can, carefully follow the instructions that came with it.
  - o Run only cold water through the filter.
  - o Change the filter cartridge as often as the instructions say.
- Even after changes to the water system, it may take a while before lead levels in your home's water drop.

There are a number of steps you can take to keep yourself and your family healthy. Use the tips below to learn more about how to stay healthy:

LEAD IN WATER

Although your water may be a different color sometimes, it is not caused by lead. It's important to remember:

- You can't see, smell, or taste lead in water.
- Lead won't change the color of your water.
- The only way to know what your home's lead levels are is by having your water tested.

LEAD IN BLOOD

- If your children live in Flint or go to school or childcare in the City of Flint, they should be tested for high blood-lead levels.
- You should contact your doctor about testing.
- Testing is available for free at the Genesee County Health Department. Call 2-1-1 if you need help getting there.
- If you are pregnant or nursing, and you have tested negative for high blood-lead levels, it is safe to breastfeed.
- If you are pregnant or nursing and have tested positive for high blood-lead levels, talk to your doctor about the safety of breastfeeding.

TIPS TO KEEP YOUR HOME SAFE FROM LEAD

WATER FILTERS

- Get your water tested. It's free. Call 2-1-1.
- Use a water filter. Call 2-1-1 for a free filter.
- If you do not have a water filter, use bottled water for drinking and mixing formula.
- Use cold, filtered water for cooking.
- Wash fruits and vegetables with filtered water.
- If you must use unfiltered water, run the water for at least five minutes before you use it. To save time and water in the future, it's a good idea to fill up as many containers as you can once you've run your water for five minutes.

CLEANING

- Wash dishes, bottles and toys with unfiltered soapy water and dry before use.
- Use door mats. Take your shoes off when indoors.
- It is safe to use unfiltered tap water to mop floors and wipe down countertops.
- Vacuuming carpets may pull more lead dust to the surface. Use a non-motorized sweeper to clean carpets.
- Clean windowsills and play areas often with paper towels and soapy water.
- It is safe to wash clothes in your washer and dryer.

TIPS TO KEEP YOUR HOME SAFE FROM LEAD

IN THE BATHROOM

- Use filtered tap water to brush your kids' teeth.
- Adults can use unfiltered tap water to brush their teeth.
- You can use unfiltered tap water to shower or bathe, but don't let kids drink the water when they play in the tub.
- Studies done by the Centers for Disease Control and Prevention show that parents can continue bathing their children in the tub but bath time should be used for bathing only, rather than allowing children to play in the water for a long time.
- Lead will not cause rashes or other skin problems. However, if levels of chlorine or other cleaners are high in the water, it may cause itchy or dry skin (similar to what can happen when you swim in a pool).

CARING FOR PETS

- Use filtered tap water for your family pets' water bowls.
- You can use unfiltered tap water to bathe your pets.
- If you notice your pet acting differently than normal, contact your vet.

OTHER SOURCES OF LEAD IN YOUR HOME

LEAD PAINT

- Homes built before 1978 likely have lead paint, both inside and outside.
- Old paint is the most common way that kids are exposed to lead.

DIRT

- If you live in the city, there may be lead in the dirt outside your home.
- Before 1996, gas and the exhaust from cars contained lead. More lead will be found in dirt in busy traffic areas.

DUST

- The dust in your home can have tiny amounts of lead from paint and dirt.

HOBBIES AND JOBS

- Solder, fishing sinkers, bullets, and stained glass framing materials are some items that may contain lead. You could also track home lead dust from your job site.

HEALTHY DIET

- Eat foods high in iron, calcium and vitamin C.
- Wash hands with soap and warm water before eating.
- If you need fresh and healthy food, call the WIC office at 810-237-4537, or for SNAP food assistance apply at www.michigan.gov/mibridges or visit your local Michigan Department of Health and Human Services office.

GOOD SOURCES OF IRON INCLUDE:

- Lean red meats, fish, and chicken
- Cereals with added iron
- Dried fruits (raisins, prunes)

GOOD SOURCES OF CALCIUM INCLUDE:

- Milk
- Yogurt
- Cheese
- Green leafy vegetables (spinach, kale, collard greens)

GOOD SOURCES OF VITAMIN C INCLUDE:

- Oranges, orange juice
- Grapefruit, grapefruit juice
- Tomatoes, tomato juice
- Green peppers

HAVE QUESTIONS?

- For more information about protecting yourself and your family from lead, visit www.michigan.gov/flintwater.
- To find out where you can get a free water filter, call 2-1-1.
- For a free water test, call 2-1-1.
- For more information about lead in your home and what you can do, call the Michigan Department of Health and Human Services at 1-800-648-6942.

Lisabeth, Nicole (MSP)

From: Hawks, Trevor (MSP)
Sent: Sunday, January 17, 2016 2:12 PM
To: Eisner, Jennifer (DHHS); JICManager; Lisabeth, Nicole (MSP)
Subject: RE: FAQ/Fact Sheet

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Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov

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Lisabeth, Nicole (MSP)

From: Governor's Office <governorsoffice@govsubscriptions.michigan.gov>
Sent: Sunday, January 17, 2016 3:09 PM
To: Lisabeth, Nicole (MSP)
Subject: Sunday Jan. 17 update from the Flint Water Response Team

This daily update is being issued in order to provide the latest information regarding actions and available resources.

WATER RESOURCES DISTRIBUTION
To date, more than 11,300 homes have been visited by the water response teams, comprised of local and state personnel, the American Red Cross and volunteers. Over the course of the holiday weekend, Flint residents and approximately 300 state employees and their family members are volunteering to help increase door to door efforts.

The following resources were distributed from Jan. 9 - Jan. 16 through door to door efforts and at water resource centers:

- 20,876 Cases of bottled water
- 47,935 Water filters
- 167,401 Water filter replacement cartridges
- 3,322 Water testing kits

To help enhance the water testing process, Flint residents can drop-off water samples to the five water resource sites. Samples will only be accepted by using the official water testing kits provided at the water resource sites and by the water response teams.

REMINDERS

- For Flint water assistance, donation, or volunteer information: Dial 211 or visit www.mi.gov/FlintWater
- Residents should install filters to their taps to ensure they have immediate and ongoing access to safe water. Only run cold water through the water filter and use filtered water for drinking and cooking.

WATER RESOURCE LOCATIONS
These sites are open seven days a week from 9 a.m. to 9 p.m. with the following resources:

- Bottled water
- Water filters
- Replacement cartridges for water filters
- Water testing kits pick-up
- Drop-off location for water testing kits

Fire Station #1
310 East 5th St.
Flint, MI 48502

Fire Station #3
1525 Martin Luther King Ave.
Flint, MI 48503

Fire Station #5
3402 Western Rd.
Flint, MI 48506

Fire Station #6
716 West Pierson Rd.
Flint, MI 48505

Fire Station #8
202 East Atherton Rd.
Flint, MI 48507

We will continue to work to improve the water situation in Flint. Community members and local officials are working together to make sure we hear and respond to concerns. Governor Snyder will continue to keep you updated on the latest news and information. **If you don't find the resources you need by dialing 211 please call the Governor's office directly at 517-335-7858.**

STAY CONNECTED:

SUBSCRIBER SERVICES:
Manage Preferences | Unsubscribe | Help

This email was sent to lisabethn@michigan.gov on behalf of: The Executive Office of the Governor · 111 South Capitol Avenue · Lansing, MI 48909 · 517-335-7858

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RETAIN THIS IMAGE
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Lisabeth, Nicole (MSP)

From: Shulman, Dan <Dan.Shulman@fema.dhs.gov>
Sent: Sunday, January 17, 2016 3:21 PM
Cc: Lisabeth, Nicole (MSP); JICManager; Banner, Shanon (MSP)
Subject: RE: MSP-FEMA Telephone Briefing - TODAY @ 2:30pm
Attachments: General Talking Points_011716 (1).pdf

Per our discussion during the conference call, here are general talking points about Flint water. Questions may be sent to:

Dan Shulman
External Affairs Specialist
DHS-FEMA
Dan.shulman@fema.dhs.gov

MSP Joint Information Center
1-888-EMD-TODAY (1-888-363-8632)
JICNews@michigan.gov

January 17, 2016

Flint Water Emergency Response
General Talking Points

NOT INTENDED TO BE DISSEMINATED TO THE MEDIA OR PUBLIC IN THIS FORMAT

Background

- On January 16, President Obama approved Governor Snyder's request for a federal emergency in Flint. This action will provide emergency relief in the form of bottled water, water filters, filter replacements, and water test kits. The period of assistance is up to 90 days.
    - Governor Snyder had also requested a major disaster declaration, which the President denied based on the legal requirement that under the Stafford Act disaster relief is available only for natural events, fires, floods, or explosions. The state is reviewing the process for appealing the disaster declaration denial.
- The State Emergency Operations Center in Lansing has been activated since January 5 and continues to be staffed seven days a week by members of state agencies and other partners to coordinate the state's response.

Current Status/Update

- The state continues to bring all state resources to bear to protect public health and safety. One of our most important messages and priorities continues to be making sure residents are aware of the information and free resources available to them, which include bottled water, water filters, replacement cartridges, water test kits.
- The one-stop shop for finding all these resources is by visiting www.michigan.gov/FlintWater or calling 2-1-1.
- Including today's anticipated activity, water response teams, who are going door-to-door, have distributed resources to nearly 7,000 Flint homes providing residents with free bottled water, filters, replacement cartridges, and water testing kits.

- More than 12,000 homes have been visited by the water response teams, which are a collaborative effort comprised of local and state personnel, American Red Cross personnel, and volunteers.

- The Michigan National Guard has been activated to assist with distribution efforts at the five water resource sites at fire stations in the city. Starting tomorrow, the number of National Guard members will be further increased to approximately 70 National Guard members handing out resources at the fire stations in the city.

- From January 9 - 16, the following resources have been distributed to residents, both at the water resource sites and by the water response teams:

    - Nearly 20,900 cases of water
    - Nearly 48,000 water filters
    - More than 3,300 water testing kits

- To help enhance the water testing process, Flint residents can now drop-off water samples to the five water resource sites at fire stations. Samples will only be accepted by using the official water testing kits provided at the water resource sites and by the water response teams.

- Water resource sites are open daily from 9 a.m. to 9 p.m. and are located at:

    Fire Station #1
    310 East 5th St.
    Flint, MI 48502

    Fire Station #3
    1525 Martin Luther King Ave.
    Flint, MI 48503

    Fire Station #5
    3402 Western Road
    Flint, MI 48506

    Fire Station #6
    716 West Pierson Road
    Flint, MI 48505

    Fire Station #8
    202 East Atherton Road
    Flint, MI 48507

Filters

- When used properly water filters remove 99% of lead in water. Residents are urged to use filtered water for drinking, food preparation, brushing teeth, and watering pets. Unfiltered water may be used for bathing and cleaning.

- One filter and one replacement cartridge are being provided per household initially. Each filter is good for approximately 100 gallons of water. The filter has an indicator on it that will turn from green to red when it needs to be replaced.

- The filters do have a five-year, non-replaceable battery that operates the indicator light.

- There is a detailed video posted on www.michigan.gov/flintwater that explains how to properly install a water filter cartridge.

Resources for homebound individuals

- 2-1-1 is collecting a list of individuals needing home delivery of water resources and is providing that information to the Genesee County Sheriff's Department, who is making these deliveries.

- The Plumbers and Pipefitters Union has agreed to provide free water filter installation to homebound residents needing assistance. This is being coordinated through 2-1-1.

Outside Support Efforts – Volunteers and Donations

- There has been great cooperation on the ground in Flint by many local agencies, from the city and county to churches and public, private, and non-profit groups to help with this effort.

- The American Red Cross, United Way, 2-1-1, and many other organizations have assisted with water resource distribution efforts and the donations management process.

- Volunteers and donations are being coordinated through 2-1-1, in cooperation with the American Red Cross. Persons/organizations wishing to donate 100 cases of water or less can be taken to the American Red Cross located at 1401 S. Grand Traverse in Flint.

- Volunteers can also report to the American Red Cross for processing.

Lisabeth, Nicole (MSP)

From: Shulman, Dan <Dan.Shulman@fema.dhs.gov>
Sent: Sunday, January 17, 2016 3:23 PM
To: Lisabeth, Nicole (MSP); Banner, Shanon (MSP)
Cc: Ringsdorf, Cassie
Subject: Outreach to local officials

We should, at some point, discuss how we (FEMA) can assist you with any outreach to local officials that you want to do. Just let me know how I can support you.

Dan Shulman
External Affairs Specialist
U.S. Department of Homeland Security
FEMA Region V
536 S. Clark Street, 6th Floor
Chicago, IL 60605
Tel: (312) 408-4427
(
dan.shulman@fema.dhs.gov

Stay Connected with FEMA:

Lisabeth, Nicole (MSP)

From: Hawks, Trevor (MSP)
Sent: Sunday, January 17, 2016 4:04 PM
To: Eisner, Jennifer (DHHS); JICManager; Lisabeth, Nicole (MSP)
Subject: RE: FAQ/Fact Sheet
Attachments: LeadInWaterInfoSheet.pdf; LeadInWaterInfoSheetV2.pdf

Well, whatever route you guys decide to go, here are both versions.

Trevor Hawks
Graphic Arts Designer
Emergency Management and Homeland Security Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5037

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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>>
>> Jennifer Eisner
>> Public Information Officer
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>>
>>
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>> <LeadInWaterInfoSheet.pdf>
>
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FLINT WATER RESPONSE TEAM

www.michigan.gov/flintwater

LEAD IN FLINT WATER

GENERAL INFORMATION

- Lead is hard to avoid completely. It can be found in water pipes and brass water faucets, old paint, in dirt, at some job sites, and in metal used for some hobbies.
- The amount of lead found in some Flint homes' drinking water could affect kids' health.
  - Even small amounts of lead can harm kids' health because they are still growing.
  - Adults are less likely to be harmed by the levels found in the water.
- Filter your drinking water using a National Sanitation Foundation (NSF)-approved filter.
  - You can receive a free a NSF-approved filter if you use City of Flint water.
  - Call 2-1-1 to find out where you can pick up a free water filter.
- Some filters can remove up to 99 percent of the lead in water when used properly. To be sure your filter is removing as much lead as it can, carefully follow the instructions that came with it.
  - Run only cold water through the filter.
  - Change the filter cartridge as often as the instructions say.
- Even after changes to the water system, it may take a while before lead levels in your home's water drop.

There are a number of steps you can take to keep yourself and your family healthy. Use the tips below to learn more about how to stay healthy:

LEAD IN WATER

Although your water may be a different color sometimes, it is not caused by lead. It's important to remember:

- You can't see, smell, or taste lead in water.
- *Lead won't change the color of your water.*
- The only way to know what your home's lead levels are is by having your water tested.

LEAD IN BLOOD

- If your children live in Flint or go to school or childcare in the City of Flint, they should be tested for high blood-lead levels.
- You should contact your doctor about testing.
- Testing is available for free at the Genesee County Health Department. Call 2-1-1 if you need help getting there.
- If you are pregnant or nursing, and you have tested negative for high blood-lead levels, it is safe to breastfeed.
- If you are pregnant or nursing and have tested positive for high blood-lead levels, talk to your doctor about the safety of breastfeeding.

TIPS TO KEEP YOUR HOME SAFE FROM LEAD

WATER FILTERS

- Get your water tested. It's free. Call 2-1-1.
- Use a water filter. Call 2-1-1 for a free filter.
- If you do not have a water filter, use bottled water for drinking and mixing formula.
- Use cold, filtered water for cooking.
- Wash fruits and vegetables with filtered water.
- If you must use unfiltered water, run the water for at least five minutes before you use it. To save time and water in the future, it's a good idea to fill up as many containers as you can once you've run your water for five minutes.

CLEANING

- Wash dishes, bottles and toys with unfiltered soapy water and dry before use.
- Use door mats. Take your shoes off when indoors.
- It is safe to use unfiltered tap water to mop floors and wipe down countertops.
- Vacuuming carpets may pull more lead dust to the surface. Use a non-motorized sweeper to clean carpets.
- Clean windowsills and play areas often with paper towels and soapy water.
- *It is safe to wash clothes in your washer and dryer.*

FLINT WATER RESPONSE TEAM

www.michigan.gov/flintwater

TIPS TO KEEP YOUR HOME SAFE FROM LEAD

IN THE BATHROOM

- *Use filtered tap water to brush your kids' teeth.*
- Adults can use unfiltered tap water to brush their teeth.
- You can use unfiltered tap water to shower or bathe, but don't let kids drink the water when they play in the tub.
- Studies done by the Centers for Disease Control and Prevention show that parents can continue bathing their children in the tub but bath time should be used for bathing only, rather than allowing children to play in the water for a long time.
- Lead will not cause rashes or other skin problems. However, if levels of chlorine or other cleaners are high in the water, it may cause itchy or dry skin (similar to what can happen when you swim in a pool).

CARING FOR PETS

- *Use filtered tap water for your family pets' water bowls.*
- You can use unfiltered tap water to bathe your pets.
- If you notice your pet acting differently than normal, contact your vet.

OTHER SOURCES OF LEAD IN YOUR HOME

LEAD PAINT

- Homes built before 1978 likely have lead paint, both inside and outside.
- Old paint is the most common way that kids are exposed to lead.

DIRT

- If you live in the city, there may be lead in the dirt outside your home.
- Before 1996, gas and the exhaust from cars contained lead. More lead will be found in dirt in busy traffic areas.

DUST

- The dust in your home can have tiny amounts of lead from paint and dirt.

HOBBIES AND JOBS

- Solder, fishing sinkers, bullets, and stained glass framing materials are some items that may contain lead. You could also track home lead dust from your job site.

HEALTHY DIET

- Eat foods high in iron, calcium and vitamin C.
- Wash hands with soap and warm water before eating.
- If you need fresh and healthy food, call the WIC office at 810-237-4537, or for SNAP food assistance apply at www.michigan.gov/mibridges or visit your local Michigan Department of Health and Human Services office.

GOOD SOURCES OF IRON INCLUDE:

- Lean red meats, fish, and chicken
- Cereals with added iron
- Dried fruits (raisins, prunes)

GOOD SOURCES OF CALCIUM INCLUDE:

- Milk
- Yogurt
- Cheese
- Green leafy vegetables (spinach, kale, collard greens)

GOOD SOURCES OF VITAMIN C INCLUDE:

- Oranges, orange juice
- Grapefruit, grapefruit juice
- Tomatoes, tomato juice
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HAVE QUESTIONS?

- For more information about protecting yourself and your family from lead, visit www.michigan.gov/flintwater.
- To find out where you can get a free water filter, call 2-1-1.
- For a free water test, call 2-1-1.
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HAVE QUESTIONS?

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Lisabeth, Nicole (MSP)

From: JICManager
Sent: Sunday, January 17, 2016 4:22 PM
To: Hawks, Trevor (MSP); Eisner, Jennifer (DHHS); Lisabeth, Nicole (MSP)
Subject: RE: FAQ/Fact Sheet

Hi Trevor,

Yes, we will have a news release this evening with out updated activity numbers. It shouldn't be too late though.

-Sierra

From: Hawks, Trevor (MSP)
Sent: Sunday, January 17, 2016 4:16 PM
To: Eisner, Jennifer (DHHS); JICManager; Lisabeth, Nicole (MSP)
Subject: RE: FAQ/Fact Sheet

You guys have any press releases going up this evening?

-----Original Message-----
From: Eisner, Jennifer (DHHS)
Sent: Sunday, January 17, 2016 4:06 PM
To: Hawks, Trevor (MSP); JICManager; Lisabeth, Nicole (MSP)
Subject: RE: FAQ/Fact Sheet

Thank you so much.

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov

-----Original Message-----
From: Hawks, Trevor (MSP)
Sent: Sunday, January 17, 2016 4:04 PM
To: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; JICManager <JICManager@michigan.gov>; Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
Subject: RE: FAQ/Fact Sheet

Well, whatever route you guys decide to go, here are both versions.

Trevor Hawks
Graphic Arts Designer
Emergency Management and Homeland Security Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5037

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Eisner, Jennifer (DHHS)
Sent: Sunday, January 17, 2016 2:13 PM
To: Hawks, Trevor (MSP); JICManager; Lisabeth, Nicole (MSP)
Subject: RE: FAQ/Fact Sheet

Same -- I'm just relaying the request that was passed down to me.

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov

-----Original Message-----
From: Hawks, Trevor (MSP)
Sent: Sunday, January 17, 2016 2:12 PM
To: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; JICManager <JICManager@michigan.gov>; Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
Subject: RE: FAQ/Fact Sheet

I'll do whatever is decided. It doesn't matter to me one bit. I just wanted to make sure that this aligns with everything we've put out. I haven't seen anything else referring to sources of lead across the country.

As far as the nutrition section, I'm also just giving design recommendations. Whatever you guys want.

-----Original Message-----
From: Eisner, Jennifer (DHHS)
Sent: Sunday, January 17, 2016 1:57 PM
To: JICManager; Lisabeth, Nicole (MSP); Hawks, Trevor (MSP)
Subject: RE: FAQ/Fact Sheet

These edits were requested by our Chief Medical Executive.

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov

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From: JICManager
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Cc: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>
Subject: RE: FAQ/Fact Sheet

I'm looping in Jen.

-Sierra

From: Lisabeth, Nicole (MSP)
Sent: Sunday, January 17, 2016 1:49 PM
To: Hawks, Trevor (MSP)
Cc: JICManager
Subject: Re: FAQ/Fact Sheet

Hi Trevor,

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-Nicole

Sent from my iPhone

> On Jan 17, 2016, at 1:32 PM, "Hawks, Trevor (MSP)" <HawksT@michigan.gov> wrote:
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> From: Eisner, Jennifer (DHHS)
> Sent: Sunday, January 17, 2016 1:14 PM
> To: Hawks, Trevor (MSP)
> Subject: FW: FAQ/Fact Sheet
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> Hi Trevor -- we had a few more edits come in.. can you make the following updates...
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> -----Original Message-----
> From: Lasher, Geralyn (DHHS)
> Sent: Sunday, January 17, 2016 1:10 PM
> To: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>
> Cc: Wells, Eden (DHHS) <WellsE3@michigan.gov>
> Subject: Re: FAQ/Fact Sheet
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>> <LeadInWaterInfoSheet.pdf>
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To: Eisner, Jennifer (DHHS); JICManager; Lisabeth, Nicole (MSP)
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> I also worry that this thing is going to be edited to death.
>
>
>
> -----Original Message-----
> From: Eisner, Jennifer (DHHS)
> Sent: Sunday, January 17, 2016 1:14 PM

> To: Hawks, Trevor (MSP)
> Subject: FW: FAQ/Fact Sheet
>
> Hi Trevor -- we had a few more edits come in.. can you make the following updates...
>
>
> -----Original Message-----
> From: Lasher, Geralyn (DHHS)
> Sent: Sunday, January 17, 2016 1:10 PM
> To: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>
> Cc: Wells, Eden (DHHS) <WellsE3@michigan.gov>
> Subject: Re: FAQ/Fact Sheet
>
> I would switch out the "Other sources of lead in your home" with the "Healthy diet" section. This makes the healthy diet section bigger. I would also change the header of "Other sources of lead" to something like "Lead info" and open with something like "The Flint water response team is focused on the lead in water crisis. There are other sources of lead scientists encourage people in all parts of the country to be aware of".
>
> See how that looks and then we can chat again.
>
> Sent from my iPhone
>
>> On Jan 17, 2016, at 1:02 PM, Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov> wrote:
>>
>>
>>
>> Here's the fact sheet for your review.
>>
>> Jennifer Eisner
>> Public Information Officer
>> Michigan Department of Health and Human Services
>> Office: 517-241-2112 or EisnerJ@michigan.gov
>>
>>
>>
>> <LeadInWaterInfoSheet.pdf>
>
> <LeadInWaterInfoSheet.pdf>

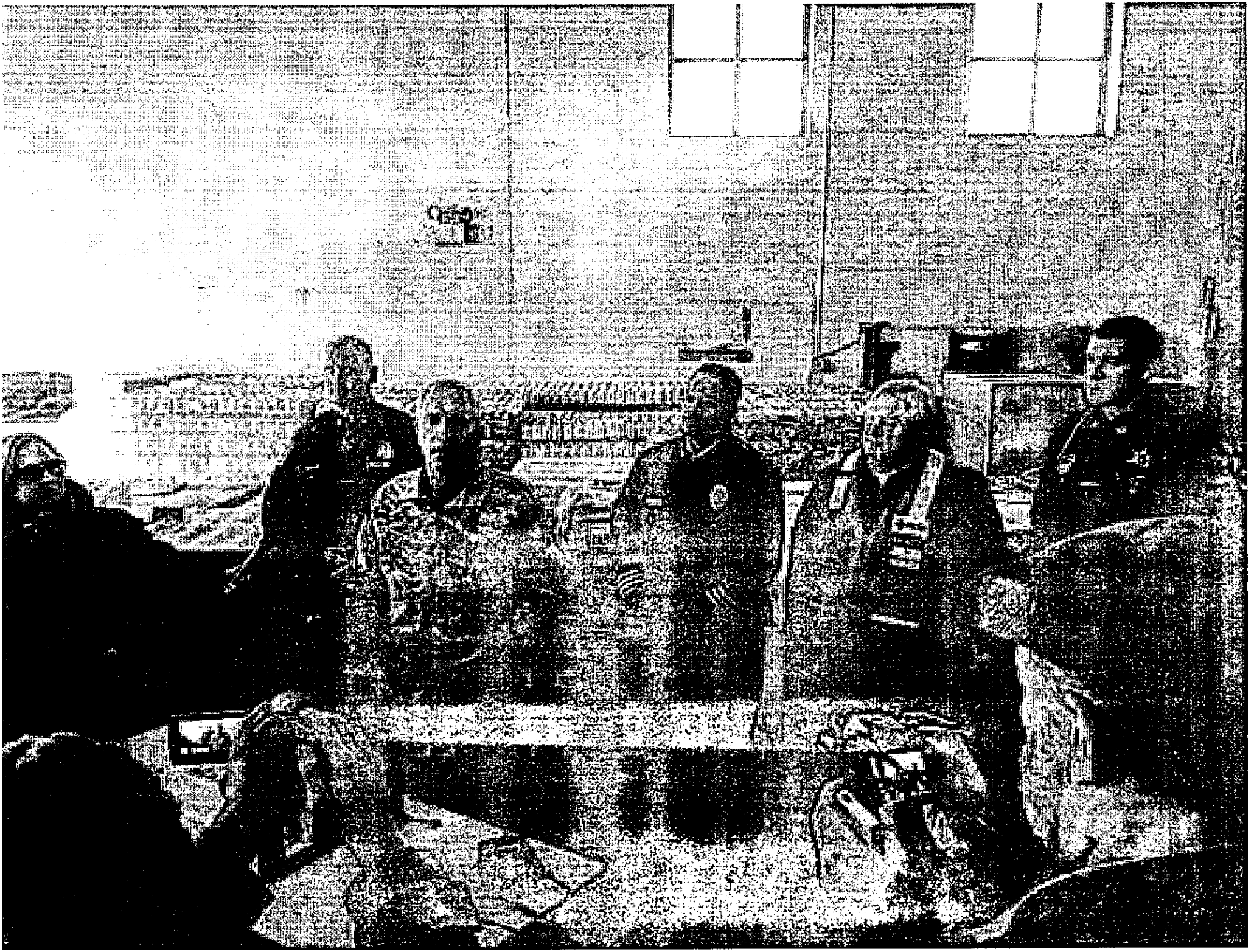
Lisabeth, Nicole (MSP)

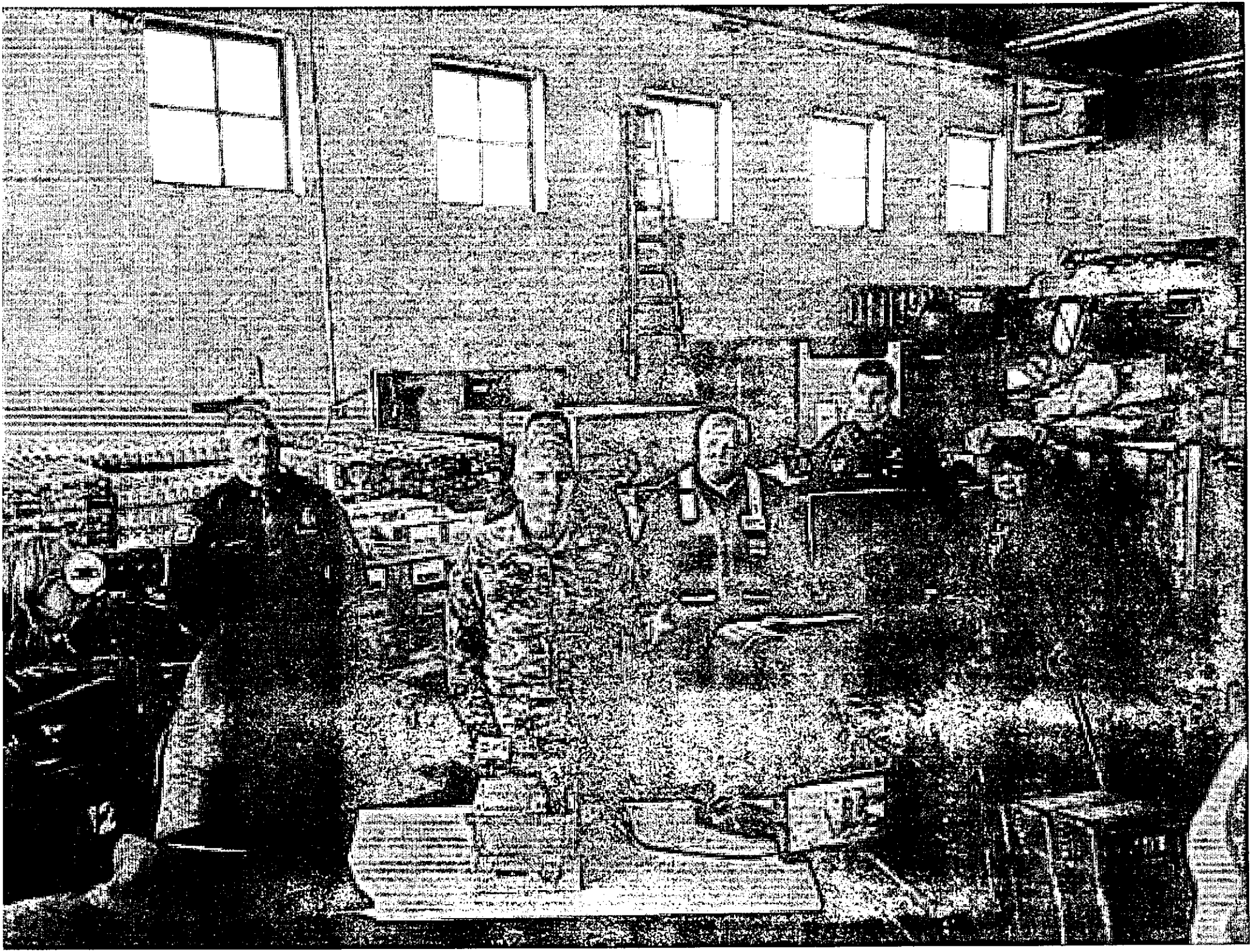
From: Brown, Melanie (DEQ)
Sent: Sunday, January 17, 2016 7:12 PM
To: Banner, Shanon (MSP); Lisabeth, Nicole (MSP); Moon, Jason (LARA); Holland, Meegan (GOV)
Subject: MSHDA staff
Attachments: IMG_0232.JPG; ATT00001.txt

MSHDA director and staff volunteering this weekend -

Lisabeth, Nicole (MSP)

From: Brown, Melanie (DEQ)
Sent: Sunday, January 17, 2016 7:12 PM
To: Lisabeth, Nicole (MSP); Brown, Tiffany (MSP)
Subject: The General
Attachments: FullSizeRender.jpg; ATT00001.txt; FullSizeRender.jpg; ATT00002.txt; FullSizeRender.jpg; ATT00003.txt; FullSizeRender.jpg; ATT00004.txt





Lisabeth, Nicole (MSP)

From: Holland, Meegan (GOV)
Sent: Sunday, January 17, 2016 7:13 PM
To: Brown, Melanie (DEQ); Banner, Shanon (MSP); Lisabeth, Nicole (MSP); Moon, Jason (LARA)
Subject: RE: MSHDA staff

There's an even better photo on Facebook that I just liked!

-----Original Message-----
From: Brown, Melanie (DEQ)
Sent: Sunday, January 17, 2016 7:12 PM
To: Banner, Shanon (MSP) <BannerS@michigan.gov>; Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>; Moon, Jason (LARA) <moonj@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>
Subject: MSHDA staff

MSHDA director and staff volunteering this weekend -

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Sunday, January 17, 2016 9:28 PM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: SEOC Update 1/17/16 - Flint Water - Limited Distribution
Attachments: image001.png; ATT00001.htm; SitRep12 Flint Water.pdf; ATT00002.htm

FYI

Sent from my iPhone

Begin forwarded message:

From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: January 17, 2016 at 9:24:13 PM EST
To: "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Smith, Paul (GOV)" <SmithP29@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Snyder, Rick (GOV)" <snyderr11@michigan.gov>, "Calley, Brian (GOV)" <calleyb11@michigan.gov>
Cc: "Banner, Shanon (MSP)" <BannerS@michigan.gov>, "Leix, Ron (MSP)" <LeixR@michigan.gov>, "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Holland, Meegan (GOV)" <HollandM2@michigan.gov>, "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov>, "Sachs, Tori (GOV)" <SachsT@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Scott, Allison (GOV)" <scotta12@michigan.gov>, "Redford, James (GOV)" <RedfordJ@michigan.gov>
Subject: SEOC Update 1/17/16 - Flint Water - Limited Distribution

Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs), PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
  - Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.

- We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 11 state/local teams and 10 ARC Flint Water Response Teams to the field today.
  - 4,963 homes visited today.
- DTMB is working with DSEMIC and NC3 to monitor social media for information on cyber-attack yesterday.

01/16/16

- Approximately 5:00PM, Michigan.gov began to experience slowness in web page load time. Approximately 10 minutes later the Michigan.gov site became inaccessible caused by of a denial of service attack.
- IBM team was able to implement a mitigation strategy to stop the attack that began at 5:00PM. At 6:24PM the michigan.gov websites were again available to the public.
- Approximately 7:30PM, a new attack was initiated on the michigan.gov environment. The attack focused on the DNS servers and resulted in michigan.gov becoming inaccessible. Additionally, due to the nature of the attack other IBM customers were affected as well. IBM was able to implement a new mitigation strategy that resulted in the excessive traffic being blocked. At 7:53PM the websites were restored to normal operation.
- Shortly after the michigan.gov websites were restored, the State of Michigan was notified by our internet service providers that a DDoS attempt was made against our SOM DTMB servers in the external DMZ. Once detected, this attack was blocked and Michigan Cyber Security saw no signs of any other types of attacks.

01/17/16

- Genesee County was unable to access MiCIMS due to the State increasing filters. Michigan Cyber Security made adjustments to filter settings and their access to MiCIMS was restored.
- DTMB reached out to the City of Flint CTO, Paul Knific, offering any support they need. Right now they feel they have bigger issues than trying to get some of the things back online.

We currently do not have any additional information on the attacks on the City of Flint (cityofflint.com) or Flint Township Police (flinttownshippolice.org) websites. We'll continue to pass information along as we receive it.

- Information reported to the JIC:
  - As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
   a. Number of cases of water 27,195
   b. Filters 50,432
   c. Filter cartridges 168,605
   d. Test kits 4,861

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 57,456 (additional 12,884 donated)
    b. Filters 108,520
    c. Filter cartridges 239,081
    d. Test kits 28,901

5. Teams going out tomorrow:
    a. 12 State (6-9 folks) type 3 teams---Goal tomorrow 300 homes per team
    b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.
- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the

legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
  - [redacted]
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.
- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed 11 state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- NG will have a total of 78 personnel in the PODs for distribution. Mission has not changed.
  - NG soldiers have been in the PODS. 38 more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.
- Information reported to the JIC:

  - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

2. Distributed:
   a. Number of cases of water 20,876
   b. Filters 47,935
   c. Filter cartridges 167,401
   d. Test kits 3,322

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:

b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

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Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed
- Continue with door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.
- When we get the declaration(s) ... I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - team.
  - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
  - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).

- I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 10 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.

    - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 18,576
    b. Filters 45,916
    c. Filter cartridges 165,382
    d. Test kits 3,217

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 44,688 (additional 12,884 donated)
    b. Filters 78,520
    c. Filter cartridges 163,081
    d. Test kits 18,761

5. Teams going out tomorrow:

    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.

- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.
- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

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Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.

- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.
- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.
- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.
- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but it appears we have filters in over half the residences):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	**3417**	**394**	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	**3741**			
Future sample test site	114	28	34	52

Chris

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Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and close lease on warehouse space

- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- Continue to work on Governor's Declaration of an Emergency

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
    - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
    - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
    - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
    - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA
- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- The door to door teams will continue at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- MNG will have a press event at the armory with incoming soldiers and MG Vadnais.

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.

- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP, get supplies, receive a mission location and deploy.
- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377
Resources			
Door Hangars	473	217	256
Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. The current plan includes:
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.
            - Local EOC support for other local requests (Faith based for distribution, etc.)
        - Three warehouse locations at this time
        - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.

- Water (cases) - 19,152 cases delivered

- Budget projection completed and will be submitted to SBO for review.

- Notes from Water Response Team Command (MSP)
  - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
  - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
  - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:
- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)

Attached Documents:
- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:
- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
  - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA) to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
  - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
  - Ordered:
    - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
      - 1/3 is going to GCCARD and the rest is going to the new warehouse
    - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
  - Today's numbers
    - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
      - 2,000 – Brita filter faucet mounts
    - Filter Replacements
      - 2,400 – Brita filter replacements (single pack)
      - 8,000 – Brita filter replacements (two pack)
  - Ordered on 1/12/16 to arrive Wednesday
    - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
      - 10,000 – PUR Vertical faucet mount
      - 2,500 – PUR Horizontal mount
    - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
      - 10,000 – PUR replacement filters (3 pack)
      - 10,000 – PUR replacement filters (single pack)
    - PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)
      - 10,700 – PUR combo packs

- To arrive Thursday
  - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 1,300 – Zero Water pitchers
  - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 11,000 – PUR vertical faucet mount
    - 1,500 – PUR Horizontal faucet mount
    - 5,000 – Brita faucet mount
    - 10,000 – Brita adv faucet mount white
    - 12,000 – Brita adv faucet mount chrome
  - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
    - 117,600 – PUR replacement filter

- Test Kits
  - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
  - 500 have been assembled and are ready for distribution
  - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
  - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
  - 100, 000 square feet of secure warehouse obtained.
  - Accepting commodities beginning Wednesday, January 13

- Logistics Support

- The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
  - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
  - We are working on version 2.0 so this can be used at the PODs
  - We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
  - Notes from the field commander:
    - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
  - In the end, there were 394 total home visits with the following breakdowns:
    - 217 Door Hangers
    - 152 Vacant Homes
    - 117 Water Distributions
    - 112 Filters
    - 3 Pitchers
    - 48 Water Test Kits
- 211
  - CALL VOLUME:
    - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:
- SitRep 6

Key items for tomorrow to note are:
- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
  - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.

- The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note

- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.
- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

- Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
- Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
- Working to establish a warehouse for local resource storage.
- Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
- Discussed potential long term water sources between local EOC and SEOC.
- Established planning cycle/meeting scheduled for 1/12/16.
- Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; however, there may exist opportunities to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

    - We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
    - A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***
    - An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to supplement State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***
        - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
    - Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is beyond the capability the state and affected local governments, and that the state requires supplementary federal emergency assistance to save and to protect property....***
    - Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
        - Debris Removal = ***self-explanatory and we do not have this***
        - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
        - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

Key items for tomorrow to note are:

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.

2. Ensure accurate tracking and accounting of all commodities.
3. Improve and maintain public information strategy.
4. Develop a long term public health and services plan.
5. Ensure adequate staffing to support operational requirements.
6. Identify possible assistance programs.
7. Develop an approved GIS strategy.
8. Maintain coordination between partner agencies and organizations.
9. Enhance situational awareness and common operating picture of all activities.
10. Develop a comprehensive Recovery Plan.

<u>Items to Note</u>

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.
- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.
    - The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (*looking at private sector partners to assist, especially with the warehouse management side*).
    - GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.
- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).
    - 12,386 filters
    - 1,985 replacement filters
    - 354 Pitchers
    - 2500 Lead Testing Kits
- Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
    - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
    - We have ordered an additional (expedited delivery with ETAs tomorrow)
        - 40,000 Brita Filters
        - 40,000 Brita Replacement Filters
        - 1000 Zero 8-Cup Pitchers
        - 1000 Zero 8-Cup Pitchers
        - 2000 PUR Replacement Filters
        - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- JIC Items
    - Requested PSA on the radio. Media has been approved and working with MAB.

- Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
- A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
  - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
  - JIC moving tomorrow to Flint.

Local Emergency Operations Center

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

Fire Station Inventory Levels:

Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up replacement filters from Home Depot and deliver.

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District, load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.
- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.

- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.

- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information ... I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.
- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.
- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - *Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.*
    - Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
    - *Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.*
    - GIS maps will provide guidance on deployment locations for these teams and other teams in the field.
- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

MSP/EMHSD GIS Section Updates

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.

- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

Local Emergency Operations Center

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff (2-positions) will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
    - Logistical activities to support church operations.
    - Logistical activities to support fire stations operations.
    - Coordinate Donations Management activities and draft donations management plan
    - Coordinate Volunteer Management activities
    - Identify local storage/staging facilities
    - Overall inventory tracking
    - Tracking of Points of Distribution (PODs)

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC.

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- *Today's SitRep which contains more information than below.*
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- *I received a document this evening from Genesee County which appears to be damage* assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. *This would target those areas we are* showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504

    - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
    - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.
- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.
- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:

Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final

draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**
- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - ***MDHHS – Elevated Blood Lead Levels***
        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.

5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
6. Develop a comprehensive GIS strategy.
7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
9. Provide technical assistance to the local Damage Assessment process.
10. Establish a Joint Information Center (JIC) and develop a public information strategy.
11. Monitor MI CIMS for resource requests and address as appropriate.
12. Establish and disseminate cost center information for the incident.

- Additional tasks include:
  - Determine what federal agencies are already involved and their status
  - Identify potential water supplies
  - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
  - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
  - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC
- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
  - Water Pipeline Locations
  - Filter Distribution Locations
  - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
  - Affected School Locations
  - Predictive analysis of blood lead levels for affected area
  - Updated Parcels
  - Demographics
  - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM

To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/17/2016 08:00:00
Operational Period End:	01/19/2016 08:00:00
Situation Report No.	12
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/17/2016 08:00:00
SEOC Hours of Operation End:	01/17/2016 20:00:00

Executive Summary

SEOC Update:
Accomplished today (January 17):

The SEOC continues to provide:
- Situational awareness.
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Resources.
- Public Information Control.

- Logistics
o Working on securing vehicles for additional teams for Monday, January 18th.
o Procured 2 additional vans from DOC to shuttle additional teams next week.
o Obtaining armed security for warehouse between the hours of 7:00 pm and 7:00 am.
o Requested expedited delivery of DEQ water testing kits.
o 20 ft. trailer has been procured from the DOC for use by ARC to store assembled water test kits.
o Verizon Booster and wireless will be provided to warehouse for internet connectivity and improved cellular reception.
o POD trash issue is being resolved and new removal system is in place.
o Submitted a request to MDOT for reflective vests for volunteers.
o Submitted request for hand warmers for volunteers.
- JIC
o Governor's office issued a news release announcing the presidential emergency declaration approval.
o Answered media calls about the state's resource distribution and activity efforts to date.
o Updated daily talking points to include the state's activity efforts to date and the Presidential emergency declaration.
o Coordinating with FEMA External Affairs to plan a Congressional call on January 17, in additional to a legislative call regarding the Presidential emergency declaration. Preparing talking points for the Congressional and legislative conference calls.
o Issued a news release with today's activity for the water resource sites and water distribution teams, as well as the increase in National Guard personnel.
- Recovery Branch
o Worked to ramp up team activities for tomorrow.
o Continued coordination with Red Cross on volunteers for Monday.
o Data is for 1/17/16 as of 5:00 pm.
Water Response Teams TOTALS 1/17/2016
Occupied Homes 8,871 2799
Vacant Homes 2,954 790
Unknown 4,523 1374
Total Homes Visited 16,348 4963
Resources Provided
Door Hangers 6,369 1982
Water - Cases 3,595 1510
Water - Gallons (Jugs) 98 1
Filters-Faucet 4,572 1558
Replacement Filter 2,938 897
Filter Pitchers 35 6
Water test kits 854 434
Total Resources Dispersed 18,461
Future sample test site 914 460

- Planning Section
o Lead morning and afternoon state agency conference call.
o Coordinated logistics of resource tracking.
o Developed projections based off of reporting and trend analysis.
o Published Sit Rep # 12.
o Participated in distribution process meetings.

- Operations Section
o Conducted SEOC Briefings.
o Worked with local EOC to fix trash issue at the stations.
o 89 American Red Cross volunteers are active across operation today.

o Warehouse Numbers:
□ Clio St Warehouse (approximate current stock)
• Replacement Cartridges.
o 62,048
• Filters (faucet)
o 57,097
• Water (cases)
o 31,920
• Testing Kits
o 11,053
o Point of Distribution (as of 7 pm)
□ Contacts
• 741
□ Water (cases)
• 4809
□ Filters (faucet)
• 938
□ Replacement Cartridges
• 306
□ Filters (pitcher)
• 10
□ Test kits
• 1105
• Finance Section.
o Working on verifying correct entry of EMHSD staff overtime in DCDS.
o Continuing to work on developing spend plan.

• GIS Branch Updates.
o Determined that 40% of the registered 29,994 active water subscribers have received filters.
o Developed a Flint Water Response Team progress map for public distribution.
o Produced a city of Flint infrastructure map for FEMA IMAT.
o Developed planning maps for the Recovery Branch.

DTMB:
• Clio Rd Warehouse security setup today.
• Warehouse technology issues addressed and resources will be supplied by tomorrow.
• DTMB, DSEMIC, and NC3 are monitoring social media for information on cyber-attack.

DHHS-CH
• Put together a timeline of activities for DHHS response.
• Letter sent to JIC on blood lead analyzers for pediatricians.
• Coordinated with DOE on potential grant for children impacted by traumatic events.

DEQ
• Working on the test kit production.
• Working to transition ordering to FEMA if needed.

Local EOC Update:
• Facilitated activation of Genesee County/Genesee Health System MOU for mental health services.
• Coordinated supplies for U of M flint Distribution.
• Coordinated trash pickup at Fire Station PODs with Liaison Officer.
• Developed Sit Rep #7.
• Coordinated hotshot deliveries of supplies to special locations.

Incident Response/Recovery Priorities/Objectives

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
3. Improve and maintain public information strategy.
4. Develop a long term public health and services plan.
5. Ensure adequate staffing to support operational requirements.
6. Identify possible assistance programs.
7. Develop an approved GIS strategy.
8. Maintain coordination between partner agencies and organizations.
9. Enhance situational awareness and common operating picture of all activities.
10. Develop a comprehensive Recovery Plan.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

Upcoming Forecast

Forecast Update for Flint, MI - January 17

* Very cold Sunday (January 17) through Thursday (January 21)
* Breezy Sunday (January 17) through Tuesday (January 19) - hazardous wind chills
* On and off Snow showers Sunday (January 17). No significant accumulation.

Temperatures will remain below 20 degrees Sunday (January 17) though at least Tuesday night (January 19) and possibly longer. Low temperatures Sunday night and Monday night will be in the single digits above to near zero degrees. Above freezing temperatures may not occur again until early next week.

Wind chill values Sunday (January 17) through at least Tuesday night (January 19) will be near or below zero. Time to frostbite from exposed will be 15 to 30 minutes Sunday through at least Tuesday night.

A few snow showers possible on and off Sunday (January 17). No significant snow accumulation expected in the Flint area this week.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSIa

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 Number: 1-800-808-0006

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: *Debris* Removal $	Category B: *Emer Prot* Measure $	Category C: *Roads /* Bridges $	Category D: *Water* Control $	Category E: *Public Bldgs* $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - *Affected*	Businesses - *Destroyed*	Businesses - Major Damage	Businesses - Minor Damage	Businesses - *Affected*	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was operational in Flint from 8 a.m. to 10 p.m. on Jan. 17.

State agencies at the JIC included the Governor's Office, Departments of Health and Human Services, Agriculture and Rural Development, and Technology and Management and Budget, Natural Resources, Environmental Quality, Licensing and Regulatory Affairs, Military and Veterans Affairs and Michigan State Police. The Genesee County Sheriff's Office was also present.

Tasks accomplished:

- Helped arrange a legislative and congressional conference call to give updates on state and FEMA efforts.
- Provided talking points for Captain Kelenske for the legislative and congressional phone call.
- Provided talking points for attendees on congressional/legislative call so they can share updates with their constituents.
- Arranged a media availability at the Clio Road warehouse for media to have the opportunity to tour the warehouse to get photos and video of where water resources for Flint residents are being housed and distributed. Event attended by F/Lt. Dave Kaiser,

ARC Warehouse Manager, and Capt. Tafoya of GCSD.
- Provided printed instructions to 211 for installing a water filter.
- Created a section called Federal Declaration Requests on the Flint Water Website to house the emergency declaration and associated letters.
- Updated the Lead in the Body FAQ/fact sheet on the website to focus more on lead in the water.
- Planning to send out nightly news release with updated information about today's activity.
- At the request of 211, arranged for a PIO from the Community Service Commission to be in the JIC this week.

Agriculture and Rural Development (MDARD)

Saturday Jan 16th update:

Primary activities today: coordination with FDA Detroit District on their and MDARD's upcoming activities related to food, inquiry into a possible animal facility requiring follow up; draft of a document outlining federal resources that may be available to assist with broader recovery issues.

American Red Cross (ARC)

Today was the last day the American Red Cross supplied staffing at the fire station POD's supporting the National Guard mission.
The assembly of water test kits at ARC headquarters was postponed until product is available.
We deployed and supported 10 teams (30 volunteers) for neighborhood canvassing (Water Response). 10-14 teams are planned for tomorrow.
We supplied lunches for all 20 of the Water Response Teams today, and will feed all of the teams again tomorrow.
The volunteer reception center (VRC) was in full operation today. 42 volunteers were processed today. The VRC will be in operation on Monday.
We continued warehouse and inventory management efforts.
A total of 89 Red Cross volunteers were active in today's efforts.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC activities. Also monitoring media and coverage of rallies and events.

Community Health (MDCH)

To support and provide information to the CHECC Disaster Behavioral Health planning lead, MDE was inquired regarding potential application for the "Project School Emergency Response to Violence," (SERV) grant. Follow-up was received from Louis Burgess who indicated that information will be gathered by MDE regarding this grant to determine the applicability and feasibility.

Provided MDHHS PIOs with drafted letter developed by the CHECC and reviewed/approved by Dr. Wells, Dr. Johnson, and April Swartout, for approval from the JIC to be signed and sent to GCHD. This letter serves to encourage Genesee County pediatricians to accept and use portable lead analyzers being offered to them by the GCHD. This letter was approved by the JIC this afternoon, pending minor edits. The final version of the letter will be provided to the SEOC State Director for approval before sending to GCHD.

Provided a MDHHS timeline of Flint Water-related activities, to date, to the Operations Section Chief as requested. This timeline included both health and human services statistics such as water and filter orders, number of blood lead tests conducted, and data on the number of elevated blood lead levels reported in children (categorized by age) in Flint.

Coordinated with the JIC and CHECC on nutritional information available online, as well as the possibility of activating the Disaster Distress 24/7 helpline through SAMHSA. These two projects are a work-in-progress to be further facilitated by the subject matter experts working on them later in the week.

Corrections (MDOC)

Brent Travelbee and Todd Bechler on duty SEOC today. All previous requests for vehicles, personnel and warehouse equipment have been filled and continue to be on site to assist with water distribution; additional request's today for re-allocation of hand jacks, a replacement electric jack, an additional box truck and 2 more transportation vans have either been filled or are in progress set for Monday morning delivery. MDOC Director Heidi Washington is providing full support to our assistance efforts. We will continue to staff the SEOC as a full-time partner as we have assets deployed into the field. All resources are documented on the appropriate forms and shared with the SEOC staff. Additional resource requests are coming in frequently and we are working hard to locate the requested resources while still maintaining minimal local facility operational requirements from the providing facility.

The MDOC is dedicating a considerable amount of resources and staff to this effort. We are working closely with the Logistics Chief to locate needed resources and fulfill resource requests in a timely manner. All MDOC resources will be reporting tomorrow Sunday January 17, 2016 as requested.

MDOC RESOURCES PENDING DEPLOYMENT: Monday, January 18, 2016

Vehicles with Drivers

(2) – 18' Box Trucks
(4) – 20' Box Trucks
(2) - 24' Box Trucks
(1) - 30' Box Truck (Lift gate broken but truck still on site, DTMB repairing)

Box Trucks have power lift gates

(1) – F250 Pick Up Quad Cab with Cap
(1) – 5 Passenger Handicapped Capable Van

(1) – 15 Passenger Van with 10' Enclosed Trailer
(1) – Pick-up Truck

(6) – 10/15 Passenger Vans

(1) – 20 Person Shuttle Bus (Sent to Red Cross Volunteer Sight)

(1) - 53' Refrigerated Semi-Trailer

(3) - Electric Pallet Jacks (This includes one that is broken and will be returning to Ionia tomorrow night for repair)

(7) – Hand Pallet Jacks

(5) 6-10 Passenger Vans

All vehicles drivers have 800 MHz Radio Operability (G EVENT 9)

Staffing

There will be 24 staff members on site 23 drivers and an assistant for the Red Cross Transportation Van (w/trailer).

Education (MDE)

MDE is monitoring the situation and coordinating as necessary with other state agencies.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:
• Identified MDEQ employee George Krisztian to attend the Tuesday Flint health briefing.
• Coordinated one 24' trailer or truck to be delivered to the ARC HQ in Flint. This will be used to store water test kits once assembled by the ARC. Duration of request was 7 days.
• Participated in SEOC activities to include the daily state agency briefing and the Distribution Process meetings.
• Provided support for possible transition of test-kit provision to FEMA
• Initiated expedited delivery of sample bottles already on order.

Human Services (MDHS)

Updated MDHHS Budget / Finance of FEMA intention of assuming water filter device procurement.

Provided FEMA OPs and Logs requested information on current water filtration device orders and inventories.

Met with FEMA VAL. Exchanged contact information, provided some SA and supplied contact information between FEMA VAL and MCSC in Flint.

Staying in communication with 211, addressing human service concerns and delivery of resources to the elderly and disabled.

Review and provide regular 211 updates to SEOC Ops.

CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

Two bubblers that were supposed to be overnighted and delivered to a Flint area Home Depot did not arrive. Without these bubblers the Freeman School faucet replacement pilot cannot be completed; Install could possibly be finished on 1/18 if parts arrive.

LARA is currently working with DEQ to create a schedule for LARA's Plumbing Division to help DEQ with testing of additional schools in the Flint area.

LARA Bureau of Community and Health Services is in contact with licensed facilities to ensure they are receiving appropriate assistance if needed. LARA is continuing to receive information on the facilities to determine the appropriate actions needed.

Military and Veterans Affairs (DMVA)

Last 24 hours:
Distributed water, water filters, water test kits and collected water samples for analysis at five points of distribution. Coordinated efforts with Genesee County EOC and Joint Information Center. In-Processed 33 Soldiers to augment distribution operations at 1800 S. outer Dirve, Saginaw, MI on 17 January 2016 at 1300. Conducted lodging and operations orientation following in-processing. Total of 67 Soldiers on State Active Duty on 17 January 2016. All PODS received pallet jacks for off-loading water pallets. Coordination between FEMA and Selfridge Air Base (SANGB) taking place. Exact terms of agreement of FEMA using SANGB for staging operations have not been identified at this time.

Total of 67 Soldiers on State Active Duty:
1 at Genesee County EOC
1 at Joint Information Center
32 at PODS
33 Soldiers In-processing

Next 48 hours:
Distribute water, water filters, and water test kits and collect water samples for analysis at five points of distribution. Coordinate efforts with Genesee County EOC and Joint Information Center. Relieve Red Cross at PODS, assuming their role of distributing filters. Total of 67 Soldiers on State Active Duty on 17 January 2016. Additional Soldiers will conduct first full day of distribution operation on 18 January 2016. Continue coordination between FEMA and SANGB, a 0800 meeting will be conducted on 18JAN16.

Micheal Shook
CPT, IN, USA
989-763-4256

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids will participate in SEOC morning briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac. Participation in afternoon SEOC briefings in planned only if significant changes in the forecast occur.

NWS support beyond this weekend being coordinated between NWS Grand Rapids and NWS Detroit. Hand off to NWS Detroit for morning conference call weather forecast likely before the end of January.

Natural Resources (MDNR)

MDNR LED continues to support its QOL partners with staffing at the SEOC.

Department POC's include:
Chief Gary Hagler, F/Lt. Jennifer Wolf, F/Lt. Steven B. Burton.

Services to the Aging (OSA)

Valley Area Agency on Aging - Region 5 (VAAA), in partnership with other local community agencies such as the Genesee County Health Department and MDHHS, has helped organize local meetings and distribute water and water filters. VAAA is an access point for receiving calls from homebound seniors who are not able to pick up water filters or need assistance installing water filters. VAAA reports they continue to receive calls from seniors who need assistance.

Contact info for VAAA Executive Director is:

Kathryn C. Boles
President, CEO
Valley Area Agency on Aging
225 E. Fifth Street, Suite 200
Flint, MI 48502
(810) 239-7671
(810) 239-8869 fax

VAAA has distributed 2 bottles of water with each home delivered meal to each HDM client within the City of Flint. Water. VAAA also provided water to homebound seniors who needed water to prepare food as they had limited support to pick up bottled water. Congregate meal participants also have access to water and filters as needed. Once water filters were installed, VAAA discontinued including water with home delivered meals.

VAAA also contacted the Grandparents Raising Grandchildren program to ensure that they were aware of educational efforts and confirm the program had received water filters to distribute to program participants.

On 1/11/16 AASA forwarded to MSP/GIS over 1,400+ NAPIS addresses of Flint seniors who received in-home services in FY15. The NAPIS file was sent encrypted and did not include client names. The NAPIS file included 1,029 HDM, 138 CM, and 30 CCS clients.

VAAA continues to operate as a call center and referral point for area seniors concerned about their drinking water. They've noticed this week that seniors who've had filters installed are beginning to request bottled water again.

AASA's State LTC Ombudsman has checked in with the local Ombudsman in Flint. Local Ombudsman reports Flint area nursing homes have been taking precautions using bottled water for cooking and drinking. The local Ombudsman remains concern about Nursing Homes' long term need to replace old facility plumbing that may be leaching lead.

State Police (MSP)

Teams have been distributing water all day. 4968 homes have been visited today.

2:59 p.m. - Ryan McKee from DTMB requested assistance from MSP MIOC/DSEMIIC to monitor social media for information

relating to the cyber attacks that occurred on the following websites yesterday and today; CityofFlint.com, Michigan.gov and Flinttownshippolice.org.

3:09 p.m.- Analyst Peter Hoffman of the DSEMIIC was notified. DTMB will be forwarding their information to the DSEMIIC, MIOC and MC3 for coordination.

3:50 p.m. - DTMB forwarded their information regarding the cyber attack to the DSEMIIC, MIOC and MC3 for social media monitoring.

5:59 p.m. Lt. Young advised today, Sunday, Jan 17, 2016 - 173 total team members made up 11 teams which consisted of 104 volunteers to include 22 DHHS, 69 Non volunteers (Paid Personnel) which included 11 drivers from Dean Trailways, 12 MDOC personnel, 17 MSP and 29 GCSO.

We have 114 state of Michigan employee volunteers scheduled for Sunday Jan 17th and 139 scheduled for Monday Jan 18th.

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

Provided management briefing and information on emergency declaration.

DTMB Mail Services has seven drivers with trucks assisting in transporting supplies to support point of distribution centers and Flint Water Resource Teams. Drivers have agreed to work through the end of day Tuesday, January 19.

DTMB assisted in procuring 72 truck loads of water, 8 trucks per day until Wednesday, January 20.
60 tablets have been provided to the Flint Water Response Teams to record supplies being delivered in the field.
Provided 450 credentialing badges for volunteers and 4 temporary fuel cards for the MSP officers driving rented U-Haul trucks.
Warehouse space was procured for 80,000 square feet to hold water, water filters, cartridges and water test kits.
Procured 500 rain ponchos for volunteers and a 40 yard dumpster for use at the warehouse.
Providing printing needs for agencies for volunteers to distribute to city residents.
Provided armed security for Clio Rd. warehouse.
Providing server monitoring of MiCIMS servers.
Provided wireless router and printer for FEMA staff at SEOC.
Verizon Wireless booster will be onsite at Clio Rd. warehouse on Monday, January 18 by 2:00pm.
Procuring hand warmers for Water Response Teams.

Transportation (MDOT)

MDOT continues to maintain situational awareness and respond to issues regarding equipment and road conditions.

Incident Related Images

Flint Water Response Team Activity

Lisabeth, Nicole (MSP)

From: Operations, Lts, Lieutenants (MSP)
Sent: Monday, January 18, 2016 3:10 PM
Subject: "Arrest Snyder" Protest - Ann Arbor, MI - January 18, 2016

Good morning,

The DSEMIIC continues to search social media for any threats related to Governor Rick Snyder in Southeast Michigan. The DSEMIIC has observed that there is an "Arrest Snyder" gathering planned for Monday, January 18, 2016. The event is motivated by the ongoing controversy related to the Flint Water Crisis.

The "Arrest Snyder" gathering will span across both the City of Ann Arbor and the University of Michigan Campus. The event is scheduled to begin at approximately 4:00 p.m., with participants meeting in front of the Rackham Building at 915 East Washington Street. At 4:30 p.m. participants plan to march West along Washington Street to Main Street, turn left and go approximately half a block to the Governor's residence at 211 S. Main Street in Ann Arbor by approximately 5:00 p.m. Once there, participants are being asked to form a moving circle in front of the residence. At approximately 5:45 p.m. the event page offers the option to march back to campus via Liberty Street.

As of Monday, January 18 at 2:00 p.m., there are 224 subjects confirmed as attending on the event's Facebook page.

The DSEMIIC assesses the media exposure, potential for attendance by groups with divergent views, potential to attract groups who seek to engage in destruction of property, assault, or other types of crimes may potentially result in incidents at, or associated with this event.

The DSEMIIC will continue to monitor events for public safety and situational awareness recognizing that all citizens have a constitutionally protected right to peacefully assemble and protest. The DSEMIIC will send updates with any new information.

Detroit & Southeast Michigan Information & Intelligence Center (DSEMIIC)
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Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Monday, January 18, 2016 4:22 PM
To: Ackley, Martin (MDE); Adler, Jessi (DHHS); Bach, Katie (MSHDA); Baker, Tanya (LARA); Banner, Shanon (MSP); Bean, Mary Kay (MGCB); Bitely, Andrea (AG); Brown, Melanie (DEQ); Brown, Tiffany (MSP); Cavanaugh, Cheryl (MDARD); Cranson, Jeff (MDOT); DeVol, Lauren (DMVA); Eisner, Jennifer (DHHS); Ellis, Jan (MDE); Emily Palsrok; Gautz, Chris (MDOC); Golder, Edward (DNR); Hall, Jocelyn (MDOT); Hawthorne, Megan (AG); Humes, William R (DMVA); Kathleen Achtenberg (MEDC)'; Levengood, Vicki (MDCR); McCumber, Karen (MEDC); Miller, Andrea (DIFS); Miller, Jacki (MDCR); Minicuci, Angela (DHHS); Moon, Jason (LARA); Sampson, Jeremy (TREASURY); Sellek, Stacy (Courts); Simpson, Angela (DMVA); Sprague, Megan (MDARD); Stanton, Terry A. (Treasury); Thelen, Suzanne (DMVA); Throne, Heather (MDARD); Tommasulo, Karen (DEQ); Weiss, Kurt (DTMB); Wheaton, Bob (DHHS); Wieber, Kerry (DNR); Woodhams, Fred (MDOS); Holton, Jennifer (MDARD); Wiebesick, Chad (MEDC)
Cc: Leix, Ron (MSP); Brown, Tiffany (MSP); Lisabeth, Nicole (MSP); Medrano, Sierra (MSP); Holland, Meegan (GOV); Murray, David (GOV); Biehl, Laura (GOV); Heaton, Anna (GOV); Kennedy, Jordan (GOV); Paciorek, Josh (GOV); Brown, Jessica (GOV)
Subject: New Request for Staffing - Flint Joint Information Center
Attachments: Staffing - 2016.01.18.docx

Importance: High

Fellow PIOs:

The Joint Information Center (JIC) continues to play a critical role in centralizing communications and streamlining public education efforts as the state continues working to improve the water situation in Flint. Thank you to all the departments who have and are providing staff. At this time, we are seeking staff for Jan. 23-Jan. 31.

To maximize efficiency, preference is for PIOs to staff the JIC for a two- or three-day time period (at least initially) to limit re-training and transition between incoming/outgoing staff.

I ask that you please review the attached staffing schedule and respond with your availability by Wednesday at noon. Most immediately, we are in need of some additional staff for this Saturday and Sunday.

The JIC is operating from a state office building in Flint at 125 E. Union Street, 48502. At a minimum, JIC working hours are from 8 a.m. to 6 p.m., although several PIOs are routinely working until 9 p.m. to complete all necessary tasks (more staff will help alleviate some of this). *Lunch is provided, and overnight accommodations can also be arranged at no-cost to the PIO.*

Please let me know if you or one of your staff can help us out.

Thank you much,

Ron

Ron Leix
Public Information Officer (PIO)
Emergency Management
and Homeland Security Division
Michigan State Police
4000 Collins Road

Lansing, MI 48910
TX: (517) 336-6464

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Flint JIC Staffing – Jan. 18-31

Position	Monday Jan. 18	Tuesday Jan. 19	Wednesday Jan. 20	Thursday Jan. 21	Friday Jan. 22	Saturday Jan. 23	Sunday Jan. 24
Gov Office	Meegan Holland	Laura Biehl (On-Call)	Jess Brown	Laura Biehl	Laura Biehl		
JIC Leader	Shanon Banner	Shanon Banner	Shanon Banner	Shanon Banner	MSP-TBD	MSP-TBD	MSP-TBD
MDHHS	Jennifer Eisner	Jennifer Eisner (On-Call)	Jennifer Eisner	Bob Wheaton	Angela Minicuci	Angela Minicuci	Angela Minicuci
MDHHS/ MCSC	Janet Hunter	Jessi Adler					
DEQ	Mel Brown	Mel Brown (On-Call)	Mel Brown	Mel Brown	Mel Brown	Mel Brown	
National Guard	Sgt. Vega	Sgt. Vega	Sgt. Vega	Sgt. Vega	Sgt. Vega	Sgt. Vega	Sgt. Vega
Media Event Planning (if needed)	Tiffany Brown	Karen McCumber	Tanya Baker	Jason Moon	Jason Moon		
Web EOC & JIC Planning	Ron Leix	Ron Leix	Ron Leix	Ron Leix	Ron Leix	Ron Leix	
Social Media	Sierra Medrano	Sierra Medrano (On-Call)	Cheri Cavanaugh	Chad Wiebesick	Cheri Cavanaugh	Sierra Medrano	Sierra Medrano
Hotline	Suzanne Thelen	Jeanne Hausler	Megan Sprague	Megan Sprague	Jason Moon		
Writer 1	Tiffany Brown	Tanya Baker	Terry Stanton	Terry Stanton	Mary Kay Bean		
Writer 2	Jocelyn Hall	Karen McCumber	Jocelyn Hall	Mary Kay Bean	Lauren DeVol	Lauren DeVol	Lauren DeVol
Media Monitoring	Sierra Medrano		Cheri Cavanaugh	Jeanne Hausler	Cheri Cavanaugh		
Web content development			Andrea Miller	Kathy Achtenberg	Jason Moon		
Field PIO	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)
SEOC PIO Liaison							

Position	Monday Jan. 25	Tuesday Jan. 26	Wednesday Jan. 27	Thursday Jan. 28	Friday Jan. 29	Saturday Jan. 30	Sunday Jan. 31
Gov Office							
JIC Leader	MSP-TBD	MSP-TBD	MSP-TBD	MSP-TBD	MSP-TBD	MSP-TBD	MSP-TBD
MDHHS							
MDHHS/ MCSC							
DEQ							
National Guard							
Media Event Planning (if needed)							
Web EOC & JIC Planning	Ron Leix	Ron Leix	Ron Leix	Ron Leix			
Social Media							
Hotline							
Writer 1							
Writer 2							
Media Monitoring							
Web content development							
Field PIO	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)	Kaiser (On-Call)
SEOC PIO Liaison							

Updated: 1/18/2016 – 4 p.m.

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Monday, January 18, 2016 10:08 PM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: SEOC Update 1/17/16 - Flint Water - Limited Distribution
Attachments: 20160118_Response_Team_Activities_Side_by_Side.pdf; ATT00001.htm; SitRep13 Flint Water.pdf; ATT00002.htm

FYI

Sent from my iPhone

Begin forwarded message:

From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
To: "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Smith, Paul (GOV)" <SmithP29@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Snyder, Rick (GOV)" <snyderr11@michigan.gov>, "Calley, Brian (GOV)" <calleyb11@michigan.gov>
Cc: "Banner, Shanon (MSP)" <BannerS@michigan.gov>, "Leix, Ron (MSP)" <LeixR@michigan.gov>, "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Holland, Meegan (GOV)" <HollandM2@michigan.gov>, "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov>, "Sachs, Tori (GOV)" <SachsT@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Scott, Allison (GOV)" <scotta12@michigan.gov>, "Redford, James (GOV)" <RedfordJ@michigan.gov>
***Subject:* RE: SEOC Update 1/17/16 - Flint Water - Limited Distribution**

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Update 1/18/16 – 14th Day (13th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs) and PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.
- Complete appeal for Presidential Major Disaster Declaration denial.

Attached Documents:

- SitRep 13
- Side by side comparison of homes with filters January 13th compared to January 18th. This should be hitting the media tonight. This took longer to create than I wanted but is the image I have wanted to show progress of getting filters in to the field.

Status on Governor's request letter to the President:

- Appeal in process.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
    - NG will be bringing in personnel to prep for surge.

Items to Note

- Beginning tomorrow the operational periods will be 7 days long.
- The CDC/ATSDR (Agency for Toxic Substances Disease Registry) has deployed a team to Michigan.
- An Arabic version of the palm card was reviewed and approved. This was developed via Arab American and Chaldean Council.
- Deployed 12 state/local teams and 10 ARC Flint Water Response Teams to the field today.
- DTMB is working to secure space in Flint for FEMA staff.
- Cost analysis to investigate if it would be more cost effective for FEMA to purchase water vs the SOM.
- ARC news release concerning the Volunteer Reception Center (VRC) sent out today.
- Media availability conducted today at 3pm at the VRC.
- Since 1/14/16 Michigan 2-1-1 has received three direct reports of bottled water testing positive for lead. DHHS SEOC Desk and DEQ SEOC Desk was able to contact two of the callers. The Zero Water filter (pitcher) has a handheld test device so people know when to change the filter. This TDS Meter measures dissolved solids (it is not a lead test). This was explained and we are going to work on messaging to ensure this does not cause issues. Dissolved solids are in all water. The water from the callers is going to be tested and a case of water from one of the companies will also be sent to DEQ for testing. Brands are Spartan Spring Water and Canned Water for Kids. The filter company is also going to work on messaging and work with us on this matter.
- Information reported to the JIC:
    - As of 1/17/16 as of 5 pm (start date was Tuesday, 1/12/16)

        1. 21,393 homes visited by the FWRTs to date.

        2. Distributed:
            a. Number of cases of water 37,313
            b. Filters 53,713
            c. Filter cartridges 169,520
            d. Test kits 7,379

        3. Total number of customers on the Flint water system
            a. 29,944 paying customers
            b. 45,000 hookups (This is our high end target #)
            c. 39,000 includes apartment complexes (The is the low end target #)

        4. Resources purchased:
            a. Cases of water 82,992 (additional 16,056 donated)
            b. Filters 115,700
            c. Filter cartridges 243,200
            d. Test kits 61,161

        5. Teams going out tomorrow:
            b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Continuing to work with faith based organization to distribute resources.
- Working with colleges to obtain volunteers for canvassing.

Chris

Update 1/17/16 – 13th Day (12th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs), PODs
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work to bring FEMA IMAT personnel up to date following the Presidential Emergency declaration.

Attached Documents:

- SitRep 12

Status on Governor's request letter to the President:

- Emergency declaration received.
  - Limited to direct assistance so we will need to ask for the Individual Housing Program but that is something I will work on with FEMA.
- Major disaster declaration denied. The appeal is being developed with a draft to Paul Smith by later afternoon 1/18/16.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
  - We will have 12 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.

Items to Note

- Deployed 11 state/local teams and 10 ARC Flint Water Response Teams to the field today.
  - 4,963 homes visited today.
- DTMB is working with DSEMIC and NC3 to monitor social media for information on cyber-attack yesterday.

  01/16/16
  - Approximately 5:00PM, Michigan.gov began to experience slowness in web page load time. Approximately 10 minutes later the Michigan.gov site became inaccessible caused by of a denial of service attack.
  - IBM team was able to implement a mitigation strategy to stop the attack that began at 5:00PM. At 6:24PM the michigan.gov websites were again available to the public.
  - Approximately 7:30PM, a new attack was initiated on the michigan.gov environment. The attack focused on the DNS servers and resulted in michigan.gov becoming inaccessible. Additionally, due to the nature of the attack other IBM customers were affected as well. IBM was able to implement a new mitigation strategy that resulted in the excessive traffic being blocked. At 7:53PM the websites were restored to normal operation.

- Shortly after the michigan.gov websites were restored, the State of Michigan was notified by our internet service providers that a DDoS attempt was made against our SOM DTMB servers in the external DMZ. Once detected, this attack was blocked and Michigan Cyber Security saw no signs of any other types of attacks.

01/17/16

- Genesee County was unable to access MiCIMS due to the State increasing filters. Michigan Cyber Security made adjustments to filter settings and their access to MiCIMS was restored.
- DTMB reached out to the City of Flint CTO, Paul Knific, offering any support they need. Right now they feel they have bigger issues than trying to get some of the things back online.

We currently do not have any additional information on the attacks on the City of Flint (cityofflint.com) or Flint Township Police (flinttownshippolice.org) websites. We'll continue to pass information along as we receive it.

- Information reported to the JIC:

  - As of 1/17/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 16,353 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received from prior to the SEOC activation (trying to validate the data) plus the PODs and door to door operations since activation.

2. Distributed:
   a. Number of cases of water 27,195
   b. Filters 50,432
   c. Filter cartridges 168,605
   d. Test kits 4,861

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:

   b. 12 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Facilitated activation of the Genesee County/Genesee Health System MOU for mental health services.
- Coordinated supplies for distribution to students at the U of M Flint campus.
- Still concerned about people going to every fire station and collecting water/filters.
- Coordinated trash pickup at Fire Station PODs with the City Liaison officer.

- Coordinated hotshot deliveries of supplies to home bound population.

Chris

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Update 1/16/16 – 12th Day (11th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Continue to implement the logistics plan and adjust as needed
- Continue door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to prepare for engagement following the Presidential Emergency declaration

Attached Documents:

- SitRep 11

Status on Governor's request letter to the President:

- Emergency declaration received. Federal Coordinating Officer (FCO) is David Samaneigo (Sam) who has been my LNO from FEMA. We began discussions on a transition to FEMA support last night. His team is headed to MI at this time and we will have our first coordination meeting on Sunday.
- The request for a Declaration of a Major Disaster was denied. FEMA advised this event does not fit the legal definition of a major disaster (natural incident or fire, flood, or explosion). This information has been provided since prior to the event to elected officials in Flint and the legislature. We are reviewing the chances for an appeal and I have already discussed this with the FCO.

Key items for tomorrow to note:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 10 state agency, type 3 teams (6-9 personnel), with a goal of 300 homes per team.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
- I will be back on duty Sunday.
- We have been working with some of the churches. Contact was made with 14 churches for Sunday distributions. Interaction with the pastors has been very positive.
- A logistics briefing will be provided to see how many more teams we can put in the field.

Items to Note

- LT Gov visited the local EOC today; discussed local EOC operations.
- Deployed 11 state teams and 10 ARC Flint Water Response Teams to the field today.
- DEQ sampling kits are now being received at the PODs.
- DEQ sampled two Head Start facilities and worked with GIS to obtain future sample sites.
- The Freeman School pilot was delayed due to some parts not arriving as scheduled. Testing was to be done Sunday but may not occur until Monday.
- NG will have a total of 78 personnel in the PODs for distribution. Mission has not changed.

- NG soldiers have been in the PODS. 38 more processing in tomorrow with start date of 1/18 in the PODS. The TAG and I will be discussing future use of NG personnel door to door next week.

- Information reported to the JIC:

  - As of 1/16/16 7pm (start date was Tuesday, 1/12/16)

1. 11,324 homes visited by the FWRTs to date. We believe we have ~24,000 homes with filters; still trying to validate. This is from the data we received prior to the SEOC activation plus the PODs and door to door operations since activation. 3,850 homes were visited today (4,000 was the goal).

2. Distributed:
   a. Number of cases of water 20,876
   b. Filters 47,935
   c. Filter cartridges 167,401
   d. Test kits 3,322

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 57,456 (additional 12,884 donated)
   b. Filters 108,520
   c. Filter cartridges 239,081
   d. Test kits 28,901

5. Teams going out tomorrow:
   a. 10 State (6-9 folks) type 3 teams---Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Operations:

- Provided direction to Operations and Logistics Section to initiate water sample collection at PODs.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional churches were supplied with water, filters and test kits.
- Still concerned about people going to every fire station and collecting water/filters.
- Station #6 (POD) has associated safety concerns due to proximity of street and lack of suitable parking. We are working to resolve.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, January 15, 2016 9:22 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV)
Subject: SEOC Update 1/15/16 - Flint Water - Limited Distribution

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Update 1/15/16 – 11th Day (10th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Pilot the logistics plan and adjust as needed
- Continue with door to door/Flint Water Response Teams (FWRTs)
- Prepare for possible surge in FWRTs utilizing NG personnel
- Work with FEMA personnel to ensure we get a Presidential Declaration of a Major Disaster and Emergency

Attached Documents:

- SitRep 10

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. Numerous calls and meetings took place between me and FEMA today.
- When we get the declaration(s) … I will set up a legislative/congressional call to explain and provide bullet points as to what programs we will received. The Federal Coordinating Officer assigned will also be with me to answer questions. This has helped in the past.

Key items for tomorrow to note are:

- The logistics plan will be fully executed tomorrow with all teams.
    - We will have 10 ARC, type 5 teams (2-4 personnel), with a goal of 100 homes per team.
    - A pilot team was used to test our logistics plan today and with 60% strength they had 160% output (830 homes).
- I will be off tomorrow but available by cell. Tony Katarsky will be SEOC State Director. I will be back in on Sunday.

Items to Note

- LT Gov visited the local EOC and SEOC today. He was able to hear our final briefing for the day.
- Held a short session managing stress with SEOC staff. Two handouts were put in MICIMS for all state and local personnel to view.
- Deployed 10 state teams and 5 ARC Flint Water Response Teams to the field today.
- Standing requirements were created for the JIC so we can get information to the media every day. Below are the current ones we have in place and we should have something out tonight according to the JIC.
    - As of 1/15/16 as of 7pm (start date was Tuesday, 1/12/16)

1. 7474 homes visited by the FWRTs. We believe we have ~24,000 homes with filters but are trying to validate that information. This is form the data we received from prior to the SEOC activation plus the PODs and door to door operations since activation.

2. Distributed:
    a. Number of cases of water 18,576
    b. Filters 45,916
    c. Filter cartridges 165,382

d. Test kits 3,217

3. Total number of customers on the Flint water system
    a. 29,944 paying customers
    b. 45,000 hookups (This is our high end target #)
    c. 39,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
    a. Cases of water 44,688 (additional 12,884 donated)
    b. Filters 78,520
    c. Filter cartridges 163,081
    d. Test kits 18,761

5. Teams going out tomorrow:

    b. 10 ARC (2-4 folks) type 5 teams----Goal tomorrow 100 homes per team

Local EOC

Home Deliveries:

- Still receiving lists from the Valley Area Agency on Aging (VAAA) on home deliveries and forwarding these to the Sheriff's office. They are going through a lot of homes. 120 out of 125 homes were completed yesterday.

Operations:

- We sent staff to visit Fire Station 6 and the warehouse today. Fire station 6 traffic was congested and that was during a "slow" time. The National Guard is identifying what is needed to alleviate this. MSP is working on providing uniform presence as needed. An additional iPad at each location will hopefully help relieve the amount of time that people are spending at the distribution sites.
- Lt. Roach worked with faith based organizations today reference water and filter distribution. Additional requests from churches were made and I approved the locations so they could be ready for Sunday. Lt. Roach was told by one of the pastors that he met with the Gov today and expressed how much he appreciated the efforts put forth. We should have 14 for this Sunday. We are working on how we can increase this output.
- Still concerned about people going to every fire station and collecting water/filters. NG personnel observed vehicles with several cases of water an overheard saying they were heading to the next station. Some people were helping themselves and taking more than one case at a time. Per the NG they cannot physically stop people from doing so. The NG is going to try to change staging in the fire stations to try to prevent this.
- Flint PD is going to check in every day with the EOC and provide a specific contact person. They are also going to help with traffic issues at the PODS. Will ask Flint PD to provide a presence when water is off loaded at a POD to help prevent people from "helping themselves."

Chris

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Update 1/14/16 – 10th Day (9th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Prepare/approve logistics plan and finalize lease on warehouse space/begin to move supplies from GCCARD to new warehouse
- Continue with door to door teams and finalize planning for future team use
- Submit request for a Presidential Declaration of a Major Disaster and Emergency
- Continue to work on long term recovery items (DHHS, DEQ, MDARD)

Attached Documents:

- SitRep 9

Status on Governor's request letter to the President:

- All documents for the presidential request have been submitted to FEMA. I had a lengthy conversation with the FEMA Region V Administrator reference the request prior to sending.

Key items for tomorrow to note are:

- The door to door teams will continue in the morning.
- We will continue to ramp up door to door operations with additional teams. Teams continue to focus on the high lead level areas and additional data is being analyzed to focus mission areas.
- ARC will increase the number of their Water Response Teams.
- Supply burn rates as well as projections on how many teams will be needed to put filters in all homes within 3 and 5 days will be completed. Analysis will be done to see in NG personnel may be needed to finish in quicker manner.

Items to Note

- DEQ was notified of the number of homes who are willing to have them take additional samples in the future (current number (114). This question was added to the App being used by the Water Response Teams. Data will be provided when needed.
- LT Gov is scheduled to be at the local EOC and SEOC (~4:30) tomorrow to see the operations.
- Secured 80,000 sq. ft. of a warehouse today. Working to consolidate all resources in one location. Tomorrow will be the first day of full implementation of our logistics plan.
- Email sent to state employees to request volunteers for weekend.
- Media monitoring showed no incorrect information today.
- Michigan Association of Broadcasters is sending PSA to radio stations.
- Coordinating with Red Cross on volunteers for weekend.
- Deployed 8 Water Response Teams to the field today (approx. 120 volunteers). 78 Red Cross volunteers active across the operation today.
- National Guard is ramping up to have 3 soldiers per shift at each POD tomorrow. Will also have a Public Affairs Officer at the JIC and liaison at the local EOC.
- Senator Ananich visited the SEOC today to see how things operate. The visit went well and he seemed happy with the number of staff working the Flint event. He tweeted out a message indicating there is still a lot of work to be done but all are working hard.
- DHHS
    - The Community Health Emergency Coordination Center (CHECC) is working on the following:
        - A nutrition plan
        - Education materials, messaging, and working with local agencies
        - Developing a community assessment for disaster behavioral health services.
- Lined up the delivery of filters to two large apartment complexes and a student housing complex.
- We have the list of individuals needing home service (additional contacts will be sent to the Ops Chief at the Local EOC each day at 4:00). Info will be provided to the sheriff's office for action.

- Water Response Team Numbers (this is not the total of homes with filters – I will provide that number tomorrow but it appears we have filters in over half the residences):

	TOTAL	1/12/2016	1/13/2016	1/14/2016
Occupied Homes	1450	242	492	716
Vacant Homes	1967	152	161	1654
Total Homes	3417	394	653	2370
Resources				
Door Hangars	1487	217	453	817
Water	588	117	254	217
Filters	945	112	220	613
Pitchers	22	3	13	6
Water test kits	217	48	109	60
Replacement Filter	482		137	345
Total Resources Dispersed	3741			
Future sample test site	114	28	34	52

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/13/16 – 9th Day (8th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- *Receive, store and increase quantities of supplies*
- Prepare/approve logistics plan and close lease on warehouse space
- Continue with door to door teams and finalize planning for second wave increase (+15 teams – total for 1/14/16 will be 20)
- Continue to work on Governor's Declaration of an Emergency

Attached Documents:

- SitRep 8

Status on Governor's request letter to the President:

- All support data from state Agencies and local jurisdictions collected as of 6:00 pm on 01-13-16
- Current timeline:
  - First draft completed and ready for review by State Department Directors (including the Attorney General) by 11:00 am on 01-14-16
  - State agency reviews due back by 1:00 pm on 01-14-16 for revision of the draft
  - Revised draft to Captain Kelenske by 2:00 pm on 01-14-16 for review and forwarding to the Governor for final review
  - Final draft (based on Governor's review) submitted to FEMA Region V Administrator by no later than cob 01-14-16 but hopefully sooner. FEMA is aware and ready to receive.

Requests and potential response from FEMA/President

- The letter will request all programs eligible under the Stafford Act including Public Assistance, Individual Assistance, Hazard Mitigation, FEMA's coordination of assistance from other Federal agencies and direct assistance from FEMA

- The letter will also request potential direct reimbursement from other Federal agencies such as EPA, CDC, HUD, DHHS and SBA
- This request is in coordination with the request for Non-Stafford Act federal assistance already requested and received by the State (technical assistance and administration, but no direct reimbursement of disaster costs)
- Direct Federal assistance from FEMA in the form of Individual Assistance to homeowners for household repairs (repair and/or replacement of water service lines and Other Needs Assistance to reimburse for water filters, bottled water, etc.) is a possibility
- Direct Federal assistance from FEMA in the form of Public Assistance is not as likely as it is mostly replacement of publicly owned water distribution lines (and not the direct result of damage from a natural cause)
- If Stafford Act assistance is denied (Public Assistance, Individual Assistance and Hazard Mitigation) FEMA could still provide coordination of assistance from other Federal agencies if the President declares a disaster (or emergency) for the State of Michigan

Key items for tomorrow to note are:

- The door to door teams will continue at 9 a.m. – 5 p.m. Thursday morning and continue through the weekend.
- We will continue to ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas and additional data is being analyzed to focus mission areas.
- *MNG will have a press event at the armory with incoming soldiers and MG Vadnais.*

Items to Note

- Received information that Rev. Jesse Jackson will be in town 1/17/16 at 1:30 at the Heavenly Host Church of the Harvest of Dartmouth St, Flint.
- Managed and corrected misinformation on NG role.
- Senator Ananich is stopping by the SEOC tomorrow morning 0845. I am meeting with him and his Chief of Staff. Short visit as he has a 0930 at the Capitol.
- Working with Comcast so they can put teams in the field for distribution.
- Penske is going to give us 15-20 trucks over the weekend.
- Contact made with Two Men and a Truck for resources.
- Meeting set with Google where they will brief me and key staff potential tasks.
- Coordinated with Flint Mass Transportation Authority (MTA) to include Fire Station PODs on bus routes.
- Tomorrow I will have a projection as to the number of teams needed to get all citizens filters in their homes in 5 days / 3 days.
- We are standardizing team structure and supply deployment to increase efficiencies. Mission Ready Package (MRP) specifications will be sent out for other entities to assist with door to door. They will then be able to arrive as a MRP, get supplies, receive a mission location and deploy.
- 5 Water Response Teams were in the field again today. Below are the numbers from the 2 days of just the Water Response Teams (there are paper copies with data still to be entered from the PODs). I was just briefed by the ARC logistics planner and there are efficiencies we can put in place to increase homes touched per day. The next version of the app will provide more granular details. Additional 30 tablets were configured by DTMB today for field implementation to include use in the PODs.

	Total	1/12/2016	1/13/2016
Occupied Homes	533	242	291
Vacant Homes	238	152	86
Total Homes	**771**	**394**	377

Resources			
Door Hangars	473	217	256
Water	265	117	148
Filters	235	112	123
Pitchers	9	3	6
Water test kits	92	48	44
Replacement Filter	93		93
Total Resources Dispersed	**1167**		
Future sample test site	62	28	34

- We show 17,276 residences with filters (this does not include data entry to be completed from POD or other locations).
    - We have 35,378 service hookups but with apartments, multi residence dwellings, etc we would be around 45,000.
- Logistics Support
    - The American Red Cross Logistics Planner provided me a brief and I approved the plan forward. *The current plan includes:*
        - Mission – A filter in every home ASAP.
        - 4 Distribution Methods
            - PODs (5)
            - Water Response Teams (20 effective tomorrow and this will increase)
            - Local EOC "Hot Shots" (these are calls for functional needs, unable to get to a POD location due to ??, etc). Personnel dispatched with supplies.
            - Local EOC support for other local requests (Faith based for distribution, etc.)
        - Three warehouse locations at this time
        - How to better leverage ARC resources

- Supplies – Daily Numbers
    - Replacement Cartridges - 30,700 delivered.
    - Water (cases) - 19,152 cases delivered

- Budget projection completed and will be submitted to SBO for review.

- *Notes from Water Response Team Command (MSP)*
    - Very good synergy between Flint Post troopers and Genesee County Sheriff command and deputies in effective and efficient deployments for distribution efforts.
    - Great attitude and efforts by uniforms and volunteers to make important contributions to the City of Flint on water response team deployments.
    - Clear direction and coordination in the field of supply teams by lieutenants and troopers. No confusion. Clearly defined roles.

All personnel continue to be fully committed to fixing this as quickly as possible.

Chris

<u>Update 1/12/16 – 8th Day (7th Full Day) After Governor's Declaration of an Emergency</u>

I apologize in advance for the length of this report. With the supply issues we had the last couple of days I wanted to share our inventory plus what we anticipate to ensure we do not have supply issues.

Mission focus for the day:

- Receive, store and increase quantities of supplies
- Fine-tune logistics
- Increase and deploy door to door teams (4 state teams added to teams from the Sheriff's Department)
- Increase collaboration and messaging of collaboration with local agencies (specifically the Sheriff's Department)

Attached Documents:

- SitRep 7
- Executive Order Activating the National Guard

Key items for tomorrow to note are:

- The Governor signed an Executive Order activating the National Guard. Mission will be to relieve ARC volunteers at the PODs (Fire Stations) which will free up the ARC volunteers for door to door activities.
    - I have briefed the ARC Disaster Officer on this plan.
- The Governor requested, through FEMA Region V, support from the Federal Emergency Management Agency (FEMA) to bring together and identify other federal agencies that may have programs and funding that could be dedicated to assisting Flint as part of an interagency recovery plan. One of the existing LNOs has been identified as the POC for this. He will be a great liaison for the FWIACC.
- The door to door teams will continue at 0830 Wednesday morning and continue through the weekend and ramp up door to door operations with additional teams. Teams are focusing on the high lead level areas.
- We will look at all commodities and see where we are and where we need to be while working with the ARC logistics specialist.

Items to Note

- PSA video sent out to Flint citizens on resources available.

- Water
    - Today's numbers - 7,824 cases of water arrived today, 1/12/16 (109 pallets)
    - Ordered:
        - 19,152 cases of water are going to arrive Wednesday, 1/13/16 (266 pallets)
            - 1/3 is going to GCCARD and the rest is going to the new warehouse
        - 12,768 cases to arrive daily beginning Thursday through Saturday (177 pallets a day)

- Filters
    - Today's numbers
        - Ordered on 1/11/16 and delivered 1/12/16 direct to GCCARD
            - 2,000 – Brita filter faucet mounts
        - Filter Replacements
            - 2,400 – Brita filter replacements (single pack)
            - 8,000 – Brita filter replacements (two pack)
    - Ordered on 1/12/16 to arrive Wednesday
        - Faucet Mounts – To be delivered direct to GCCARD on 1/13/16 (Wednesday)
            - 10,000 – PUR Vertical faucet mount
            - 2,500 – PUR Horizontal mount
        - Replacement Filters – To be delivered direct to GCCARD on 1/13/16 (Wednesday)

        - 10,000 – PUR replacement filters (3 pack)
        - 10,000 – PUR replacement filters (single pack)
    - PUR Combination Pack – to be delivered to GCCARD on 1/13/16 (Wednesday)
        - 10,700 – PUR combo packs

- To arrive Thursday
    - Zero Water Pitcher (8 Cup) – Delivering direct to GCCARD on 1/14/16 (Thursday)
        - 1,300 – Zero Water pitchers
    - Faucet Mounts – Delivering direct to GCCARD on 1/14/16 (Thursday)
        - 11,000 – PUR vertical faucet mount
        - 1,500 – PUR Horizontal faucet mount
        - 5,000 – Brita faucet mount
        - 10,000 – Brita adv faucet mount white
        - 12,000 – Brita adv faucet mount chrome
    - Replacement Filters – Delivering direct to GCCARD on 1/14/16 (Thursday)
        - 117,600 – PUR replacement filter

- Test Kits
    - 6601 unassembled kits arrived at GCCARD today, 1/12/16.
    - 500 have been assembled and are ready for distribution
    - 1000 additional unassembled kits have been ordered to be delivered at GCCARD (no ETA yet)
    - 10,142 unassembled kits to arrive at GCCARD early next week

- Second warehouse – Located in Flint
    - 100, 000 square feet of secure warehouse obtained.
    - Accepting commodities beginning Wednesday, January 13

- Logistics Support
    - The American Red Cross Logistics Planner arrived from DC today as requested. I outlined what her mission was and how I saw the progression forward. This logistics planner will assist in streamlining the inventory and distribution process now and into the future.

- Door to Door Numbers
    - Today the app implementation for the field went extremely well. There were a few issues that were quickly addressed. One related to how form fields should be filled out. Another was getting styluses for teams so that they don't have to remove their gloves in the cold. All very simple to fixes.
    - We are working on version 2.0 so this can be used at the PODs
    - We should be able to greatly optimize distribution in the near future as we mapped the active water subscribers from Flint's DPW and are adding them to the field team members apps. Of the ~56,000 possible addresses, this reduces the number of possible homes to visit down to ~29,000.
    - Notes from the field commander:
        - "Today we started out the day using two groups that consisted of approximately 10 people in each group. We eventually combine groups with Genesee County Sheriff's group and they brought two more groups with approx. 10 people (Local UAW) in each group. This made us a lot more efficient and we were able to set up a game plan. Tomorrow I feel we will be more efficient and we will have a better plan in place to get the maximum output out of our resources."
    - In the end, there were 394 total home visits with the following breakdowns:
        - 217 Door Hangers

- 152 Vacant Homes
- 117 Water Distributions
- 112 Filters
- 3 Pitchers
- 48 Water Test Kits

- 211
  - CALL VOLUME:
    - 185 calls for water-related issues had been received as of 4:45 pm.

- Logistics made contact with Comcast and will be supplying them with filters and replacement cartridges for their deliveries in their work trucks as they make services calls. They will follow our procedures for reporting (our checklist).

Chris

Update 1/11/16

The focus today was the media event and getting the supplies and logistics on track. Most of the activity today was working on logistics for the water and other supplies.

Attached Documents:

- SitRep 6

Key items for tomorrow to note are:

- The door to door teams will start at 0830 Tuesday morning. It is reported that troopers are going to the door but DHHS employees are the lead with a troop car nearby.
  - State and local GIS created an App today for the teams to use tomorrow but I see potential use at distribution sites.
  - The App data will be used for our maps as we survey the public/distribute supplies and we will be getting real time metrics through the site from the field send back to the SEOC. We are using Android tablets tomorrow but in the future can use any mobile device for this.

Items to Note

- It was reported that only one POD (Station 5) was out of water longer than 30-45 minutes. This site was ~2 hours without water and part of that was the truck went to the wrong station. Trucks were sent as soon as the local EOC was notified.
- We also did not receive a DHHS shipment that was to come in which caused some filter delivery issues.
- Supplies are limited at this time; however, we are getting our shipments starting at 0630 tomorrow.
- We have Home Depot giving us 12,768 cases (this was a late development so the SitRep indicates half the amount) of water every day starting tomorrow. We are still working with other distributors too.
- ARC is flying in a logistics planner tomorrow. Three additional staff with be with her to shadow and help. We are turning warehouse logistics over to ARC logistics. We are moving tomorrow to a process that has a distribution center (GCCARD) and a warehouse that is 100,000 square that will maintain mass quantities. Staff has continually been placing orders for supplies to ensure we get a head of this. The intent is to keep the warehouse full so we do not have these continual issues of supplies.
- Began mapping lead service lines (anticipate having draft of lead service lines Friday).
- Coordinated with local IT managers overseeing filter tracking system to streamline data collection.

Local Emergency Operations Center

• Working to coordinate resources at the local level to maintain adequate supplies at all PODs.
• Demand has exceeded supplies and supplies are moving rapidly from PODs today. Working to make sure POD managers notify us when they start running low.
• Working to establish a warehouse for local resource storage.
• Established trigger points for resources at PODs and hourly inventory reporting from the PODs.
• Discussed potential long term water sources between local EOC and SEOC.
• Established planning cycle/meeting scheduled for 1/12/16.
• Local EOC EMHSD staff with Natasha Henderson to request deployment of City representative at local EOC.

Chris

Update 1/10/16

Attached Documents:

- SitRep 5
- Door card (English version but Spanish version will be ready for Tuesday)

I have a local EOC section listed below but state personnel are heavily engage in management of both locations. We occasionally hit some road bumps with this event but all personnel are working well together to accomplish our goals (especially state agency personnel).

I have had good discussion with FEMA LNOs. Two statements have been developed from our discussions that hopefully helps put this in more context but if it is more confusing I apologize:

1. In the immediate response, the State, in collaboration and coordination with city of Flint and county of Genesee are working to get water, water filters, and testing kits to the affected population. In conjunction, the state will coordinate with federal agencies to ascertain what resources can come to bear to help mitigate the issue.

2. If asked about a federal declaration from FEMA, we need to articulate the definition of major and emergency declaration and state or note to ourselves that it appears to not qualify; **however**, there may exist opportunities to leverage federal assistance from some agencies (i.e....EPA) under their own authority to help address this issue.

    - We need to really manage expectations on the potential for a federal declaration...not that we will not go after one but it will be difficult to get.
    - A major disaster is defined in the Stafford Act as any ***"nature catastrophe (including hurricane, tornado, storm, high water, windriven water, tidal wave, tsunami, earthquake, volcanic eruption, landslide, mudslide, snowstorm, or drought) or, regardless of cause any fire, flood, or explosion.....causes damage of sufficient severity and magnitude, to warrant major disaster assistance.....to supplement the efforts and available resources of States, and local government....."***
    - An emergency declaration is ***"is any occasion or instance for which, in determination .....assistance is needed to supplement State and local efforts and capabilities to save lives and protect property and public health and safety or to lessen or avert the threat of a catastrophe....."***

    - This is limited to immediate and short-term assistance (I hate to put times on this but short-term is like 3 weeks), essential to save lives, protect public health and safety and property.
- Severity of the situation is ***"A finding that the situation is of such severity and magnitude that effective response is beyond the capability the state and affected local governments, and that the state requires supplementary federal emergency assistance to save and to protect property....***
- Nature of assistance for Emergency Declaration is for ***"Debris removal, emergency protective measures, direct federal assistance...."***
    - Debris Removal = ***self-explanatory and we do not have this***
    - Emergency Protective measures = ***water, commodities, transportation (remember ... to supplement what the locals and state are already doing if we need more)***
    - Direct federal assistance= ***what specific type of work is requested, and what are the reasons why the state/local government cannot perform or contract for performance. Essentially what is the need that state/local govt cannot provide. I can see this being something we need but we may be able to get this outside a federal declaration under the federal agencies own authority to help address this issue.***

Back to the update...

Key items for tomorrow to note are:

- Training is occurring for the door to door teams scheduled for Tuesday morning.
- Deploying an additional MSP District Coordinator to the local EOC for command and control support.
- Deploying two DTMB trucks and two drivers for sustained logistical support for the week.
- Media event with the Governor in Flint.
- New Incident Action Plan starts (1/11 0800 -1/13 0800 operational period). Our objectives are as follows:
    1. Ensure all households within impacted community have required resources.
    2. Ensure accurate tracking and accounting of all commodities.
    3. Improve and maintain public information strategy.
    4. Develop a long term public health and services plan.
    5. Ensure adequate staffing to support operational requirements.
    6. Identify possible assistance programs.
    7. Develop an approved GIS strategy.
    8. Maintain coordination between partner agencies and organizations.
    9. Enhance situational awareness and common operating picture of all activities.
    10. Develop a comprehensive Recovery Plan.

Items to Note

- All 9 churches had filter systems/replacement filters, information sheets, and water test kits delivered as requested by each pastor/reverend on Sunday. We did not think we could get them water due to the limited time but we did end up getting water to all 9 churches with the other items.
- Fire station resource locations stayed open from 9a to 9p and will continue with those hours until further notice (Staffing is in place until Saturday). ARC is staffing these locations.
- The media event was held at Fire Station No. 1 and report back is that it went well and the spirit of collaboration between local, state, non-governmental partners is strong was relayed.
- The four door to door teams will have the hours of 8:30 a.m. to 5 p.m.
    - Each will have logistics support from DTMB, security from MSP, and contact personnel from DHHS.

- The door card is attached that will be left if no one is home.
- Worked to identify a storage location within the City of Flint for water and supplies. G-CARD is identified as temporary location but we are moving toward a state run warehouse operation (looking at private sector partners to assist, especially with the warehouse management side).
  - GCCard is large enough, centrally located and comes staffed. GCCard has 75,000 sq ft with warehouse managers to assist with tracking resources coming in and out.
- GIS will provide us daily updates of how much was distributed each day but note we have a delay in data entry from delivery to entry in the GIS system. Over the weekend there was a problem locally with staffing to get this completed. A solution is in place and will be implemented so we get timely data. Distributed to date (as of 1/8/16).
  - 12,386 filters
  - 1,985 replacement filters
  - 354 Pitchers
  - 2500 Lead Testing Kits
- Establishing and tracking of resources is a priority. Staffing has been assigned to get a good handle on these to ensure distribution sites maintain an appropriate level of inventory. I have requested trigger points get put in place so we do not get below certain levels in the main warehouse location.
  - Contacts with some large water distributors have been made and their and our logistics chiefs will connect first thing this week.
  - We have ordered an additional (expedited delivery with ETAs tomorrow)
    - 40,000 Brita Filters
    - 40,000 Brita Replacement Filters
    - 1000 Zero 8-Cup Pitchers
    - 1000 Zero 8-Cup Pitchers
    - 2000 PUR Replacement Filters
    - 93 Pallets of water (about 6700 cases)
- GIS continues to produce multiple maps for use.
- JIC Items
  - Requested PSA on the radio. Media has been approved and working with MAB.
  - Requested JIC to contact Comcast and Dish Network for availability for continuous running of filter install/replacement and test kit video.
  - A news release will likely going out tomorrow regarding canvassing in neighborhoods. Continued social media messaging.
    - Tuesday – embed state PIO with one of the canvassing teams to liaison with media.
    - JIC moving tomorrow to Flint.

<u>Local Emergency Operations Center</u>

I am providing you some information on some issues we ran into at the PODs. This has been addressed with additional state resources and processes put in place so we do not run out of resources. Public concerns/complaints have not been brought to my attention at this time. Staff is working very hard to ensure we do not run out of supplies at the PODs and they understand the consequences. No one in the Local EOC or State EOC is happy the follwoing occurred and I felt you should know in case it is brought up. Again, I believe we have fixed this and I take full responsibility for any supplies not being on site.

<u>Fire Station Inventory Levels:</u>

Station 1:

- Only time without supplies - 15 minutes without water while the truck was unloaded.

Station 3:

- Ran out of replacement filters around 7:00, replacement filters delivered around 7:30. Had to pick up replacement filters from Home Depot and deliver.

Station 5:

- Ran out of water around 5:00, water was delivered around 6:30. We needed to find additional trucks because DTMB drivers were over hours. The ARC stepped up and found a truck to go and pick up a pallet of water and deliver.
- Somewhere between 4:00-6:00 they ran out of lead test kits. No way to restock these because City facilities were closed and could not reach anyone.

Station 6:

- Around 5:00 ran out of water, filters, and replacement kits. Replacement kits were delivered around 7:30. Additional water and filters were delivered after 9:00 due to the DTMB drivers heading back to Lansing. Food Bank was called and had to get drivers in to operate trucks, pick up water from the School District, load and deliver to all sites. Delays occurred with weather conditions and needing to use last minute sheriff EOC staff to load due to issues with City workers. City workers were scheduled to help and left around 7:00 without helping.
- 2 pallets of water were dropped off in the afternoon and within 1 hour were gone. This was much faster than we expected. On 1/9 they didn't go through 2 pallets of water at any station for the hours 9:00-4:00.
- We received news that a reverse 9-1-1 call notified residents of water which caused an unanticipated amount of people obtaining water. There was also a report of 1 person walking out with 2 cases of water and trying to sell in the parking lot.

Station 8:

- Around 7:00 ran out of filters and lead tests. Filters were delivered around 8:00 from the food bank trucks.
- Hourly reports were requested in the morning from volunteers but this information was not received as to the status throughout the day. Early inventory of supplies took between 1 hour-1.5 hours to receive in the EOC. We were not advised of low counts, just zero numbers.
- Reports received that the last couple of hours were slow.
- Residents were advised of the other sites and the opportunity to obtain supplies.

Restocking Plan

- United Way set up meeting with Food Bank to discuss.
- Had EOC meeting on this topic to discuss options.

Churches:

- All 9 churches received waters, filters, and informational bulletins.
- Lt Roach received positive feedback from 3 of the pastors.
- No complaints were received.

Signage:

- Provided information to SEOC on signage requirements at the fire stations.

Storage:

- Researched storage spaces; established temporary site at GCCARD.

Personnel:

- Lack of local EOC leadership (seems somewhat checked out) with IC and Deputy IC (doing an okay job).
- Captain TaFoya (Genesee County) helped tremendously today with all the plans outlined above and attended the press conference.
- Tina Martinez at the Food Bank and Matt Purcell at GCCARD were extremely helpful in getting last minute operations set up.

Chris

Update 1/9/16

SitRep 4 attached for more in depth information. The below only contains some items worked on today and while the format in the attached SitRep is not perfect (it is created automatically by MICIMS) it does contain a lot more information you may want to read. I also attached one of our maps. It is our filter distribution map. All filters handed out by anyone working with us feeds into this now. We are continuing to refine these and at this time there is a delay in the upload of address data but we are working on it. We have a ways to go to get filters in every home but this will help direct us to those who need still them. We also are working on identifying abandoned homes.

Key items for tomorrow to note are:

- 9 churches will have ARC volunteers and filters for distribution. Some may also get water.
- 5 fire stations are a distribution point for water, filter systems/replacement filters, and water test kits. While only open today until 4 p.m., tomorrow and until further notice they are open from 9a to 9p.
- Media event will take place on the above tomorrow.

Items to Note

- 211 has some issues with call load but it is being worked on. 2-1-1 Director contacted MDHHS PIO to discuss/resolve caller wait times and messaging. We anticipate an increase in activity tomorrow in 211 calls so we requested and received an increase to staff 211.
- We are shifting tasks the SEOC took on that are handled more effectively and efficiently at the local EOC. We have established command and control in their EOC. We are running things there but that is not being made public. We are doing this in partnership but we are clearly handling the operation with state personnel oversight.
- A 3rd FEMA LNO arrived today upon my request. This has nothing to do with a Presidential request for a declaration but support for some other items I want worked on for long term recovery.
- We continue morning calls with the local EOC leadership and local emergency manager on what our goals for the day are as well as any issues/concerns.
- Five 5 fire stations have received water, water filters, replacement cartridges, and water testing kits with American Red Cross personnel at each location to assist with delivery of resources and collection of addresses receiving them. These locations will be open from 9a – 9p daily until determined they are no longer needed. Those picking up water testing kits will be advised that they can return the test kits to the fire departments (where they will be picked up and taken to the Flint City Hall), the Flint Water Treatment Plant, or they can take them directly to the Flint City Hall. For those unable to return the kits, 211 can make arrangements for pick up the kits. We understand response to these sites has been positive thus far. The Genesee County EOC will be monitoring these supplies and request replacement of products as needed.
    - A call is going out tomorrow morning to advise this information ... I do not believe it was every resident but Tori Sachs has that info if needed.
- I approved a press release today to advise the public that all levels are working together to ensure delivery of filters, test kits and water; noting that all of these items were delivered to the 5 Flint fire department stations. It was stressed that the public should be aware that the local and state agencies have been working cooperatively to assist the residents - and will continue to do so. This was done to hopefully end or at least minimize the "who can get water and filters out first" when all of this has been connected with the state and coordinated since the state declaration was put in place.
- The arrangement of 2,000 filters, to be taken to 9 local churches on Sunday, January 10, is ongoing. The filters have been secured; they are now in the possession of the DTMB. DTMB will return to Flint on Sunday morning to deliver these to necessary locations. The American Red Cross will be on site at each church to assist with distribution and recording addresses (for GIS). The local

EOC is working to ensure these arrangements are complete and run smoothly. Future engagement with the faith based community will occur to assist with additional distribution.

- A Flint City liaison has not been in the EOC but starting Monday this will be in place to keep the Flint Mayor appraised of activities being conducted in the city. She also has been advised she can call me at any time if she needs anything.
- Training has been confirmed for the door-to-door operation scheduled to start Tuesday. Four teams are initially scheduled with more to potentially be put in place. These are the teams that will be handing out water, filter systems/replacement filters, test kits and information. If nobody is home, a door hanger with information is being left. DHHS personnel and one MSP trooper will be on these teams.
    - Training will take place at 1 p.m. on Monday afternoon at the DHHS office on Clio Road. DEQ and DHHS will provide the training.
        - Training is so those going door to door can explain what the filters do, how to install them, if they need install help to call 211 who has a list of people who can install the filters, and answer any other questions versus just handing them the filter.
    - Hours of operation will be Tuesday through Friday from 8:30 a.m. to 5 p.m. AT THIS TIME. I am reevaluating these times to increase contact with someone versus just leaving information.
    - Logistics are being finalized for the teams and trucks to handle stocking and re-stocking of materials during daily operations.
    - GIS maps will provide guidance on deployment locations for these teams and other teams in the field.
- A pilot project at Freeman Elementary with LARA and DEQ has been initiated to see if replacing certain plumbing components in faucets at the school will drop the lead level.

<u>MSP/EMHSD GIS Section Updates</u>

Accomplished Today (January 9):

- Produced a Point of Distribution Map. Contains four types of distribution points; Churches, Water Resource Sites, Filter Distribution Sites, Water Distribution Sites.
- Produced Filter Distribution Map.
- Developed process of how best to handle geocoding the household filter locations, worked on processing the data.
- Worked on map of franchise customers outside of Flint City.
- Produced maps for MDARD on food establishments and Local Health Departments.
- Produced map of Church Filter Distribution map for DTMB.

<u>Local Emergency Operations Center</u>

- The state has deployed 10 personnel to the Genesee County EOC to ensure we have command and control at the local level. On 1/8/15 The state personnel took over the incident management functions of the Genesee County EOC (not public). The arrival of additional staff allowed the local Emergency Management Coordinator to delegate tasks which relieved a tremendous amount of stress.
- Additional Sherriff staff (2-positions) will be shadowing the state incident management team to allow for transition to the county personnel later in the incident when we are comfortable with them handling things. Not sure when that will be but we have secured a direct bill hotel for staff to stay in Flint as long as needed.
- With the additional staff, the Local EOC will be able to take over functions previously handled by the SEOC including:
    - Logistical activities to support church operations.
    - Logistical activities to support fire stations operations.

- Coordinate Donations Management activities and draft donations management plan
- Coordinate Volunteer Management activities
- Identify local storage/staging facilities
- Overall inventory tracking
- Tracking of Points of Distribution (PODs)

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC.

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will

then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
  - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
  - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.
- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.
- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.
- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:

Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final *draft of objectives and tactics for the operational period and agency situation report (SitRep) which has* more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.**
- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**

        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.
    5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
    6. Develop a comprehensive GIS strategy.
    7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.
    8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
    9. Provide technical assistance to the local Damage Assessment process.
    10. Establish a Joint Information Center (JIC) and develop a public information strategy.
    11. Monitor MI CIMS for resource requests and address as appropriate.
    12. Establish and disseminate cost center information for the incident.
- Additional tasks include:
    - Determine what federal agencies are already involved and their status
    - Identify potential water supplies
    - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
    - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
    - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC

- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
    - Water Pipeline Locations
    - Filter Distribution Locations
    - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
    - Affected School Locations
    - Predictive analysis of blood lead levels for affected area
    - Updated Parcels
    - Demographics
    - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: *RE: Update - Genesee County Declaration*

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

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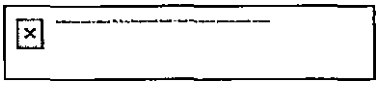

Lisabeth, Nicole (MSP)

From: Banner, Shanon (MSP)
Sent: Tuesday, January 19, 2016 2:43 PM
To: Holland, Meegan (GOV); Heaton, Anna (GOV)
Cc: Lisabeth, Nicole (MSP)
Subject: RE: Nightly numbers on hold

Another request, because I want to route this press release for approval tonight – but not for dissemination – are you able to share with me the talking point the Gov will use for further increasing the National Guard? I want to make sure we are saying what he is saying.

Again, we will not use or disseminate this information until 8:30 a.m. tomorrow.

If there are any other important Flint Water related pieces that the JIC should be talking about tomorrow following the speech, please let me know. I have seen an email from Tori regarding a new website?

I was also told from Nicole that we are supposed arrange a local television interview tomorrow morning through Friday morning to discuss ground activity. Since we are not issuing this information until 8:30 a.m. today, I am wondering if it is okay to hold off on tomorrow's interview and start them on Thursday? Please advise.

Thank you,
Shanon

From: Holland, Meegan (GOV)
Sent: Tuesday, January 19, 2016 2:33 PM
To: Banner, Shanon (MSP); Heaton, Anna (GOV)
Cc: Lisabeth, Nicole (MSP)
Subject: RE: Nightly numbers on hold

Yep, that works.

From: Banner, Shanon (MSP)
Sent: Tuesday, January 19, 2016 2:28 PM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>
Cc: Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
Subject: RE: Nightly numbers on hold

Meegan,

I understand the concern, but my concern is the JIC will need new information for the media tomorrow. I don't think we can keep giving them old info, especially because we are making significant progress.

We can stress this info is updated. Will that work?

From: Holland, Meegan (GOV)
Sent: Tuesday, January 19, 2016 2:26 PM
To: Heaton, Anna (GOV); Banner, Shanon (MSP)
Cc: Lisabeth, Nicole (MSP)
Subject: RE: Nightly numbers on hold

Shanon –
Two options:

- If you go with a release and push the button at 8:30 a.m., could you indicate in the release something to the effect that these are updated numbers are just in – to make clear that these are updates since the Governor's speech? I just remember FEMA Dan talking about how we don't want to get nailed for not having our numbers straight.
- Cancel this release all together. Just put the next one out on Wednesday night. What do you think? I actually favor this action.

From: Heaton, Anna (GOV)
Sent: Tuesday, January 19, 2016 2:20 PM
To: Banner, Shanon (MSP) <BannerS@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>
Cc: Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
Subject: RE: Nightly numbers on hold

Yes please. That way when the Gov says tonight "more than 21,000" homes visited, your new # won't hit the media market so we won't get questions about why the JIC is reporting one # and we are reporting another.

Thank you Shanon!

From: Banner, Shanon (MSP)
Sent: Tuesday, January 19, 2016 2:13 PM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>
Cc: Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
Subject: Nightly numbers on hold
Importance: High

Hi Meegan and Anna,

I just spoke with Nicole Lisabeth and I want to confirm that the JIC is to hold the nightly water activity numbers news release tonight and issue it tomorrow morning. We can push it out at 8:30 a.m. tomorrow. Will this be fine?

Thank you,
Shanon

Shanon Banner
Manager, Public Affairs Section
Office of the Director
Michigan State Police
517-241-0955

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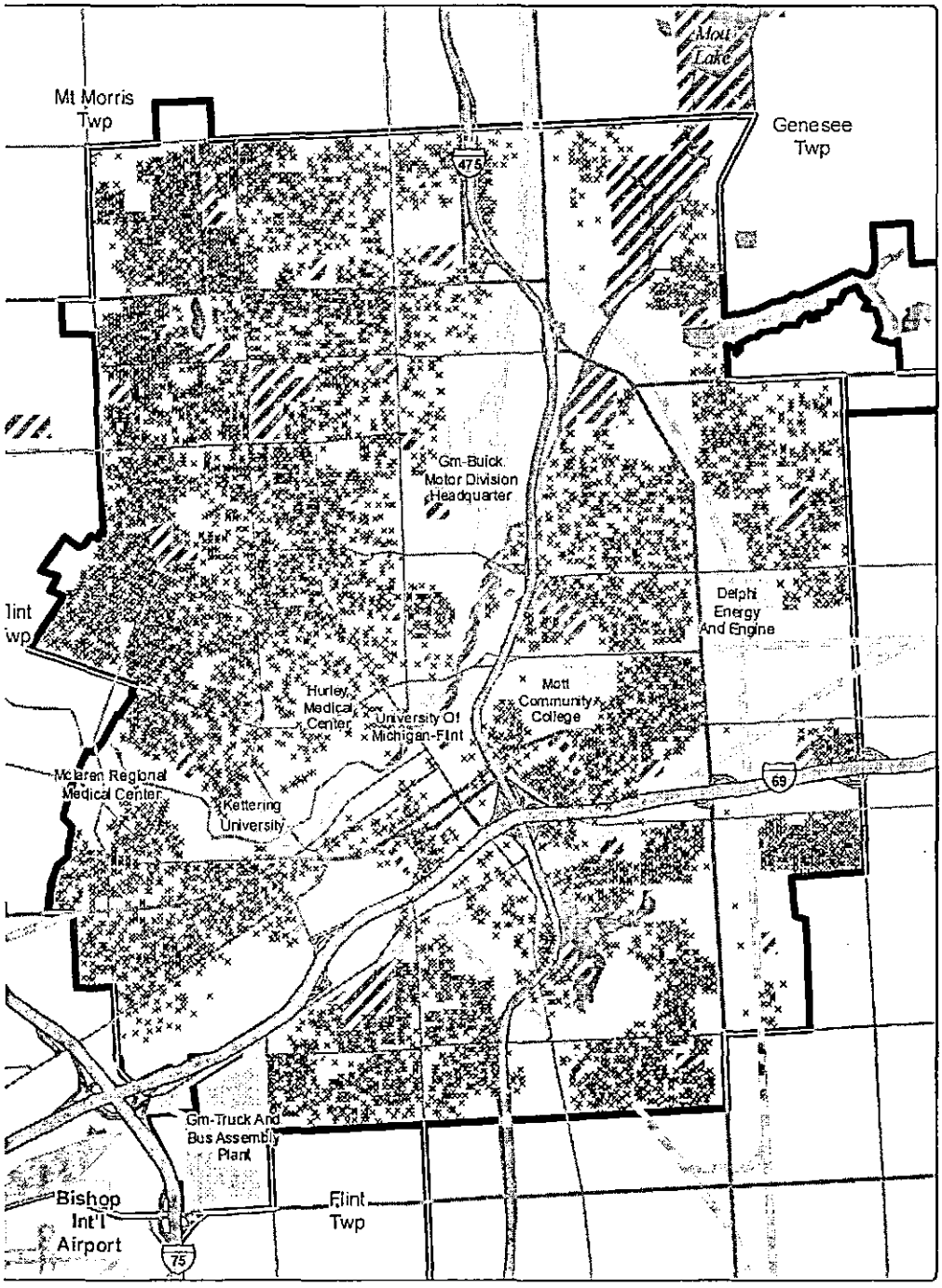
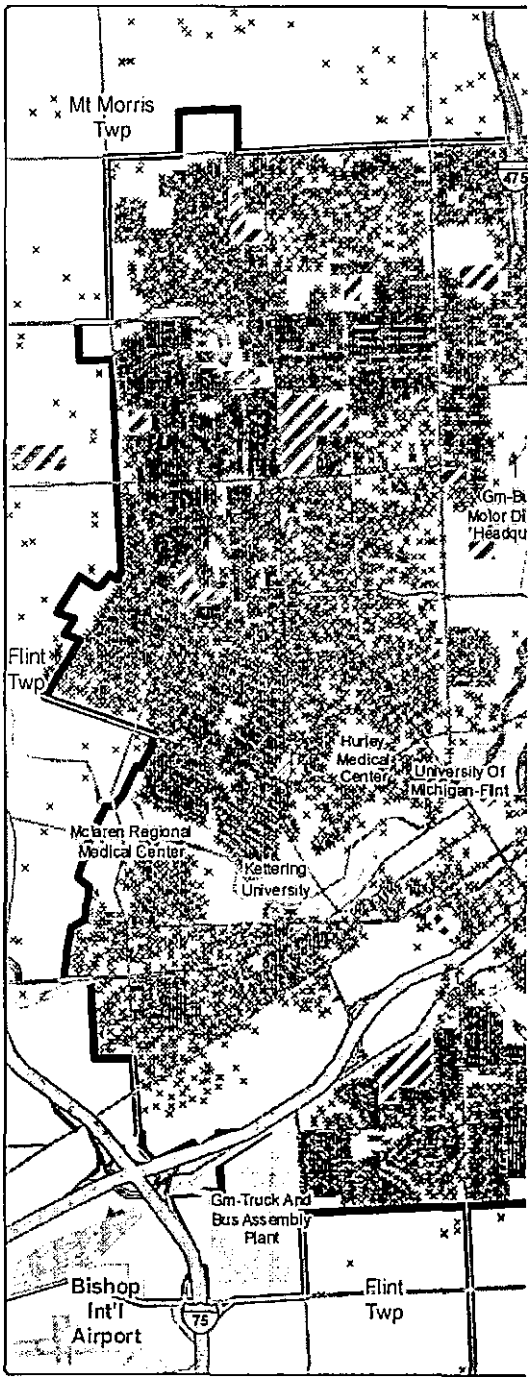
We're on social media! Find all the ways you can connect with us at www.mi.gov/mspconnect.

Flint Water Response Team Activity

As of Wednesday, January 13, 2016



As of Monday, Ja



Michigan State Police
Emergency Management and
Homeland Security Division

× Home of Citizen Reached Major Campuses Parks and Recreation Vacant Parc

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Lisabeth, Nicole (MSP)

From: Banner, Shanon (MSP)
Sent: Tuesday, January 19, 2016 3:16 PM
To: Lisabeth, Nicole (MSP)
Subject: FW: Appropriations Notes
Attachments: Appropriations_Jan19_Kelenske.docx

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 19, 2016 2:55 PM
To: Banner, Shanon (MSP)
Subject: Appropriations Notes

Shanon

I added some items and probably will add some more after I speak with Sheri Irwin. Yellow highlights are changes. Blue highlights are number that will change tonight.
If you get time take a look.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

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January 19, 2016

Flint Water Emergency Response
Talking Points for Capt. Chris Kelenske
Meeting with Appropriations

NOT INTENDED TO BE DISSEMINATED TO THE MEDIA OR PUBLIC IN THIS FORMAT

Chronology

- October 1, 2015: Public Health Emergency Declaration issued
- December 14, 2015: State of Emergency declared by City of Flint.
- January 4, 2016: Genesee County Board of Commissioners declared a local emergency
    - Genesee County also requested a Governor's Declaration of Emergency with the local declaration.
- January 5, 2015: Governor declared State of Emergency
    - State Emergency Operations Center activated in Lansing to coordinate state response
    - Joint Information Center (JIC) activated on January 6, 2016 in Lansing; moved to Flint on January 11, 2016
- January 9, 2016: Water resource sites established at fire stations. 9 a.m. to 4 p.m. on January 9, 2016 but 9 a.m. – 9 p.m. starting January 10, 2016.
- January 12, 2016: Water resource teams began going door-to-door (4 teams)
- January 12, 2016: Governor Snyder issued an Executive Order activating the Michigan National Guard
- January 14, 2016: Governor requested Presidential declaration of emergency and expedited major disaster for Genesee County
- January 16, 2016: President Obama approved the Governor's request for a federal emergency in Flint.
    - Denied request for major disaster

Federal Support

- President Obama's approval of a federal emergency in Flint provides emergency relief in the form of bottled water, water filters, filter replacements, and water test kits. The period of assistance is up to 90 days.

- In addition, the state is working with the Federal Emergency Management Agency (FEMA) to coordinate an interagency recovery plan with other federal agencies to provide resources to Flint.

    - Coordination will include identifying federal agencies that have programs, authorities and/or technical expertise that could be utilized in the ongoing response and recovery efforts in Flint to be made available. Such federal agencies may include the Department of Health and Human Services, Environmental Protection Agency, Department of Housing and Urban Development, and Army Corps of Engineers.

Current Status/Update

- We are continuing to bring all state resources to bear to protect public health and safety.

- One of our most important messages and priorities continues to be making sure residents are aware of the information and free resources available to them, which include bottled water, water filters, replacement cartridges, water test kits.

- The one-stop shop for finding all these resources is by visiting www.michigan.gov/FlintWater or calling 2-1-1.

- To date, more than 21,300 homes have been visited by water response teams who are going door-to-door to distribute free bottled water, filters, replacement cartridges, and water testing kits.

    - Water response teams are a collaborative effort comprised of city, county, state personnel, American Red Cross personnel, and volunteers.

- The Michigan National Guard has been activated to assist with distribution efforts at the five water resource sites at fire stations in the city.
    - There are approximately 70 National Guard members handing out water resources at the fire stations in the city.

- Since January 9, the following resources have been distributed to residents, both at the water resource sites and by the water response teams:

    - More than 37,300 cases of water
    - More than 53,700 water filters
    - More than 7,300 water testing kits

- To help enhance the water testing process, Flint residents can now drop-off water samples to the five water resource sites at fire stations. Samples will only

be accepted by using the official water testing kits provided at the water resource sites and by the water response teams.

- Water resource sites are open daily from 9 a.m. to 9 p.m. and are located at:

  Fire Station #1
  310 East 5th St.
  Flint, MI 48502

  Fire Station #3
  1525 Martin Luther King Ave.
  Flint, MI 48503

  Fire Station #5
  3402 Western Road
  Flint, MI 48506

  Fire Station #6
  716 West Pierson Road
  Flint, MI 48505

  Fire Station #8
  202 East Atherton Road
  Flint, MI 48507

Filters

- When used properly water filters remove 99% of lead in water.

- Residents are urged to use filtered water for drinking, food preparation, brushing teeth and watering pets. Unfiltered water may be used for bathing and cleaning.

- One filter and one replacement cartridge are being provided per household initially. Each filter is good for approximately 100 gallons of water. The filter has an indicator on it that will turn from green to red when it needs to be replaced.

- The filters have a two to five-year, non-replaceable battery that operates the indicator light.

- There is a detailed video posted on www.michigan.gov/flintwater that explains how to properly install a water filter cartridge. An instruction sheet also has been provided to 2-1-1 to share with those individuals without internet access.

Resources for homebound individuals

- 2-1-1 is collecting a list of limited mobility or homebound individuals needing home delivery of water resources and is providing that information to the Genesee County Sheriff's Department, who is making these deliveries.

- The Plumbers and Pipefitters Union has agreed to provide free water filter installation to homebound residents needing assistance. This is also being coordinated through 2-1-1.

Outside Support Efforts – Volunteers and Donations

- There has been great cooperation on the ground in Flint by many local agencies, from the city and county to churches and public, private, and non-profit groups to help with this effort.

- The American Red Cross, United Way, 2-1-1, and many other organizations have assisted with water resource distribution efforts and the donations management process.

- The American Red Cross has established a volunteer reception center for those wishing to assist with ongoing efforts to distribute water, water filters, replacement cartridges and water test kits.
    - The Volunteer Reception Center is located at the Red Cross office at 1401 S. Grand Traverse St. in Flint.
    - This week, the Volunteer Reception Center hours are:
        - Monday - Friday, 9 a.m. to 7 p.m.
        - Saturday, 9 a.m. to 2 p.m.
        - Sunday, 12 p.m. to 5 p.m.

National Guard Mobilization

- Governor Snyder issued an Executive Order on January 12, 2016, to activate the Michigan National Guard.
    - Currently they are being used to staff water resource sites to support the distribution of bottled watered, water filters, replacement cartridges, and water testing kits.
    - National Guard is uniquely prepared and trained to respond quickly in emergency situations.
    - The first group of National Guard personnel arrived in Flint on January 13 to conduct assessment and get acclimated (seven personnel).
    - 30 more personnel arrived on January 15 and additional soldiers were added on January 18, bringing the current commitment to approximately 70 soldiers.

- This is the second time the Governor has activated the National Guard.
  - Last time was for the Duck Lake Fire in Luce County in May 2012.
- Per the Michigan Emergency Management Plan, the Michigan State Police Director or designee is responsible for coordinating all state efforts, including the Michigan National Guard.
- Activation of the Michigan National Guard allows the volunteers from the American Red Cross, who have been staffing the water resource sites, to join the water distribution teams.

Water Bills

- The City of Flint is responsible for issuing water shut-off notices for non-payment. Per the Mayor, the city has put a halt on all notices or disconnections. Shut off notices have not been mailed since the beginning of December.

- Water payment inquiries should be referred to the City of Flint.

Commodities

- As of 1/19/16, 5 pm (start date was Tuesday, 1/12/16)

1. 21,393 homes visited by the FWRTs to date.

2. Distributed:
   a. Number of cases of water 87,313
   b. Filters 53,713
   c. Filter cartridges 169,520
   d. Test kits 7,379

3. Total number of customers on the Flint water system
   a. 29,944 paying customers
   b. 45,000 hookups (This is our high end target #)
   c. 69,000 includes apartment complexes (The is the low end target #)

4. Resources purchased:
   a. Cases of water 82,992 (additional 16,056 donated)
   b. Filters 115,700
   c. Filter cartridges 243,200
   d. Test kits 61,161

5. Teams going out tomorrow:
   a. 5-6 State (6-9 personnel) type 3 teams - Goal tomorrow 300 homes per team
   b. 10 ARC (2-4 personnel) type 5 teams - Goal tomorrow 100 homes per team

- How was the amount of water in the supplemental determined:
  - 100,000 (population) X 2 gallons per day per person X 30 days X $1.25 gallon = $7.5 million.
- Burn Rates
  - Faucet Filters – 4,073
  - Water – 14,781
  - Replacement Filters – 2,430
  - Test Kits – 2,253

Lisabeth, Nicole (MSP)

From: Banner, Shanon (MSP)
Sent: Tuesday, January 19, 2016 3:16 PM
To: Lisabeth, Nicole (MSP)
Subject: FW: General Talking Points
Attachments: General Talking Points_011916.docx

From: JICManager
Sent: Tuesday, January 19, 2016 3:14 PM
To: Banner, Shanon (MSP)
Subject: General Talking Points

January 19, 2016

Flint Water Emergency Response
General Talking Points

NOT INTENDED TO BE DISSEMINATED TO THE MEDIA OR PUBLIC IN THIS FORMAT

Background

- On January 16, President Obama approved Governor Snyder's request for a federal emergency in Flint. This action will provide emergency relief in the form of bottled water, water filters, filter replacements, and water test kits. The period of assistance is up to 90 days.
    - Governor Snyder had also requested a major disaster declaration, which the President denied based on the legal requirement that under the Stafford Act disaster relief is available only for natural events, fires, floods, or explosions. The state is reviewing the process for appealing the disaster declaration denial.
- The State Emergency Operations Center in Lansing has been activated since January 5 and continues to be staffed seven days a week by members of state agencies and other partners to coordinate the state's response.

Current Status/Update

- The state continues to bring all state resources to bear to protect public health and safety. One of our most important messages and priorities continues to be making sure residents are aware of the information and free resources available to them, which include bottled water, water filters, replacement cartridges, water test kits.
- The one-stop shop for finding all these resources is by visiting www.michigan.gov/FlintWater or calling 2-1-1.
- Including today's anticipated activity, water response teams, who are going door-to-door, have distributed resources to nearly 7,000 Flint homes providing residents with free bottled water, filters, replacement cartridges, and water testing kits.

- More than 12,000 homes have been visited by the water response teams, which are a collaborative effort comprised of local and state personnel, American Red Cross personnel, and volunteers.

- The Michigan National Guard has been activated to assist with distribution efforts at the five water resource sites at fire stations in the city. Starting tomorrow, the number of National Guard members will be further increased to approximately 70 National Guard members handing out resources at the fire stations in the city.

- From January 9 - 16, the following resources have been distributed to residents, both at the water resource sites and by the water response teams:

    - Nearly 20,900 cases of water
    - Nearly 48,000 water filters
    - More than 3,300 water testing kits

- To help enhance the water testing process, Flint residents can now drop-off water samples to the five water resource sites at fire stations. Samples will only be accepted by using the official water testing kits provided at the water resource sites and by the water response teams.

- Water resource sites are open daily from 9 a.m. to 9 p.m. and are located at:

    Fire Station #1
    310 East 5th St.
    Flint, MI 48502

    Fire Station #3
    1525 Martin Luther King Ave.
    Flint, MI 48503

    Fire Station #5
    3402 Western Road
    Flint, MI 48506

    Fire Station #6
    716 West Pierson Road
    Flint, MI 48505

    Fire Station #8
    202 East Atherton Road
    Flint, MI 48507

Filters

- When used properly water filters remove 99% of lead in water. Residents are urged to use filtered water for drinking, food preparation, brushing teeth, and watering pets. Unfiltered water may be used for bathing and cleaning.

- One filter and one replacement cartridge are being provided per household initially. Each filter is good for approximately 100 gallons of water. The filter has an indicator on it that will turn from green to red when it needs to be replaced.

- The filters do have a five-year, non-replaceable battery that operates the indicator light.

- There is a detailed video posted on www.michigan.gov/flintwater that explains how to properly install a water filter cartridge.

Resources for homebound individuals

- 2-1-1 is collecting a list of individuals needing home delivery of water resources and is providing that information to the Genesee County Sheriff's Department, who is making these deliveries.

- The Plumbers and Pipefitters Union has agreed to provide free water filter installation to homebound residents needing assistance. This is being coordinated through 2-1-1.

Outside Support Efforts – Volunteers and Donations

- There has been great cooperation on the ground in Flint by many local agencies, from the city and county to churches and public, private, and non-profit groups to help with this effort.

- The American Red Cross, United Way, 2-1-1, and many other organizations have assisted with water resource distribution efforts and the donations management process.

- Volunteers and donations are being coordinated through 2-1-1, in cooperation with the American Red Cross. Persons/organizations wishing to donate 100 cases of water or less can be taken to the American Red Cross located at 1401 S. Grand Traverse in Flint.

- Volunteers can also report to the American Red Cross for processing.

- Volunteers are still needed to participate in water response teams going door-to-door handing out bottled water, filters, water testing kits and replacement

cartridges. Volunteers join teams of city, county and state personnel and members of the American Red Cross.

Material Donations

- Material and in-kind donations of cases of water bottles, gallon jugs and larger containers of water can be dropped off at the below locations.

- Donations of 100 cases or less:
  - Catholic Charities Center for Hope, 517 E. Fifth Ave, Flint
    Monday – Friday, 9 a.m. - 4 p.m.

  - Red Cross, 1401 Grand Traverse, Flint
    Saturday – Sunday, 9 a.m. - 4 p.m.

- Donations of 100 cases or more, pallets of water or donations in one semi-truck:
  - Food Bank of Eastern Michigan, 2300 Lapeer Rd., Flint
    Monday - Friday 8 a.m. - 4:30 p.m.

- For extra-large donations, such as multiple semi-trucks, delivery arrangements can be made by emailing Janet Hunter at hunterj8@michigan.gov.

- In-kind donations include labor to install filters and trucks to deliver materials. All in-kind donors should contact Janet Hunter at hunterj8@michigan.gov.

Financial Donations

- The United Way of Genesee County, Community Foundation of Greater Flint, Hurley Children's Hospital and the Greater Flint Health Coalition have created a fund that will address both the short-term and long-term needs of Flint residents.

- The Community Foundation is managing all financial donations and no administrative fee is assessed. Visit www.flintkids.org or call the United Way at 810-232-8121 or Community Foundation of Greater Flint at 810-767-8279 for more information.

Lisabeth, Nicole (MSP)

From: Brown, Jessica (GOV)
Sent: Tuesday, January 19, 2016 5:43 PM
To: Walsh, John (GOV); Hollins, Harvey (GOV); Etue, Kriste (MSP); Kelenske, Chris (MSP); Vadnais, Gregory (DMVA); Roberts, John (DTMB); Creagh, Keith (DEQ); Lyon, Nick (DHHS); Adler, Ari (GOV); Banner, Shanon (MSP); Lisabeth, Nicole (MSP); Humes, William R (DMVA); Weiss, Kurt (DTMB); Brown, Melanie (DEQ); Eisner, Jennifer (DHHS)
Cc: Heaton, Anna (GOV); Klotz, Josephine (MSP); Mason, Dace (DMVA); Minix, Connie (DTMB); Thelen, Mary Beth (DEQ); Grijalva, Nancy (DHHS)
Subject: *State of the State Talking Points*
Attachments: Director TPsV2.docx

Importance: High

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Hello Directors and PIOs,

Please find attached the final version of the 2016 State of the State talking points. Additional materials will be forthcoming. Apologies for the delay. Lots of last minute changes this year. Thank you for your help both today and every day.

Best,

Jessica M. Brown
Communications Representative
Executive Office of Michigan Governor Rick Snyder
O: 517-335-6397

Brownj53@michigan.gov

assistance for

- non-Stafford Act

- 2 FEMA Liaisons officers arriving today help w/ potential assistance

- will not meet criteria for Pres. Stafford Act? decl.

- emergency/disaster decl.
  - Some authority under both? → no

- decl process

- Free Press/Wash Post

NIMS
- local common priority standards

Gov, Stafford Acts
- only 2 mechanisms to reach end goal
- other resources available

- bringing state resources to bear still need more info before we determine if Stafford Act will be requested

- next steps
  - Gov decl
    - State wide coordination of event
    - streamline comm
  - get handle of where filters have been distributed, where are they needed
    - GIS map w/ locals, state
      - not duplicating efforts
  - bottle water needs
    - where is it stored currently
  - coordinate w/ local, state, nonprofits
- need to know water distribution process

- coordinate local, state action plans
- DC engaged from onset
- additional EMHSD staff deployed to local EOC to assist on Friday

- damage assessment of infrastructure

- call 211 - ~~water~~ filters

estilj

-Sound bites of media roundtable for website

-water

-corrosive -no

-elevated lead levels (not poisoning)

Kelenski

- 3:31 -SEOC activated
:48 tried/true
4:01

Yes

Commitment

4:13 -we know incident ppl
48

4:51 right now -state resources to be
5:08 -fed needs

5:23 right now - State resources
5:54 gaps
6:07 13 website
6:23 filters
6:30 Only key 2

6:50 GIS mapping
7:18-34 deploy EmHSD

7:36 Flint residents - were committed
7:48

8:00 - Wells
8:50 kids, parents
9:03 ~~opted~~
9:36 - as med ex
* 9:51 - 10:33 water filters
* 10:34 - 11:20 - kid screening
12:03 - good nutrition

12:34 - need to identify kids to test
working w/ partners, locals

15 questions

16:50 - case managers visiting homes
17:45 syncing info
19:41 - kids see primary dr.

- Kending?
29:55 - ded process
30:46

~~FUHSD~~

Emhsd * 1215

~~[illegible]~~

shaw

Erik -DEQ → Shawe2

→ upload to YouTube

→ names w/ titles

Kelenske quote * 4:04 - 4:19

~~Wells 1:15~~ - 1:33

~~1:34~~ - edit "on hold"

1:32 - 1:47

* need better intro

→ cut first 20 seconds

- start w/ "the process..."

-talking points-partners, JIC
-JIC move | operation schedule | staff
-PIO contacts - locals -staffing
- legislative briefing -2p.m. -TPs?
-website
-handout | fact sheet for partners | citizens

-donation management
-volunteers

- water distribution - Jen
- filter distribution - 4 locations

→ Lt. Roach - sheriff handout → Gcard

→ Angela
- needs TPs
- Gov PIO email?

1/8

Legislative/Congressional call

Capt. Chris Kelenske, USP
- Deputy Director of EM HS

Dr. Eden Wells w/ Dept. Health & Human
- Chief Medical Executive

- 2 FEMA Liaison officers arrived today
- GIS staff deployed today
- We've been asking for water distribution locations
  - concerns - water not being distributed to sites
  - mayor allowing us to use fire stations as water/filtration sites → COB plans

* michigan.gov/flintwater
211 - public inquiry - resources, transportation

- pregnant women screening important

JIC # - 888-363-8632

1/8

Questions

Sheldon - rep w/ Flint - Rep Neely

- clarify we're working w/ locals to determine distribution sites - not confirmed yet. fire
→ Community centers partner with
- Senator
Jim [redacted] Annanich
- Walmart, Comcast outreach for distribution support
* - how can ppl/orgs donate goods and volunteer?
→ We're working on official donation management system - United Way?
→ working to establish door-to-door next week
* want handout
- talking points *
- reference sheet

tomorrow meeting Rep. Neely

~~Sat.~~

Bethel United Church 2pm - Rep. Neely
Ballenger Rd
- ppl from Detroit coming
- info sheet from Dr. Wells
- filters, water will be available

Rep Phelps -9th District

Andy Leavitt -Chief Staff -Anarich
-Who uses MICIMS?
→ emergency mngt personnel statewide
-internal, not public info
-Any programs outside of CHAP that ~~need to~~ are new that should be shared? → Dr. Wells
* → health provider meeting -biweekly
→ Starting soon
→ met w/ MDE to increase education for children in need
→ trust issue w/ families allowing officials in homes for testing, lead source

Rep
Bentley Johnson w/ Peters' office
→ comm w/ fed agencies for resources
are we getting necessary info from feds?
* → Dr. Wells -we need more water samples
Capt -we're mapping infrastructure then tie in water samples
↳ DEQ working on test samples
↳ capacity is testing 400 daily

Carson w/
Kildee office
- are there enough resources, what do we need?
→ Capt. we have not been told water filters is needed → need to coordinate efficiently
- Kildee - concerned - how do we get ppl to distribute water
- Capt. 4 teams on ground by Tuesday

Rep Neeley
- recommend to work w/ pastors to distribute water filters on Sundays

- door hanger - Christie Monday
  - specs for door hanger w/ DTMB
    - size
    - 2-sided b/w
- SEOC JIC Liaison → PIO
- Legislative Liaison
- Harvey daily briefings
- one-page handout - instructions → update
- news release - distribution sites
- talking points -

- Staff JIC - Mon-Fri JIC → Flint
  - hours
  - staff - graphics person
- PSA
- 211 issues → prompt
- on site media interviews - Harvey, Kaiser
- Mel, MDHHS, Tiff - Sat

→ Sat PIO work 8a-5p
- Sun - no

- JIC email accounts
- GovDelivery topic

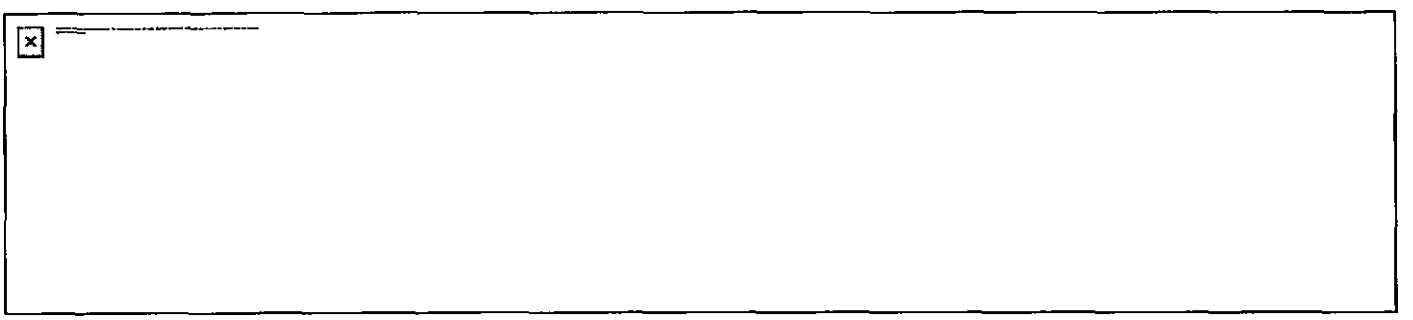
- Mel, DEQ
- Nicole, MSP
- Jen, DHHS
- Sierra, MSP
- Tiff, MSP
- Ron, MSP
- Meegan, GOV
- Trevor, EMHSP
- ~~Sesson~~, LARA

- as locals make requests
- personnel
  - GIS
- working w/ locals to secure

Lisabeth, Nicole (MSP)

From: GOV Newsroom <govnewsroom@govsubscriptions.michigan.gov>
Sent: Tuesday, January 05, 2016 4:28 PM
To: Lisabeth, Nicole (MSP)
Subject: NEWS RELEASE: Gov. Snyder declares emergency for Genesee County

Categories: Policy



Contacts: Dave Murray, Laura Biehl, or Anna Heaton

517-335-6397

FOR IMMEDIATE RELEASE
Tuesday, Jan. 5, 2016

Editor's note: A copy of the official declaration is available at the link below.

Gov. Snyder declares emergency for Genesee County

State Emergency Operations Center activated to assist with relief efforts

LANSING, Mich. – Gov. Rick Snyder today declared a state of emergency for Genesee County due to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

By declaring a state of emergency, Snyder has made available all state resources in cooperation with local response and recovery operations. The declaration authorizes the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) to coordinate state efforts.

"The health and welfare of Flint residents is a top priority and we're committed to a coordinated approach with resources from state agencies to address all aspects of this situation," Snyder said. "Working in full partnership with the Flint Water Advisory Task Force, all levels of government and water quality experts, we will find both short-term and long-term solutions to ensure the health and safety of Flint residents."

In addition to the emergency declaration, Snyder activated the State Emergency Operations Center to coordinate state response and recovery activities. State agencies will report to the center to coordinate resources, assess the situation and begin providing assets to assist with local relief operations.

"Our staff recognizes the urgency of this situation and is already working closely with local officials," said Capt. Chris A. Kelenske, Deputy State Director of Emergency Management and Homeland Security and commander of the MSP/EMHSD. "We will continue to collaborate with state, city and county leaders to coordinate relief efforts, streamline communication and use all available resources to help residents."

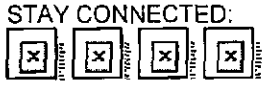
On Jan. 4, Genesee County declared a "local state of emergency," which activated local emergency response and recovery plans. By requesting a governor's declaration, the county has determined local resources are insufficient to address the situation and state assistance is required to protect public health, safety and property to lessen or avert the threat of a crisis.

The city of Flint has been under a local emergency declaration since Dec. 14, 2015.

The SEOC is the emergency operations center for the state of Michigan. Located in Lansing, the center is overseen by the MSP/EMHSD and coordinates response and recovery efforts by state agencies and local government. The SEOC is staffed by members of state agencies and other partners for decision making and information coordination during disasters or emergencies in the state of Michigan.

#

STAY CONNECTED:



This email was sent to lisabethn@michigan.gov on behalf of: The Executive Office of the Governor · 111 South Capitol Avenue · Lansing, MI 48909 · 517-335-7858

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Tuesday, January 05, 2016 10:44 PM
To: Banner, Shanon (MSP); Lisabeth, Nicole (MSP); Brown, Tiffany (MSP); Medrano, Sierra (MSP); Kaiser, David (MSP); Shaw, Michael (MSP); Barker, David (MSP)
Cc: MSP-Internal-Comm
Subject: NEWS RELEASE: Gov. Snyder declares emergency for Genesee County
Attachments: GOV001 - Gov Snyder declares emergency for Genesee County - 2016.01.05.pdf

Categories: *Policy*

MSP Comms Team,

The following news release was issued today from the Governor's Office. Most of you have probably received it, but I thought I would pass it along anyway.

Thanks,

Ron

Ron Leix
Public Information Officer (PIO)
Emergency Management
and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517) 336-6464

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Governor Rick Snyder
REINVENTING MICHIGAN
Getting It Right. Getting It Done.

News Release

Contacts: Dave Murray, Laura Biehl, or Anna Heaton

517-335-6397

FOR IMMEDIATE RELEASE
Tuesday, Jan. 5, 2016

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#

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Wednesday, January 06, 2016 7:19 PM
To: Banner, Shanon (MSP); Lisabeth, Nicole (MSP); Brown, Tiffany (MSP); Medrano, Sierra (MSP); Barker, David (MSP); Kaiser, David (MSP); Shaw, Michael (MSP)
Subject: FW: NEWS RELEASE: State of Michigan Joint Information Center Now Operational
Attachments: JIC001 - State of Michigan Joint Information Center Now Operational - 2016.01.06.pdf

MSP Comms Team,

The following news release was issued this afternoon.

Thanks,

Ron

Ron Leix
Public Information Officer (PIO)
Emergency Management
and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517) 336-6464
Cell: (517)

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

From: MSP-EMHSD-NEWS
Sent: Wednesday, January 06, 2016 5:05 PM
To: MSP-EMHSD-NEWS
Subject: NEWS RELEASE: State of Michigan Joint Information Center Now Operational

State of Michigan Joint Information Center Now Operational

FOR IMMEDIATE RELEASE
January 6, 2016; 4:50 p.m.
Release #: 01
For more information contact: Joint Information Center: 888-EMD-TODAY (888-363-8632)

LANSING, Mich. – Today the State of Michigan launched its Joint Information Center (JIC) to coordinate public information from the State Emergency Operations Center, set up to help with health and safety issues caused by lead in the city of Flint's drinking water. The emergency operations center was activated after Gov. Rick Snyder declared a state of emergency for Genesee County on Jan. 5.

Public information and updates, including resources for residents such as how to obtain free water filters and lead testing, are available at www.michigan.gov/FlintWater.

The JIC will serve as the state's central communications hub for this emergency and is staffed by public information officers (PIO) from several state agencies. Hours of operation will be 9 a.m. – 5 p.m., Monday – Friday, until further notice.

It is operating out of the Michigan State Police Emergency Management and Homeland Security Division in Lansing. State officials have been in contact with Flint and Genesee County officials to move the JIC to the city of Flint to better partner and coordinate with local agencies.

The declaration makes available all state resources in cooperation with local response and recovery operations.

Genesee County declared a "local state of emergency" on Jan. 4, activating local emergency response and recovery plans. By requesting a governor's declaration, the county has determined local resources are insufficient to address the situation and state assistance is required to protect public health, safety and property to lessen or avert the threat of a crisis.

The city of Flint has been under a local emergency declaration since Dec. 14, 2015.

###

NOTE: ALL MEDIA INQUIRIES ARE BEING HANDLED BY THE JOINT INFORMATION CENTER AT 888-EMD-TODAY (888-363-8632).

STATE OF MICHIGAN
JOINT INFORMATION CENTER

NEWS RELEASE

FOR IMMEDIATE RELEASE
January 6, 2016; 4:50 p.m.
Release #: 01

For more information contact:
Joint Information Center
888-EMD-TODAY (888-363-8632)

State of Michigan Joint Information Center Now Operational

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NOTE: ALL MEDIA INQUIRIES ARE BEING HANDLED BY THE JOINT INFORMATION CENTER AT 888-EMD-TODAY (888-363-8632).

Lisabeth, Nicole (MSP)

From: Lisabeth, Nicole (MSP)
Sent: Thursday, January 07, 2016 9:02 AM
To: Lisabeth, Nicole (MSP)
Subject: JIC
Attachments: SEOC overview 8.19.11.doc; Talking points Emergency facilities- SEOC_JIC 042809.doc; Activated Emergency facilities- SEOC_JIC 061609.doc; Disaster Declaration Process 2012.doc

Nicole Lisabeth
Deputy Manager, Public Affairs Section
Office of the Director
Michigan State Police
Office: 517-241-0357

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

We're on social media! Find all the ways you can connect with us at www.mi.gov/mspconnect.

Michigan's State Emergency Operations Center (SEOC)

In the event of an emergency or disaster, response and recovery efforts may require resources and assistance from multiple state agencies. Depending on the situation, the State Emergency Operations Center (SEOC) may be activated to facilitate the coordination of all state agency activities and resources ensuring an effective and efficient state response. The Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) is responsible for overseeing the SEOC. During activation, the SEOC is typically staffed by members of the MSP/EMHSD, state agencies, nonprofit organizations, as well as other entities that may be involved in the situation.

Governor Jennifer M. Granholm today announced that the state has partially activated the state's Emergency Operations Center (SEOC) and the Joint Information Center (JIC) in its efforts to protect citizens and provide information on the human outbreak of swine flu being reported around the country.

Our primary focus remains ensuring public health and safety by providing the public with the most up-to-date information and precautionary measures.

State Emergency Operations Center

- *The SEOC is partially activated as a precautionary effort to ensure a collaborative* response to any future swine flu cases.
- The SEOC is partially activated, rather that a full activation, because there is not a Governor's emergency declaration and no anticipation for a Governor's declaration.
- The State Emergency Operations Center is staffed by members of several state agencies to monitor the ongoing situation with local, state and federal agencies.
- The SEOC coordinates response and recovery efforts of state agencies and local government.
- The Michigan Department of State Police, Emergency Management and Homeland Security Division oversees the SEOC.
- The last full-activation of the SEOC was following the blackouts in 2003.
- The SEOC was partially activated and the Joint Information Center was fully operational in response to the Influenza A (H1N1) outbreak in April and May, 2009.

Joint Information Center

- The purpose of the Joint Information Center is to serve as the state's central communications hub.
- The JIC is staffed by public information officers from the various state agencies.
- JIC staff are responsible for gathering, monitoring and disseminating information to keep the public aware of any and all developments relating to the outbreak.

There are common-sense steps everyone can take right now to avoid spreading any type of influenza, including:

- *Avoid close contact with people who are coughing or otherwise appear ill.*
- Avoid touching your eyes, nose and mouth.
- Wash hands frequently to lessen the spread of respiratory illness.
- As always, people with respiratory illness should stay home from work or school to avoid transmitting infections, including influenza, to others in the community.
- People experiencing severe symptoms, including cough, fever, fatigue, sore throat, chills, headaches, body aches, along with possible diarrhea and vomiting, should contact their physician.

Governor Jennifer M. Granholm today announced that the state has partially activated the state's Emergency Operations Center (SEOC) and the Joint Information Center (JIC) in its efforts to protect citizens and provide information on the human outbreak of swine flu being reported around the country.

Our primary focus remains ensuring public health and safety by providing the public with the most up-to-date information and precautionary measures.

State Emergency Operations Center

- The SEOC is partially activated as a precautionary effort to ensure a collaborative response to any future swine flu cases.
- The SEOC is partially activated, rather that a full activation, because there is not a Governor's emergency declaration and no anticipation for a Governor's declaration.
- The State Emergency Operations Center is staffed by members of several state agencies to monitor the ongoing situation with local, state and federal agencies.
- The SEOC coordinates response and recovery efforts of state agencies and local government.
- The Michigan Department of State Police, Emergency Management and Homeland Security Division oversees the SEOC.
- The last full-activation of the SEOC was following the blackouts in 2003.
- The SEOC was partially activated and the Joint Information Center was fully operational in response to the Influenza A (H1N1) outbreak in April and May, 2009.

Joint Information Center

- The purpose of the Joint Information Center is to serve as the state's central communications hub.
- The JIC is staffed by public information officers from the various state agencies.
- JIC staff are responsible for gathering, monitoring and disseminating information to keep the public aware of any and all developments relating to the outbreak.

There are common-sense steps everyone can take right now to avoid spreading any type of influenza, including:

- Avoid close contact with people who are coughing or otherwise appear ill.
- Avoid touching your eyes, nose and mouth.
- Wash hands frequently to lessen the spread of respiratory illness.
- As always, people with respiratory illness should stay home from work or school to avoid transmitting infections, including influenza, to others in the community.
- People experiencing severe symptoms, including cough, fever, fatigue, sore throat, chills, headaches, body aches, along with possible diarrhea and vomiting, should contact their physician.

April 2012

Talking Points

Disaster Declaration Process

NOT INTENDED TO BE DISSEMINATED
TO THE MEDIA OR PUBLIC IN THIS FORMAT

Information to be used only if receiving media inquiries

Local Declaration

- Immediately following an emergency situation, local jurisdictions are charged with conducting damage assessments and providing the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) with notification of the nature and extent of damage and response costs within the affected areas.
- Throughout the assessment process, local jurisdictions work closely with MSP/EMHSD district coordinators to determine if immediate state assistance is needed.
- A local jurisdiction may declare a "state of emergency" exists when they have sustained widespread or severe damage, injury or loss of life or property.
- A local declaration ensures the response and recovery aspects of the emergency operations plan have been activated, and local resources are being utilized to the fullest extent possible.

Governor's Declaration

- Local jurisdictions may submit a request for a state of emergency or disaster under Public Act 390 when the situation is beyond the capability and control of local government affecting public health and safety.
- A state of disaster or emergency declaration is designed to provide, in accordance with the Michigan Emergency Management Plan, state assistance in the form of personnel, supplies, equipment, and materials.
- The MSP/EMHSD reviews requests for state assistance and provides recommendations to the Governor's Office.
- The Governor may mobilize state resources to provide the necessary assistance and support to local authorities.
- The Governor can declare a state of emergency or disaster to provide a local jurisdiction with state assistance in the form of personnel, supplies, equipment, materials, or monetary support.

Section 19 of Public Act 390

- Section 30.419 (Section 19) provides reimbursement for public damage and direct loss from the disaster or emergency and cannot be applied to private damage incurred by home or business owners.
- Under extraordinary circumstances, the Governor may provide one-time funding to a county or municipality of up to $30,000 or 10 percent of the total annual operating budget for the preceding fiscal year of the county or municipality in state assistance when federal assistance is not available.
- However, this is only done "if the demands upon the funds of a county or municipality in coping with a particular disaster or emergency are unreasonably great" and that there is a demonstrated exhaustion of local effort.

Disaster Contingency Fund

- In May 2011, the Legislature appropriated $750,000 to the state's disaster contingency fund to assist with local response efforts, of which $250,000 was earmarked for response efforts to the Calhoun County severe weather event on May 29, 2011.
- As of April 2012, there is **$519,908.67 in remaining funds** available for Fiscal Year 2012.
- After each fiscal year, a request will be submitted to the Legislature asking that any remaining funds allocated to the disaster contingency fund be rolled into the next budget year so state funding remains available for future emergencies.

Preliminary Damage Assessment

- At the request of the Governor, the Federal Emergency Management Agency (FEMA) may conduct a Preliminary Damage Assessment (PDA), in cooperation with state and local emergency management officials.
- The purpose of the PDA is to tour the damaged areas and review the damage as it relates to federal assistance. FEMA members are onsite to answer any questions state and local officials may have about eligible damage.
- The information collected during the PDA is reviewed by state officials and the Governor's Office and is used as a basis for determining whether to request federal disaster assistance.
- A PDA team is comprised of personnel from FEMA, MSP/EMHSD, county and local officials, and the U.S. Small Business Administration (SBA).

Federal Disaster Declaration

- After consulting with local government officials, a Governor may determine that recovery efforts appear to be beyond the combined resources of both the state and local governments and that federal assistance may be needed.
- In the event state and local government resources are unable to cope with the situation, the Governor may request federal assistance through the regional office of FEMA.
- The Governor can use information collected during the PDA to support the request for a presidential declaration and to certify the damage is beyond state and local capabilities.
- Should the state request Federal Disaster Assistance, FEMA will review the request and make a recommendation to the President, who will make the final determination on any disaster aid to be provided to the state.

Lisabeth, Nicole (MSP)

From:	Banner, Shanon (MSP)
Sent:	Thursday, January 07, 2016 10:27 AM
To:	*Banner, Shanon (MSP); Holton, Jennifer (MDARD); Moon, Jason (LARA);* Tommasulo, Karen (DEQ); Lisabeth, Nicole (MSP); Minicuci, Angela (DHHS); Leix, Ron (MSP); Brown, Tiffany (MSP); Kaiser, David (MSP)
Subject:	Media Advisory

SUBJECT: SEOC Media Roundtable and Tour

Good morning:

Today at 1 p.m. the State Emergency Operations Center (SEOC) will hold a media roundtable to discuss the emergency declaration process and the next steps in responding to the drinking water health and safety issues in Flint. SEOC Director Capt. Chris Kelenske will be joined by MDHHS Chief Medical Executive Eden Wells to explain the role of the state in emergency response efforts. Immediately following the discussion, MSP personnel will lead media on a tour of the SEOC facility.

Location:

State Emergency Operations Center

4000 Collins Road

Lansing, MI 48910

If you are interested in participating in the media roundtable, but are unable to attend in person, a media conference line will be available.

Dial:

Access [redacted]

Thank you,

State of Michigan

Joint Information Center

1-888-EMD-TODAY

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Lisabeth, Nicole (MSP)

From: Eisner, Jennifer (DHHS)
Sent: Thursday, January 07, 2016 12:32 PM
To: Lisabeth, Nicole (MSP)
Subject: tp to print
Attachments: Doctor Wells.docx

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov

Doctor Wells – 1 p.m. Event

- The governor has declared a state of emergency so the people of Flint can benefit from every available state resource.
- When we talk about the effects of Flint water, we are really talking about children, parents and families, and we need to work together to do everything we can.
- So now, as a state – and personally as the state's Chief Medical Executive – we're here to make sure all of the health interests of the people of Flint are being addressed in both the short and long terms.
- In the short term, we are focused on water filters and getting good information into the hands of Flint residents.
    - All households should be using filters
    - All children under the age of six should be tested for Elevated Blood Lead Levels.
    - We should focus on good nutrition: foods rich in calcium, iron, and well-balanced meals.
- Currently, we're determining which households in the city have filters in order to reach any household who doesn't have one.
- Anyone who has a question about how to obtain a free water filter should call 2-1-1 or check the Flint Water website at www.michigan.gov/flintwater.
- Michigan Health and Human Services and the Genesee County Health Department are enhancing blood lead testing and surveillance – we're working closely with local Flint primary care providers and our WIC clinics to ensure that every child under the age of six year of age has had a blood lead test.
- And this key: this is community and statewide response effort.
- We are also working closely educational and medical experts to develop programs to address the longterm support for children who may have been exposed.

Lisabeth, Nicole (MSP)

From: Eisner, Jennifer (DHHS)
Sent: Thursday, January 07, 2016 12:39 PM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: Flint Briefing 06Jan16
Attachments: image001.jpg; ATT00001.htm; 2016-01-06 - Flint Lead MDHHS Sitrep.pdf; ATT00002.htm

Hi! Can you print off the attached as well?

Sent from my iPhone

Begin forwarded message:

> **From:** "Bouters, Janese (DHHS)" <BoutersJ@michigan.gov>
> **Date:** January 7, 2016 at 12:26:40 PM EST
> **To:** "Anderson, Paula (DHHS)" <AndersonP3@michigan.gov>, "Barr, Jacqui (DHHS)" <BarrJ3@michigan.gov>, "Becker, Timothy (DHHS)" <beckert1@michigan.gov>, "Bruneau, Michelle (DHHS)" <BruneauM@michigan.gov>, "CDevriendt@co.genesee.mi.us" <CDevriendt@co.genesee.mi.us>, "Colston, Leslie (DHHS)" <ColstonL@michigan.gov>, "DeMyers, Deborah (DHHS)" <DeMyersD@michigan.gov>, "Dykema, Linda D. (DHHS)" <DykemaL@michigan.gov>, "Edwards, Cynthia (DHHS)" <EdwardsC@michigan.gov>, "Eggleston, Debbie (DHHS)" <egglestond@michigan.gov>, "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>, "Granger, Patricia (DHHS)" <GrangerP@michigan.gov>, "Grijalva, Nancy (DHHS)" <GrijalvaN@michigan.gov>, "Groetsch, Kory J. (DHHS)" <GroetschK@michigan.gov>, "Harvey, Janice (DHHS)" <HarveyJ1@michigan.gov>, "Hertel, Elizabeth (DHHS)" <HertelE@michigan.gov>, "Kaiser Van Dam, Paula (DHHS)" <KaiserP@michigan.gov>, "Lasher, Geralyn (DHHS)" <lasherg@michigan.gov>, "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>, "McKane, Patricia (DHHS)" <McKaneP@michigan.gov>, "Miller, Corinne (DHHS)" <MillerC39@michigan.gov>, "Miller, Mark (DHHS)" <millerm1@michigan.gov>, "Minicuci, Angela (DHHS)" <MinicuciA@michigan.gov>, "Moran, Susan (DHHS)" <MoranS@michigan.gov>, "MVALACAK@gchd.us" <MVALACAK@gchd.us>, "Peeler, Nancy (DHHS)" <PeelerN@michigan.gov>, "Priem, Wesley F. (DHHS)" <priemw@michigan.gov>, "Priest, Chris (DHHS)" <PriestC1@michigan.gov>, "Ridley, Nancy (DHHS)" <RidleyN@michigan.gov>, "Robinson, Mikelle (DHHS)" <RobinsonM18@michigan.gov>, "Rockefeller, Cheryl (DHHS)" <RockefellerC@michigan.gov>, "Scott, Jackie (DHHS)" <ScottJ14@michigan.gov>, "Shah, Sandip (DHHS)" <shahs@michigan.gov>, "Sims, Teri (DHHS)" <SimsT2@michigan.gov>, "Stanbury, Martha (DHHS)" <stanburym@michigan.gov>, "Stiffler, Kathleen A. (DHHS)" <StifflerK@michigan.gov>, "Taylor, Kerri (DHHS)" <TaylorK10@michigan.gov>, "Thompson, Sheryl D. (DHHS)" <ThompsonS2@michigan.gov>, "Titus, Laura (DHHS)" <TitusL@michigan.gov>, "tlarocco@gchd.us" <tlarocco@gchd.us>, "Travis, Rashmi (DHHS)" <TravisR@michigan.gov>, "Turner, Jane (DHHS)" <TurnerJ1@michigan.gov>, "Weber, Thomas (MSP)" <WeberT1@michigan.gov>, "Wells, Eden (DHHS)" <WellsE3@michigan.gov>
> **Subject: Flint Briefing 06Jan16**
>
> *Sending on behalf of the PHCSA:*
>
> Attached is the MDHHS daily situation report for the Flint water lead project.
>
> Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

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Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 6, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/6/2016
  - 20 families contacted
  - 13 EBL investigations completed.
  - 11 Water sampling completed.
  - 6 EBL Reports Received.
    - 4 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 6 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
  - *6 investigations scheduled.*
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.
- HHS staff will accompany contractors on investigations to confirm compliance with protocols. Scheduled for 1/6/16.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- Families that have moved to other counties
  - **GCHD forwarded a list of 40 families they were unable to contact: CLPPP staff identified updated contact information for 39 of the 40 families and forwarded that information to GCHD on 1/5/16.**
  - **GCHD have already identified a family that has relocated to Ingham County, and another that relocated to Florida. Nancy has reached out to Mark Miller to initiate contact with Ingham for follow-up with that family.**
- CM report through 12/31/15:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 109 (0-5 year olds) and 6 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: 23 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- MDHHS IRB approved Dr. Hanna-Attisha's research project.
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

Filter Distribution 10/1/15 to 1/6/15			
	Received	Distributed	Remaining
Water Filters	15,000	11,587	3,413
Water Pitchers	720	251	469
Replacement Cartridges - Brita	9,000	1,704	7,296
Replacement Cartridges – PUR*	5,706	33	5,603
Replacement Cartridges - Zero	375	8	367

*The PUR replacement cartridges are being made available in all locations for the convenience of residents. Once the PUR cartridges are exhausted and more are needed DHHS will purchase additional ones. The current supply was given to DHHS and GCCARD by United Way.

Communications/Information Sharing – *Linda Dykema, Eden Wells*

- GCHD (Jim Henry) is working with Flint residential child care facility to further evaluate lead levels in tap water. All current residents are > 6 years of age and have had venous blood tests: the highest was 2.3 mg/dL, most were <0.5 mg/dL.

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- **The State Emergency Operations Center (SEOC) opened a Joint Information Center (JIC). Angela Minicuci is the primary HHS contact to the JIC. All public information documents related to the Flint water response must be routed for approval through the JIC.**
- Provided final/updated versions of the final documents to Angela Minicuci for posting on the MDEQ website (MB)
    - Phosphate Fact Sheet
    - How to Clean your Aerator Fact Sheet
    - Hey Flint, It's Safe to Wash poster (update)
- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Pending: Filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)
- Pending: Lead and Nutrition fact sheet and Flint Parent Letter revisions.

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- **Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model**
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.
- Reviewing copper drinking water action level.

WIC

- *No updates.*

Healthcare/Providers

- Medical Services Administration: Letter L 15-73, dated December 30, 2015, Blood Lead Guidelines to Address the City of Flint Residents' Potential Exposure to Lead, was sent to Practitioners, Clinics, Laboratories and Maternal Infant Health Program (MIHP) Providers in the City of Flint.

DEQ Information - *Linda Dykema as Liaison*

- The DEQ laboratory will notify HHS (Linda Dykema) of water sampling results > 100 ppb to allow for immediate public health actions to interdict exposure to high lead levels in Flint drinking water. Notification will only be provided for results from the free water testing offered by the city, not the public schools where taps have been taken out of use.
- DEQ has completed water sampling at 10 Flint Public School facilities. 3 reports are completed and posted. 10 private schools and/or day care centers are on the waiting list. DEQ filmed sampling and will post the completed video on their web page as a demonstration of the intensity and completeness of the plumbing evaluation and water sampling efforts.
- The DEQ reported lead water levels of 213 and 2,516 ppb in a residential Flint child care facility. DEQ contacted the facility on 12/30/15 and instructed them not to use those taps for drinking water consumption.

Lisabeth, Nicole (MSP)

From: Shaw, Eric (DEQ)
Sent: Thursday, January 07, 2016 4:29 PM
To: Lisabeth, Nicole (MSP)
Subject: Re: YouTube Login

I'm editing now and your first edit request is tough. If I cut his stumble out, his comment starts in the middle of a sentence and doesn't sound right. I'm willing to do it but I wanted to let you decide.

Sent from my iPhone

> On Jan 7, 2016, at 4:03 PM, Lisabeth, Nicole (MSP) <LisabethN@michigan.gov> wrote:
>
> Erik,
>
> As discussed, the login for the YouTube channel is included in the below email. If you upload the videos as private, we can view them and will add the description for the videos.
>
> The titles should be:
>
> Capt. Chris Kelenske, Michigan State Police Emergency Management &
> Homeland Security Division Dr. Eden Wells, Chief Medical Executive,
> Michigan Department of Health & Human Services
>
> Let me know if you have any questions. Thank you very much for your help!
>
> -Nicole
>
> Nicole Lisabeth
> Deputy Manager, Public Affairs Section Office of the Director Michigan
> State Police
> Cell: (517) 242-3810
>
> A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and
> COURTESY
>
> _____
> From: Leix, Ron (MSP)
> Sent: Thursday, January 07, 2016 3:52 PM
> To: Lisabeth, Nicole (MSP)
> Subject: YouTube Login
>
> YouTube –
> Username/Email: msp-emhsd-news@michigan.gov
> Password: emhsd_PIO1
>
>
>
> Ron Leix
> Public Information Officer (PIO)
> Emergency Management
> and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> TX: (517) 336-6464
>

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Lisabeth, Nicole (MSP)

From: Shaw, Eric (DEQ)
Sent: Thursday, January 07, 2016 5:57 PM
To: Lisabeth, Nicole (MSP); Brown, Melanie (DEQ)
Subject: RE: YouTube Login

Here are the links to those videos.

Capt Kelenske
https://youtu.be/fYQz1UNR5HQ

Dr. Wells
https://youtu.be/jbvR6BdiWpc

Closing Comment
https://youtu.be/X19qUjHIK4A

Eric Shaw
Digital Media and Web Content Manager
Michigan Department of Environmental Quality
Office: 517.284.6726

Shawe2@michigan.gov

-----Original Message-----
From: Lisabeth, Nicole (MSP)
Sent: Thursday, January 07, 2016 4:38 PM
To: Shaw, Eric (DEQ)
Subject: Re: YouTube Login

Maybe start when Kelenske says thanks for coming before the stumble? I'll trust your judgment. We just started a briefing so I can't look at it too closely. Thanks!

-Nicole
Sent from my iPhone

> On Jan 7, 2016, at 4:29 PM, "Shaw, Eric (DEQ)" <ShawE2@michigan.gov> wrote:
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Lisabeth, Nicole (MSP)

From: Shaw, Eric (DEQ)
Sent: *Thursday, January 07, 2016 6:31 PM*
To: Lisabeth, Nicole (MSP)
Subject: Re: YouTube Login

Yes, I can make those changes. Do you want those changes tonight or will early tomorrow morning work?

Sent from my iPhone

> On Jan 7, 2016, at 6:22 PM, Lisabeth, Nicole (MSP) <LisabethN@michigan.gov> wrote:
>
> Hi Eric,
>
> Thank you for editing these! We reviewed them and have a couple changes, if possible.
>
> For the lengthy Captain Kelenske video, is it possible to remove the first 20 seconds and start with his statement "The process..." He pauses just before this statement so hopefully this will work and it removes the stumble portion.
>
> For Dr. Wells' video, is it possible to edit out the portion 1:32-1:47 (or around there) to remove the issue with the call on hold? Maybe a brief fade to help transition?
>
> No changes to the closing statement.
>
> -Nicole
>
> _____
> From: Shaw, Eric (DEQ)
> Sent: Thursday, January 07, 2016 5:57 PM
> To: Lisabeth, Nicole (MSP); Brown, Melanie (DEQ)
> Subject: RE: YouTube Login
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> Here are the links to those videos.
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> https://youtu.be/fYQz1UNR5HQ
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> Dr. Wells
> https://youtu.be/jbvR6BdiWpc
>
> Closing Comment
> https://youtu.be/X19qUjHIK4A
>
>
> Eric Shaw
> Digital Media and Web Content Manager
> Michigan Department of Environmental Quality
> Office: 517.284.6726
>
> Shawe2@michigan.gov
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>>> Nicole Lisabeth
>>> Deputy Manager, Public Affairs Section Office of the Director
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Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 8:15 AM
To: Banner, Shanon (MSP); Lisabeth, Nicole (MSP)
Subject: FW: Flint legislator call

FYI

Ron Leix
Public Information Officer (PIO)
Emergency Management
and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517) 336-6464

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Fitzgerald, Timothy (MSP)
Sent: Friday, January 08, 2016 8:12 AM
To: *Covey, Gabriel (MSP)*
Cc: Leix, Ron (MSP)
Subject: Flint legislator call

Good Morning,

The conference call to update legislators on the progress being made to address the Flint city water issue is set today at 2pm.

Sen. Jim Ananich, Rep. Sheldon Neeley, and Rep. Phil Phelps have all indicated they will be on the call. Also Darin Ackerman & Michelle Lange from the Governor's legislative staff have asked to be on the call as well.

Sgt. Timothy Fitzgerald
Legislative Liaison
Legislative and Legal Resources Section
Office of the Director
Michigan State Police
Office 517-241-0384

"A Proud tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Lisabeth, Nicole (MSP)

From: Banner, Shanon (MSP)
Sent: Friday, January 08, 2016 8:20 AM
To: Leix, Ron (MSP)
Cc: Lisabeth, Nicole (MSP)
Subject: Re: Flint legislator call

You might want to see if Rob Blackwell or anyone else from the DC office also wants to listen in. You might save some time by including them.

Sent from my iPhone

On Jan 8, 2016, at 8:15 AM, Leix, Ron (MSP) <LeixR@michigan.gov> wrote:

> FYI
>
> Ron Leix
> Public Information Officer (PIO)
> Emergency Management
> and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> TX: (517) 336-6464
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> ---
>
> **From:** Fitzgerald, Timothy (MSP)
> **Sent:** Friday, January 08, 2016 8:12 AM
> **To:** Covey, Gabriel (MSP)
> **Cc:** Leix, Ron (MSP)
> **Subject:** Flint legislator call
>
> Good Morning,
>
> The conference call to update legislators on the progress being made to address the Flint city water issue is set today at 2pm.
>
> Sen. Jim Ananich, Rep. Sheldon Neeley, and Rep. Phil Phelps have all indicated they will be on the call. Also Darin Ackerman & Michelle Lange from the Governor's legislative staff have asked to be on the call as well.
>
> Sgt. Timothy Fitzgerald
> Legislative Liaison
> Legislative and Legal Resources Section
> Office of the Director
> Michigan State Police

"A Proud tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

RETAIN THIS IMAGE
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RETAIN THIS IMAGE

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 9:26 AM
To: Lisabeth, Nicole (MSP)
Cc: Covey, Gabriel (MSP)
Subject: Fwd: Flint legislator call

Sent from my iPhone

Begin forwarded message:

> **From:** "Fitzgerald, Timothy (MSP)" <fitzgeraldt@michigan.gov>
> **Date:** January 8, 2016 at 8:12:08 AM EST
> **To:** "Covey, Gabriel (MSP)" <coveyg@michigan.gov>
> **Cc:** "Leix, Ron (MSP)" <LeixR@michigan.gov>
> **Subject: Flint legislator call**
>
> Good Morning,
>
> The conference call to update legislators on the progress being made to address the Flint city water issue is set today at 2pm.
>
> Sen. Jim Ananich, Rep. Sheldon Neeley, and Rep. Phil Phelps have all indicated they will be on the call. Also Darin Ackerman & Michelle Lange from the Governor's legislative staff have asked to be on the call as well.
>
> [redacted]
>
> Sgt. Timothy Fitzgerald
> Legislative Liaison
> Legislative and Legal Resources Section
> Office of the Director
> Michigan State Police
> Office 517-241-0384
>
> [redacted]
>
> "A Proud tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
>
>

Lisabeth, Nicole (MSP)

From: Fitzgerald, Timothy (MSP)
Sent: Friday, January 08, 2016 11:20 AM
To: Lisabeth, Nicole (MSP)
Cc: Banner, Shanon (MSP)
Subject: D.C. request

Hi Nicole,

Rob Blackwell just called back, and asked that a one page "what we are doing in Flint" talking point document be compiled for them to distribute to the Michigan Congressional delegation, If they inquire about the issue.

I told him about all the information on the web site, but he still wanted a simple document prepared and just have the website noted at the bottom. Do we already have something like this prepared?
(he asked for it by Monday)

-Fitz
Sgt. Timothy Fitzgerald
Legislative Liaison
Legislative and Legal Resources Section
Office of the Director
Michigan State Police
Office 517-241-0384

"A Proud tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Lisabeth, Nicole (MSP)

From: Fitzgerald, Timothy (MSP)
Sent: Friday, January 08, 2016 12:13 PM
To: Covey, Gabriel (MSP)
Cc: Lisabeth, Nicole (MSP); Leix, Ron (MSP)
Subject: Sen. Peters staff will be on the Call

Bentley Johnson, staff from Sen. Gary Peters will be calling at 2p. Captain Kelenske spoke to him previously.

Rob Blackwell is aware of this addition to the call.

Sgt. Timothy Fitzgerald
Legislative Liaison
Legislative and Legal Resources Section
Office of the Director
Michigan State Police
Office 517-241-0384

"A Proud tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 12:43 PM
To: Lisabeth, Nicole (MSP); Estill, John (DTMB)
Subject: FW: I hate to say it guys....

Please see below.

From: Minicuci, Angela (DHHS)
Sent: Friday, January 08, 2016 12:43 PM
To: Holland, Meegan (GOV); Leix, Ron (MSP); Banner, Shanon (MSP); Eisner, Jennifer (DHHS); Brown, Melanie (DEQ)
Subject: RE: I hate to say it guys....

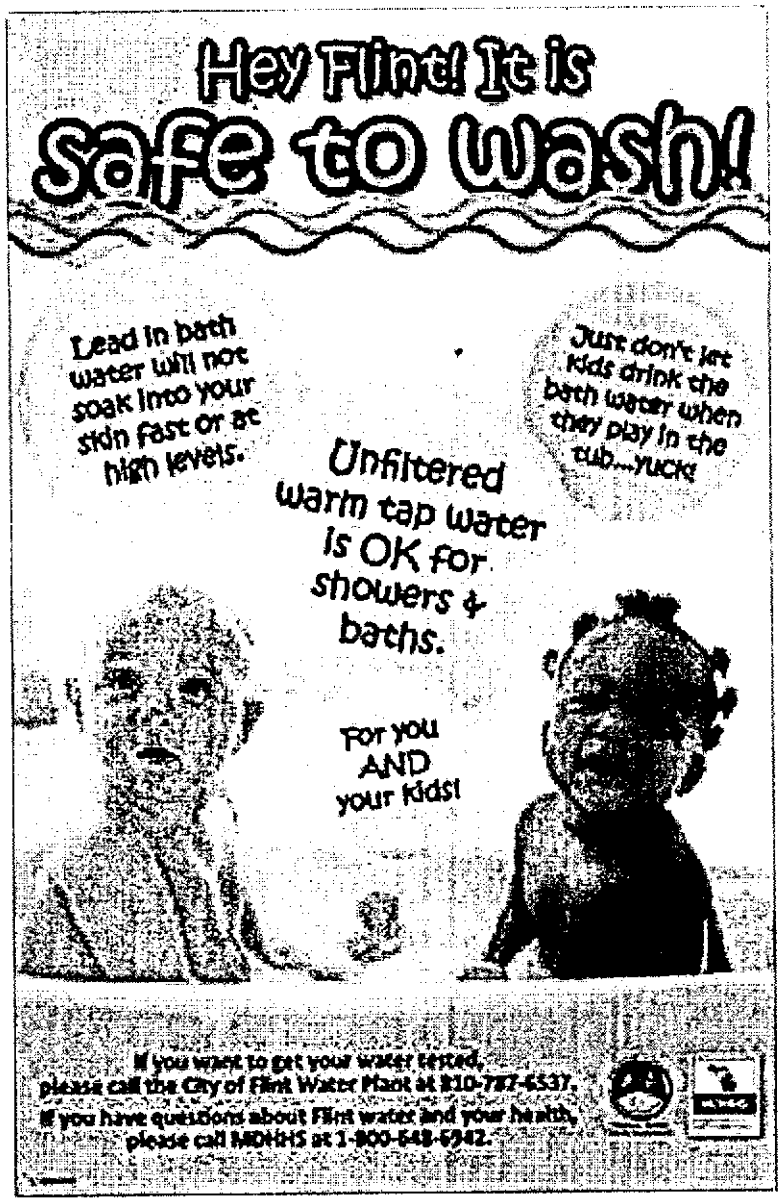
That's fine. Take it down!

Angela

From: Holland, Meegan (GOV)
Sent: Friday, January 08, 2016 12:41 PM
To: Leix, Ron (MSP) <LeixR@michigan.gov>; Banner, Shanon (MSP) <BannerS@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Brown, Melanie (DEQ) <BrownM45@michigan.gov>
Subject: I hate to say it guys....

...but now that people are looking at the gov/flintwater website, they're sneering at this graphic. I suggest we take it down and re-do it. Dave M. and I believe it should be taken down and we need to come up with a better graphic that gets JIC approval. Let me know if you disagree.

I feel like people aren't responding to this the way M have hoped. #FlintWaterCrisis



Like Comment Share

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397

Twitter: @meholland

Lisabeth, Nicole (MSP)

From: Estill, John (DTMB)
Sent: Friday, January 08, 2016 12:56 PM
To: Holland, Meegan (MDOS); Tommasulo, Karen (DEQ); Lisabeth, Nicole (MSP)
Subject: Free Water Filters updated

The PDF has been changed to a web page and has now has five locations.

John Estill
Michigan.gov Support
517-241-5806
DTMB
Help. Connect. Solve.

Lisabeth, Nicole (MSP)

From: Estill, John (DTMB)
Sent: Friday, January 08, 2016 2:01 PM
To: Leix, Ron (MSP); Lisabeth, Nicole (MSP); Eisner, Jennifer (DHHS); Minicuci, Angela (DHHS); Holland, Meegan (MDOS); Banner, Shanon (MSP)
Subject: RE: I hate to say it guys....

A quick fix. I pulled the link to the PDF and converted it to a web page with the Genesee & MDHHS logos. So the natural click path goes to the web page.

http://www.michigan.gov/deq/0,4561,7-135-3313_3675_73946-372051--,00.html

If somebody bookmarked the actual PDF or if the PDF URL is in social media someplace, the PDF now displays the FAQ that includes information about bathing.

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 12:43 PM
To: Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>; Estill, John (DTMB) <EstillJ@michigan.gov>
Subject: FW: I hate to say it guys....

Please see below.

From: Minicuci, Angela (DHHS)
Sent: Friday, January 08, 2016 12:43 PM
To: Holland, Meegan (GOV); Leix, Ron (MSP); Banner, Shanon (MSP); Eisner, Jennifer (DHHS); Brown, Melanie (DEQ)
Subject: RE: I hate to say it guys....

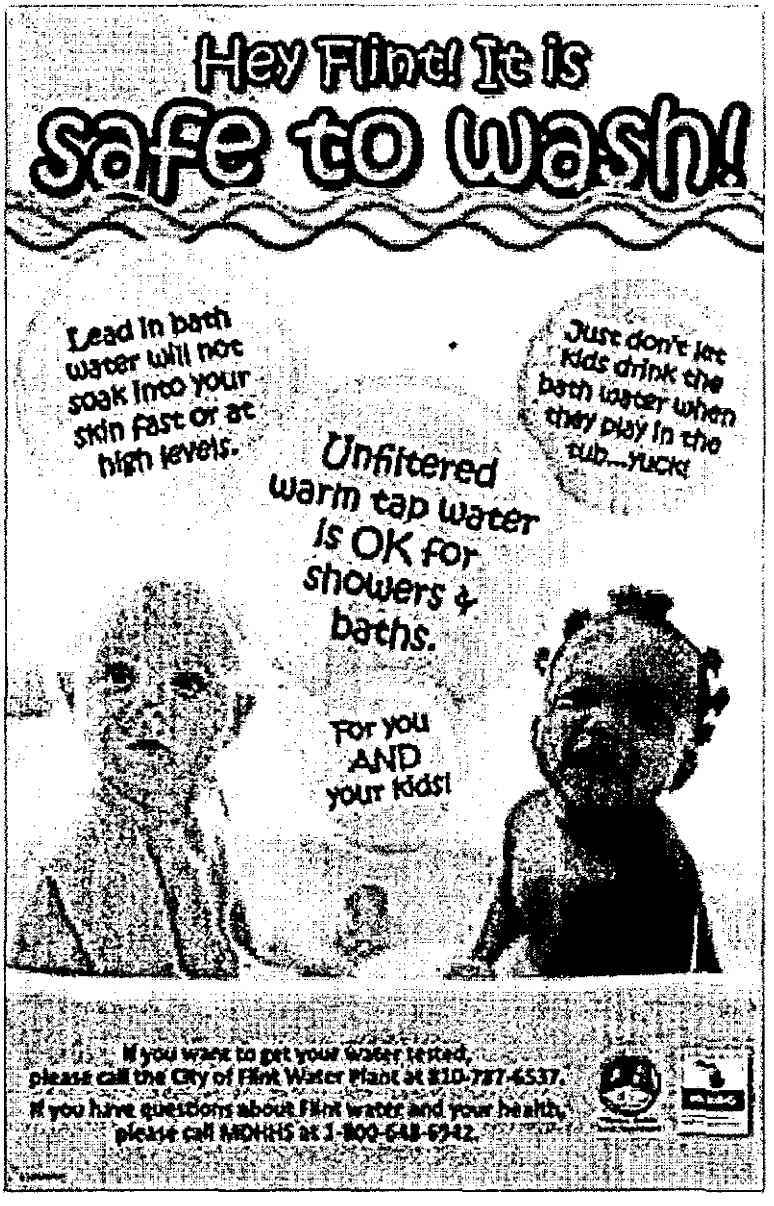
That's fine. Take it down!

Angela

From: Holland, Meegan (GOV)
Sent: Friday, January 08, 2016 12:41 PM
To: Leix, Ron (MSP) <LeixR@michigan.gov>; Banner, Shanon (MSP) <BannerS@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Brown, Melanie (DEQ) <BrownM45@michigan.gov>
Subject: I hate to say it guys....

...but now that people are looking at the gov/flintwater website, they're sneering at this graphic. I suggest we take it down and re-do it. Dave M. and I believe it should be taken down and we need to come up with a better graphic that gets JIC approval. Let me know if you disagree.

I feel like people aren't responding to this the way M have hoped. #FlintWaterCrisis



Like Comment Share

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: 517-420-2714
Twitter: @meholland

Lisabeth, Nicole (MSP)

From: Brown, Tiffany (MSP)
Sent: Friday, January 08, 2016 2:37 PM
To: Lisabeth, Nicole (MSP)
Subject: FW: Talking Points
Attachments: Fact Sheet - Disaster Declarations - Flint - updated_1.7.16.doc; ATT00001.htm; Talking Points_Flint Water Emergency Response.doc; ATT00002.htm

Hi Nicole,

I'm not sure what was sent to Harvey yesterday, but attached is what Shanon sent me this morning. Looks like she sent these to Meegan Holland. Let me know if you need anything else. tb

---

From: Banner, Shanon (MSP)
Sent: Friday, January 08, 2016 9:46 AM
To: Brown, Tiffany (MSP)
Subject: Fwd: Talking Points

You can use these documents to write the memo. I don't think we need to attach them to the memo, although it wouldn't hurt to share them with Mike and Dave so they have some background for situational awareness.

Sent from my iPhone

Begin forwarded message:

> **From:** "Banner, Shanon (MSP)" <BannerS@michigan.gov>
> **Date:** January 7, 2016 at 7:11:15 PM EST
> **To:** "Holland, Meegan (GOV)" <HollandM2@michigan.gov>
> **Subject: Talking Points**
>
> Attached

Jan. 7, 2016

Frequently Asked Questions

Flint Water Situation and Declaration Process

What is a local state of emergency?

- The chief executive official of a community, like a mayor or county board chair, can declare a "local state of emergency" during an emergency or disaster. A local declaration enables a community to activate its emergency operations plans and administer local aid and assistance. Directives may be issued too.

- A local emergency declaration is not an automatic call for state or federal assistance. A local declaration is a mechanism to cope with an emergency or disaster.

- A local declaration typically complements the activation of a county's or a municipality's emergency operations center and public information operations.

Why does Flint depend on Genesee County for emergency declarations?

- The city of Flint has opted to be incorporated into the Genesee County Emergency Management program. The city has an emergency support plan that complements Genesee County's emergency operations plan.

- When the city of Flint **exhausts** its resources during an incident, they may call upon Genesee County for resources. It's a mutual agreement where both help each other out when it's needed most.

- The city of Flint's Fire Chief and Genesee County's Emergency Management Coordinator are designated as the officials to manage an emergency situation.

What is a Governor's declaration?

- When a designated Michigan Emergency Management Act program **exhausts** its resources during an emergency or disaster, they may request specific resources from the state of Michigan. Resources include contracts, equipment and personnel.

- All requests for a governor's declaration are submitted to the Michigan State Police, Emergency Management and Homeland Security Division, which reviews the request and provides a recommendation to the Governor's Office. The Governor may approve or deny the request.

- The Governor can declare a "state of disaster" or "state of emergency" that makes available all state resources in cooperation with local response and recovery operations.

What state resources are available under a Governor's declaration?

- The Governor may provide state resources, like contracts, equipment, and personnel, to support and assist during the emergency or disaster.

- For the situation in Flint, state resources were deployed even before the disaster declaration. For example, the Michigan Legislature provided $9.35 million to lessen the threat of a catastrophe by reconnecting the city water to the Detroit Water and Sewer System. Funding was also provided for lead testing, case management for children with elevated blood levels, and water filters.

What is a Presidential declaration?

- When a state **exhausts** its resources during an emergency or disaster, a Governor may request assistance through the Stafford Act. Requests from Michigan are submitted to the President through the Federal Emergency Management Agency's Region V Office in Chicago.

- FEMA reviews all requests and provides a recommendation to the President. Ultimately, the President decides whether to make an emergency or major disaster declaration.

Is a Presidential declaration possible for the Flint water situation?

- A Presidential declaration requires a state to prove the incident is beyond the capabilities and resources of both local and state response and recovery efforts.

- A **Presidential major disaster declaration** provides long-term recovery resources after an emergency or disaster. Federal law and regulations define a major disaster as being any natural catastrophe, any fire, flood or explosion.

- A **Presidential emergency declaration** provides supplemental aide during an incident. Federal law outlines an emergency where federal assistance is needed to supplement state and local efforts and capabilities to save lives and to protect public health and safety, or to lessen or avert the threat of a catastrophe. Up to $5 million in assistance is available. Amounts over that dollar figure require notification to Congress.

Will the Governor request a Presidential Declaration under the Stafford Act?

- All options are being examined for assistance, such as through the U.S. Department of Housing and Urban Development (Community Development Block Grants), the Center for Disease Control and Prevention, the Environmental Protection Agency, or legislative action. The Stafford Act is one mechanism to obtain assistance.

Jan. 7, 2016

Talking Points

Flint Water Emergency Response

State of Emergency Declaration

- On Jan. 5, Gov. Rick Snyder declared a state of emergency for Genesee County due to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

- By declaring a state of emergency, Snyder has made available all state resources in cooperation with local response and recovery operations.

- The declaration authorizes the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) to coordinate state efforts.

- In addition to the emergency declaration, Snyder activated the State Emergency Operations Center to coordinate state departments, the state's response, resources, and relief and recovery activities.

- The SEOC is the emergency operations center for the state of Michigan. Located in Lansing, the center is overseen by the MSP/EMHSD and coordinates response and recovery efforts by state agencies and local government. The SEOC is staffed by members of state agencies and other partners for decision making and information coordination during disasters or emergencies in the state of Michigan.

- On Jan. 6, the Joint Information Center was opened to lead the state's messaging and information response in coordination with the local Emergency Operations Center, Genesee County, and the City of Flint.

- The state of Michigan is working in full partnership with the Flint Water Advisory Task Force, all levels of government and water quality experts, to find both short-term and long-term solutions to ensure the health and safety of Flint residents.

Background

- In response to elevated lead levels found in drinking water in the city of Flint, the state of Michigan is collaborating with local government, and water and health experts to protect the health of residents.

- On Oct. 2, 2015, Gov. Snyder released a comprehensive action plan to address elevated blood lead levels and lead rates in drinking water in the city of Flint. This plan included the following action steps:

    - Test Flint public schools drinking water, with testing also available at no cost to any other school in Flint.
    - Offer free water testing to Flint residents.
    - Provide free water filters to residents.
    - Expanded health exposure testing of individual homes.
    - Accelerate corrosion controls in the Flint drinking water system.
    - Accelerate water system improvements to address replacing lead service lines.
    - Expedite the completion of the Karegnondi Water Authority pipeline.
    - Expand a Safe Drinking Water Technical Advisory Committee.
    - Named Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the Flint drinking water public health adviser.
    - Boosted a comprehensive lead education program to make sure residents have detailed information about how to protect themselves and their homes.

- On Oct. 16, 2015, the city of Flint reconnected with the Great Lakes Water Authority as the source of the city's drinking water until the Karegnondi Water Authority pipeline is completed.

- On Oct. 21, 2015, Gov. Snyder announced the creation of the independent Flint Water Advisory Task Force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

- The city of Flint declared a local emergency on Dec. 14, 2015, and partially opened their Emergency Operations Center.

- On Jan. 4, Genesee County declared a "local state of emergency," which activated local emergency response and recovery plans, and requested a governor's emergency declaration.

Next Steps

- As a result of the state of emergency declaration and the activation of the State Emergency Operations Center, the Joint Information Center will be coordinating the state's public information response and collaborating with the local Emergency Operations Center.

- Going forward, to better coordinate the health and safety of the residents of Flint and to ensure they are aware of and have access to the resources available within their community, the State Emergency Operations Center will serve as a central point of coordination between the local and state response efforts.

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 3:57 PM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: State Department of Education response to Flint water crisis

Please see below. Any issues?

Sent from my iPhone

Begin forwarded message:

> **From:** "Ackley, Martin (MDE)" <AckleyM@michigan.gov>
> **Date:** January 8, 2016 at 3:53:15 PM EST
> **To:** "Leix, Ron (MSP)" <LeixR@michigan.gov>
> **Cc:** "Burgess, Louis (MDE)" <burgessl@michigan.gov>, "Schafer, Maureen (MDE)" <SchaferM@michigan.gov>
> **Subject: FW: State Department of Education response to Flint water crisis**
>
> Ron,
> I just cc'd you on a media request from the national publication *Education Week*.
>
> From our perspective, here would be the responses I would provide (as filtered through the JIC):
>
> - Is the state preparing for the possibility of increased special education enrollment in the Flint Community Schools, and charter schools in the city, for developmentally delayed students and the costs that would come along with that? We realize that the health impact on children as a result of this situation may require assessing the educational development of students. At this time, the state is focused on abating the immediate crisis with the water supply in the City of Flint.
> - Will the state provide support to the Flint Community Schools, and charter in the city, as they work to identify children suffering from developmental disabilities due to high levels of lead in their blood? If so, will the support come in the form of professional development or grant funding? The state will be working with a number of federal, state, and local resources and partners to assist the children of Flint.
> - Does the department know of other districts, past or present, in the state that face similar challenges with a potentially high number of children with levels of lead in their blood entering or already enrolled in the school system? We are not aware, at this time, of any other school districts that are facing similar challenges.
> - Will the state provide extra funding to the Flint Community Schools for water purification systems, or offer some other type of assistance to help allay fears that parents and students may have? (I would leave this response up to the JIC)
>
> Martin Ackley, Director
> Office of Public and Governmental Affairs
> Michigan Department of Education

Customer Service is a priority at the Michigan Department of Education – helping Michigan schools, families, and communities improve the achievement and well-being of ALL our children.

MICHIGAN Department of Education

From: Corey Mitchell [mailto:cmitchell@epe.org]
Sent: Friday, January 08, 2016 3:14 PM
To: Ackley, Martin (MDE) <AckleyM@michigan.gov>
Cc: schaferm@michigan.ogv
Subject: RE: State Department of Education response to Flint water crisis

Martin,
Is the state Department of Education developing a response to the Flint water crisis and its potential fallout? Numerous studies detail the significant negative consequences of lead toxicity on learning and educational attainment.
I have a number of related questions:

- Is the state preparing for the possibility of increased special education enrollment in the Flint Community Schools, and charter schools in the city, for developmentally delayed students and the costs that would come along with that?
- Will the state provide support to the Flint Community Schools, and charter in the city, as they work to identify children suffering from developmental disabilities due to high levels of lead in their blood? If so, will the support come in the form of professional development or grant funding?
- Does the department know of other districts, past or present, in the state that face similar challenges with a potentially high number of children with levels of lead in their blood entering or already enrolled in the school system?
- Will the state provide extra funding to the Flint Community Schools for water purification systems, or offer some other type of assistance to help allay fears that parents and students may have?

Corey Mitchell
Staff Writer
Education Week **|edweek.org**
(301) 280-3121
@c_c_mitchell

Lisabeth, Nicole (MSP)

From: Hampton, Jacqueline (MSP)
Sent: Friday, January 08, 2016 4:54 PM
To: Lisabeth, Nicole (MSP)
Subject: Fire department distribution

I don't think they will be ready at fire departments before 10 tomorrow. Then it can be 9-4 daily

Sent from my iPhone

Lisabeth, Nicole (MSP)

From: Banner, Shanon (MSP)
Sent: Friday, January 08, 2016 5:04 PM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: Contact info

Here you go.

Sent from my iPad

Begin forwarded message:

> **From:** "Banner, Shanon (MSP)" <BannerS@michigan.gov>
> **Date:** January 8, 2016 at 5:03:27 PM EST
> **To:** "Christman, Christie (MSP)" <ChristmanC@michigan.gov>
> **Subject: Re: Contact info**
>
> Thanks. I'm copying this to Nicole as she is arranging staffing. Thinking more about it, we will likely want to get this done on Saturday so we can get it printed. Someone will be in touch.
>
> *Sent from my iPad*
>
> On Jan 8, 2016, at 5:02 PM, Christman, Christie (MSP) <ChristmanC@michigan.gov> wrote:
>
> > Hi Shanon,
> >
> > Christie Christman
> > Multimedia Representative
> > Public Affairs Section
> > Office of the Director
> > Michigan State Police
> > Office: 517-241-0973
> >
> > "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
> >
> > <image001.png>
> >
> > We're on social media! Find all the ways you can connect with us at www.mi.gov/mspconnect.

Lisabeth, Nicole (MSP)

From: Banner, Shanon (MSP)
Sent: Friday, January 08, 2016 5:08 PM
To: Christman, Christie (MSP)
Cc: Lisabeth, Nicole (MSP)
Subject: Re: Contact info

Yes, because you'll want your mac.

Sent from my iPad

On Jan 8, 2016, at 5:04 PM, Christman, Christie (MSP) <ChristmanC@michigan.gov> wrote:

> Ok sounds good. Is that something I would just come here to HQ to work on as normal?
>
> Christie Christman
> Multimedia Representative
> Public Affairs Section
> Office of the Director
> Michigan State Police
> Office: 517-241-0973
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> <image001.png>
>
> We're on social media! Find all the ways you can connect with us at www.mi.gov/mspconnect.

From: Banner, Shanon (MSP)
Sent: Friday, January 08, 2016 5:03 PM
To: Christman, Christie (MSP)
Subject: Re: Contact info

> Thanks. I'm copying this to Nicole as she is arranging staffing. Thinking more about it, we will likely want to get this done on Saturday so we can get it printed. Someone will be in touch.
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Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 5:14 PM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: Rachael Maddow

FYI

Sent from my iPhone

Begin forwarded message:

> **From:** "Peterson, Mark J" <Mark.Peterson2@fema.dhs.gov>
> **Date:** January 8, 2016 at 5:11:35 PM EST
> **To:** "Leix, Ron (MSP)" <LeixR@michigan.gov>
> **Cc:** "Ringsdorf, Cassie" <Cassie.Ringsdorf@fema.dhs.gov>, "Shulman, Dan" <Dan.Shulman@fema.dhs.gov>, "Jasmund, Sandra" <Sandra.Jasmund@fema.dhs.gov>
> **Subject: Rachael Maddow**
>
> Ron,
>
> Our HQ received a call from a producer of Maddow show. We provided her with information on the dec process and mentioned that we have deployed liaisons.
>
> Totally up to you, but it might be a good idea to reach out to Laura. (Laura.Conaway@nbcuni.com) – Although you may have already received a call.
>
> Mark

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 5:11 PM
To: Lisabeth, Nicole (MSP)
Subject: Flint Water Distribution Figured Out

Hi Nicole,

I just talked to Sean Kammer. He told me the good news about the water distribution.

He would like to coordinate on a message. Please have someone call him at

Thanks,

Ron

Ron Leix
Public Information Officer (PIO)
Emergency Management
and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517) 336-6464

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Lisabeth, Nicole (MSP)

From: Eisner, Jennifer (DHHS)
Sent: Friday, January 08, 2016 5:25 PM
To: Lisabeth, Nicole (MSP); Tommasulo, Karen (DEQ); Leix, Ron (MSP); Brown, Melanie (DEQ)
Subject: FW: 2 page handout
Attachments: 2015-10-21_-_Lead_-_Flint_Water_FINAL_504265_7.pdf

For your review and edits. Updated FAQ document for distribution.

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov

-----Original Message-----
From: Hawks, Trevor (MSP)
Sent: Friday, January 08, 2016 5:22 PM
To: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>
Subject: 2 page handout

Hi Jennifer, attached is the 2 page handout we worked on. Let me know if I can help further on this document. We'll start work on the door hanger whenever you are ready.

Trevor Hawks
Graphic Arts Designer
Emergency Management and Homeland Security
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5037

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Lead in Flint Water

www.michigan.gov/flintwater
call 2-1-1 for more information

Genesee County Health Department

MDHHS Michigan Department of Health & Human Services

- Lead is hard to avoid completely. It can be found in old paint, water pipes and brass water faucets, in dirt, at some job sites, and in metal used for some hobbies.
- The amount of lead found in some Flint homes' drinking water could affect kids' health.
  - Even small amounts of lead can harm kids' health because they are little and still growing.
  - Adults are less likely to be harmed by the levels found in the water.
- Filter your drinking water using a NSF-approved filter.
  - Find a NSF-approved filter at http://www.gchd.us/docs/lead_filter_information.pdf.
  - To get your free filter, visit www.michigan.gov/flintwater for location information and important updates.
- Some filters can remove up to 99% of the lead in water when used properly. To be sure your filter is removing as much lead as it can, carefully follow the instructions that came with it.
  - Change the filter cartridge as often as you should.
  - Run only cold water through the filter.
- Even after changes to the water system, it may take a while before lead levels in your home's water drop. Use the tips below to know when it's best to use filtered water:

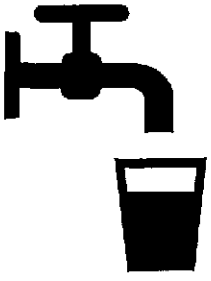
Lead in Water

Although your water may be a different color sometimes, it is not caused by lead. It's *important to remember:*

- **You can't see, smell, or taste lead in water.**
- **Lead won't change the color of your water.**
- **The only way to know what your home's lead levels are is by having your water tested in a lab.**

Please call the Flint Water Department at 810-787-6537 to request a free or low-cost water test.

In The Kitchen



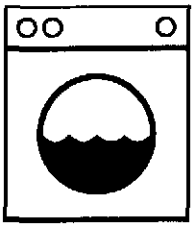
Use <u>filtered</u> tap water for:

- Drinking (including making coffee, drink mixes, juice, baby formula)
- Cooking (even if you boil the water, the lead will stay in the water and food)
- Washing fruits and vegetables

You can use <u>unfiltered</u> tap water for:

- Washing your hands
- Washing dishes
- Wiping down countertops

Cleaning



You can use <u>unfiltered</u> tap water for:

- Mopping floors
- Washing clothes

Your washing machine and dryer won't put lead from the water into the air of your home.

In the Bathroom

Use <u>filtered</u> tap water for:

- Brushing kids' teeth

You can use <u>unfiltered</u> tap water for:

- Showers
- Baths (don't let kids drink the water as they play in the tub)
- Brushing your teeth (if you are an adult)

Lead will not cause rashes or other skin problems. However, if chlorine levels or other cleaners are high in the water, it may cause itchy or dry skin (similar to what can happen when you swim in a pool).

Caring for Pets

Use <u>filtered</u> tap water for:

- Pets' water bowls

You can use <u>unfiltered</u> tap water for:

- Baths

If you notice your pet acting differently than normal, please contact your vet.

Other Sources of Lead in Your Home

Lead Paint

- Homes built before 1978 likely have lead paint, both inside and outside.
- Old paint is the most common way that kids are exposed to lead.

Dirt

- If you live in the city, there may be lead in the dirt outside your home.
- Before 1996, gas and the exhaust from cars contained lead. More lead will be found in dirt in busy traffic areas.

Dust

- The dust in your home can contain tiny amounts of both the paint and the dirt that contain lead.

Hobbies & Jobs

- Solder, fishing sinkers, bullets, and stained glass framing materials are some of the items in your home that may contain lead. You could also track home lead dust from your job site.

Have Questions?

For more information about protecting yourself and your family from lead, please visit:

<u>www.michigan.gov/lead</u>

Or you can call the Michigan Department of Health and Human Services at:

1-800-648-6942

The staff at this number will help direct you to the best department that can answer your questions about lead in your home.

To request a free or low-cost water test, please call the Flint Water Department at:

1-810-787-6537

To find out if you can get a free water filter, please call 211.

MDHHS

Michigan Department of Health & Human Services

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 5:37 PM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: Flint water

FYI

Sent from my iPhone

Begin forwarded message:

> **From:** "Manning, Peter (AG)" <ManningP@michigan.gov>
> **Date:** January 7, 2016 at 10:03:17 AM EST
> **To:** "Leix, Ron (MSP)" <LeixR@michigan.gov>
> **Cc:** "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>, "Weber, Thomas (MSP)" <WeberT1@michigan.gov>, "Kuhl, Richard (AG)" <KuhlR@michigan.gov>, "Bettenhausen, Margaret (AG)" <BettenhausenM@michigan.gov>
> **Subject: Flint water**
>
> Ron,
>
> I wanted to address this off-line. I don't want to unnecessarily delay communication, but to the extent possible, can you please run major communications through our office. There is litigation pending.
>
> Richard and Margaret are the attorneys handling the case, and are copied.
>
> Thanks,
>
> Peter
>
> S. Peter Manning
> Division Chief
> Environment, Natural Resources,
> and Agriculture Division
> Michigan Department of Attorney General
> P.O. Box 30755
> Lansing, MI 48909
> (517) 373-7540

Lisabeth, Nicole (MSP)

From: Shaw, Eric (DEQ)
Sent: Friday, January 08, 2016 9:06 AM
To: Lisabeth, Nicole (MSP)
Subject: RE: YouTube Login

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Here are the links to the updated videos.

Capt. Kelenske
https://youtu.be/y2dHgLQXFtY

Dr. Wells
https://youtu.be/14WWfmicca4

Let me know if I can help with anything more.
ERIC

-----Original Message-----
From: Lisabeth, Nicole (MSP)
Sent: Thursday, January 07, 2016 6:39 PM
To: Shaw, Eric (DEQ)
Subject: Re: YouTube Login

Tomorrow morning is good.

I'm editing the description for the closing statement to make it live tonight.

I also created a playlist for Flint videos so we can house them there once they're ready to go.

Thanks again!

-Nicole
Sent from my iPhone

> On Jan 7, 2016, at 6:30 PM, "Shaw, Eric (DEQ)" <ShawE2@michigan.gov> wrote:
>
> Yes, I can make those changes. Do you want those changes tonight or will early tomorrow morning work?
>
> Sent from my iPhone
>
>> On Jan 7, 2016, at 6:22 PM, Lisabeth, Nicole (MSP) <LisabethN@michigan.gov> wrote:
>>
>> Hi Eric,
>>
>> Thank you for editing these! We reviewed them and have a couple changes, if possible.
>>
>> For the lengthy Captain Kelenske video, is it possible to remove the first 20 seconds and start with his statement "The process..." He pauses just before this statement so hopefully this will work and it removes the stumble portion.
>>
>> For Dr. Wells' video, is it possible to edit out the portion 1:32-1:47 (or around there) to remove the issue with the call on hold? Maybe a brief fade to help transition?

>>
>> No changes to the closing statement.
>>
>> -Nicole
>>
>> _____
>> From: Shaw, Eric (DEQ)
>> Sent: Thursday, January 07, 2016 5:57 PM
>> To: Lisabeth, Nicole (MSP); Brown, Melanie (DEQ)
>> Subject: RE: YouTube Login
>>
>> Here are the links to those videos.
>>
>> Capt Kelenske
>> https://youtu.be/fYQz1UNR5HQ
>>
>> Dr. Wells
>> https://youtu.be/jbvR6BdiWpc
>>
>> Closing Comment
>> https://youtu.be/X19qUjHlK4A
>>
>>
>> Eric Shaw
>> Digital Media and Web Content Manager Michigan Department of
>> Environmental Quality
>> Office: 517.284.6726
>> Cell:
>> Shawe2@michigan.gov
>>
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>>
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>>
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>>
>> -----Original Message-----
>> From: Lisabeth, Nicole (MSP)
>> Sent: Thursday, January 07, 2016 4:38 PM
>> To: Shaw, Eric (DEQ)
>> Subject: Re: YouTube Login
>>
>> Maybe start when Kelenske says thanks for coming before the stumble? I'll trust your judgment. We just started a briefing so I can't look at it too closely. Thanks!
>>
>> -Nicole
>> Sent from my iPhone
>>
>>> On Jan 7, 2016, at 4:29 PM, "Shaw, Eric (DEQ)" <ShawE2@michigan.gov> wrote:
>>>
>>> I'm editing now and your first edit request is tough. If I cut his stumble out, his comment starts in the middle of a sentence and doesn't sound right. I'm willing to do it but I wanted to let you decide.
>>>
>>> Sent from my iPhone
>>>
>>>> On Jan 7, 2016, at 4:03 PM, Lisabeth, Nicole (MSP) <LisabethN@michigan.gov> wrote:
>>>>
>>>> Erik,
>>>>

>>>> As discussed, the login for the YouTube channel is included in the below email. If you upload the videos as private, we can view them and will add the description for the videos.
>>>>
>>>> The titles should be:
>>>>
>>>> Capt. Chris Kelenske, Michigan State Police Emergency Management &
>>>> Homeland Security Division Dr. Eden Wells, Chief Medical Executive,
>>>> Michigan Department of Health & Human Services
>>>>
>>>> Let me know if you have any questions. Thank you very much for your help!
>>>>
>>>> -Nicole
>>>>
>>>> Nicole Lisabeth
>>>> Deputy Manager, Public Affairs Section Office of the Director
>>>> Michigan State Police
>>>>
>>>>
>>>> A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and
>>>> COURTESY
>>>>
>>>> _____
>>>> From: Leix, Ron (MSP)
>>>> Sent: Thursday, January 07, 2016 3:52 PM
>>>> To: Lisabeth, Nicole (MSP)
>>>> Subject: YouTube Login
>>>>
>>>> YouTube –
>>>>
>>>>
>>>>
>>>>
>>>>
>>>> Ron Leix
>>>> Public Information Officer (PIO)
>>>> Emergency Management
>>>> and Homeland Security Division
>>>> Michigan State Police
>>>> 4000 Collins Road
>>>> Lansing, MI 48910
>>>> TX: (517) 336-6464
>>>>
>>>>
>>>> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>>>>
>>>>
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>>>>
>>>>
>>>>

Lisabeth, Nicole (MSP)

From: Shaw, Eric (DEQ)
Sent: Friday, January 08, 2016 10:59 AM
To: Lisabeth, Nicole (MSP)
Subject: RE: Video status

Good Morning,

Just checking... Did you get the new email with edits made earlier? I sent it over just after 9 am.

If not I will resend it.
ERIC

From: Lisabeth, Nicole (MSP)
Sent: Friday, January 08, 2016 10:45 AM
To: Shaw, Eric (DEQ)
Subject: Video status

Hi Eric,

I wanted to touch base to see how the editing is coming for the YouTube videos. Do you have an estimated time when they'll be ready?

Thanks,
-Nicole

Lisabeth, Nicole (MSP)

From: Peterson, Mark J <Mark.Peterson2@fema.dhs.gov>
Sent: Friday, January 08, 2016 5:39 PM
To: Lisabeth, Nicole (MSP)
Subject: RE: Rachael Maddow

I don't think that there's anything specific that we thought needed to be clarified. We just thought if you haven't already spoken to them, it might be worth reaching out, but obviously you've already been talking. Also the sense we got from the conversation today was that the show is going to be all about why the governor has not requested FEMA assistance yet. Are you getting that same impression as well?

Sent from my iFEMA mobile device.

From: Lisabeth, Nicole (MSP)
Sent: Friday, January 08, 2016 10:29:43 PM
To: Peterson, Mark J
Subject: Fwd: Rachael Maddow

Hi Mark,

We have talked to Laura Conaway several times. Anything specific you think we need to clarify with her based on your discussion?

We haven't announced that FEMA liaisons are here, so thanks for the heads up on that.

-Nicole
Sent from my iPhone

Begin forwarded message:

From: "Leix, Ron (MSP)" <LeixR@michigan.gov<mailto:LeixR@michigan.gov>>
Date: January 8, 2016 at 5:13:34 PM EST
To: "Lisabeth, Nicole (MSP)" <LisabethN@michigan.gov<mailto:LisabethN@michigan.gov>>
Subject: Fwd: Rachael Maddow

FYI

Sent from my iPhone

Begin forwarded message:

From: "Peterson, Mark J" <Mark.Peterson2@fema.dhs.gov<mailto:Mark.Peterson2@fema.dhs.gov>>
Date: January 8, 2016 at 5:11:35 PM EST
To: "Leix, Ron (MSP)" <LeixR@michigan.gov<mailto:LeixR@michigan.gov>>
Cc: "Ringsdorf, Cassie" <Cassie.Ringsdorf@fema.dhs.gov<mailto:Cassie.Ringsdorf@fema.dhs.gov>>, "Shulman, Dan" <Dan.Shulman@fema.dhs.gov<mailto:Dan.Shulman@fema.dhs.gov>>, "Jasmund, Sandra" <Sandra.Jasmund@fema.dhs.gov<mailto:Sandra.Jasmund@fema.dhs.gov>>
Subject: Rachael Maddow

Ron,

Our HQ received a call from a producer of Maddow show. We provided her with information on the dec process and mentioned that we have deployed liaisons.

Totally up to you, but it might be a good idea to reach out to Laura.
(Laura.Conaway@nbcuni.com<mailto:Laura.Conaway@nbcuni.com>) – Although you may have already received a call.

Mark

RETAIN THIS IMAGE
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RETAIN THIS IMAGE

Lisabeth, Nicole (MSP)

From: Shaw, Eric (DEQ)
Sent: Friday, January 08, 2016 11:02 AM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: YouTube Login

Follow Up Flag: Flag for follow up
Flag Status: Flagged

I'm forwarding you the email with the new video links just in case it did not come through.

Eric

Sent from my iPhone

Begin forwarded message:

> **From:** "Shaw, Eric (DEQ)" <ShawE2@michigan.gov>
> **Date:** January 8, 2016 at 9:06:24 AM EST
> **To:** "Lisabeth, Nicole (MSP)" <LisabethN@michigan.gov>
> **Subject: RE: YouTube Login**
>
> Here are the links to the updated videos.
>
> Capt. Kelenske
> https://youtu.be/y2dHgLQXFtY
>
> Dr. Wells
> https://youtu.be/14WWfmicca4
>
> Let me know if I can help with anything more.
> ERIC
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> From: Lisabeth, Nicole (MSP)
> Sent: Thursday, January 07, 2016 6:39 PM
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>
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> > No changes to the closing statement.
> >
> > -Nicole
> >
> > ---
> >
> > From: Shaw, Eric (DEQ)
> > Sent: Thursday, January 07, 2016 5:57 PM
> > To: Lisabeth, Nicole (MSP); Brown, Melanie (DEQ)
> > Subject: RE: YouTube Login
> >
> > Here are the links to those videos.

Capt Kelenske
https://youtu.be/fYQz1UNR5HQ

Dr. Wells
https://youtu.be/jbvR6BdiWpc

Closing Comment
https://youtu.be/X19qUjHIK4A

Eric Shaw
Digital Media and Web Content Manager Michigan Department of Environmental Quality
Office: 517.284.6726

Shawe2@michigan.gov

-----Original Message-----
From: Lisabeth, Nicole (MSP)
Sent: Thursday, January 07, 2016 4:38 PM
To: Shaw, Eric (DEQ)
Subject: Re: YouTube Login

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Sent from my iPhone

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> Capt. Chris Kelenske, Michigan State Police Emergency Management &
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> Homeland Security Division Dr. Eden Wells, Chief Medical Executive,
>
> Michigan Department of Health & Human Services
>
> Let me know if you have any questions. Thank you very much for your help!
>
> -Nicole
>
> Nicole Lisabeth
>
> Deputy Manager, Public Affairs Section Office of the Director

Michigan State Police

A PROUD tradition of SERVICE
through EXCELLENCE,
INTEGRITY, and
COURTESY

From: Leix, Ron (MSP)
Sent: Thursday, January 07, 2016
3:52 PM
To: Lisabeth, Nicole (MSP)
Subject: YouTube Login

YouTube –

Ron Leix
Public Information Officer (PIO)
Emergency Management
and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
TX: (517) 336-6464

"A PROUD tradition of SERVICE
through EXCELLENCE,
INTEGRITY, and COURTESY"

Lisabeth, Nicole (MSP)

From: Minicuci, Angela (DHHS)
Sent: Friday, January 08, 2016 11:28 AM
To: Lisabeth, Nicole (MSP)
Cc: Eisner, Jennifer (DHHS)
Subject: Document
Attachments: Directors Office Response July 2015.pdf

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Attached is the document by request of Jen ☺

Lyon, Nick (DHHS)

From:	Lyon, Nick (DCH)
Sent:	Friday, July 31, 2015 10:57 AM
To:	Muchmore, Dennis (GOV); Workman, Wayne (TREASURY); Wurfel, Brad (DEQ); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Cc:	Saxton, Thomas (Treasury); Wisniewski, Wendy (GOV); Grijalva, Nancy (DCH)
Subject:	Re: Updated Memo on Water Coalition Questions - July 29
Attachments:	Flint Testing and EBLLs_2.xlsx
Follow Up Flag:	Follow up
Flag Status:	Flagged

Our Public Health staff followed up a bit more on the lead question. Below is their email update to me.

From: Grijalva, Nancy (DCH)
Sent: Wednesday, July 29, 2015 11:23 AM
To: Lyon, Nick (DCH)
Subject: FW: Director's Office Assignment -- Flint - need update asap
FYI.....
-----Original Message-----
From: Peeler, Nancy (DCH)
Sent: Tuesday, July 28, 2015 2:57 PM
To: Anderson, Paula (DCH); Miller, Corinne (DCH); Travis, Rashmi (DCH); Moran, Susan (DCH); Grijalva, Nancy (DCH); Fink, Brenda (DCH)
Cc: Priem, Wesley F. (DCH); Dykema, Linda D. (DCH); Bouters, Janese (DCH); Barr, Jacqui (DCH)

Subject: RE: Director's Office Assignment -- Flint - need update asap

I apologize for the delay in responding more specifically to this assignment, it took some time to review our Childhood Lead Poisoning Prevention program data to see if it might contribute to the understanding of the situation in Flint with their water supply. Here is what we found:

We looked at lead testing results for May 2014-April 2015, which is the 12 month time frame just after Flint started drawing their water from the river (water source changed in April 2014).

We compared lead testing rates and lead testing results to the same time frame for the previous 3 years, to see if there were any patterns that suggested that there were increased rates of lead poisoning after the water supply was switched. Per the attached charts –

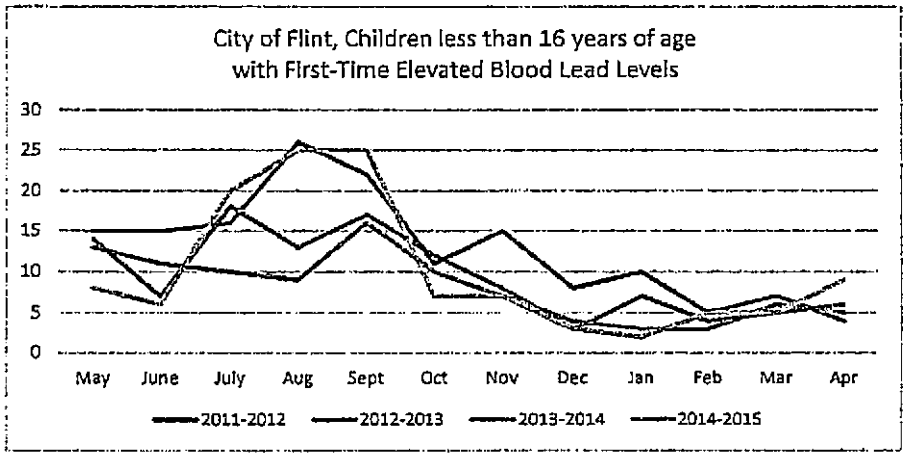
- Lead testing rates remained about the same from year to year (chart on the right).
- There was a spike in elevated blood lead tests from July-September 2014 (chart on the left, gold line).
- However that pattern was not terribly different from what we saw in the previous three years, especially in 2011-2012 (we are working with our Epidemiologist to statistically verify any significant differences).
- We commonly see a 'seasonal effect' with lead, related to people opening and closing windows more often in the summer, which disturbs old deteriorating paint on the windows, sills and sashes. Window fans frequently blow and spread the lead dust from the deteriorating paint to other parts of the room/house. We

suspect that the summer data spike may be related to this effect.

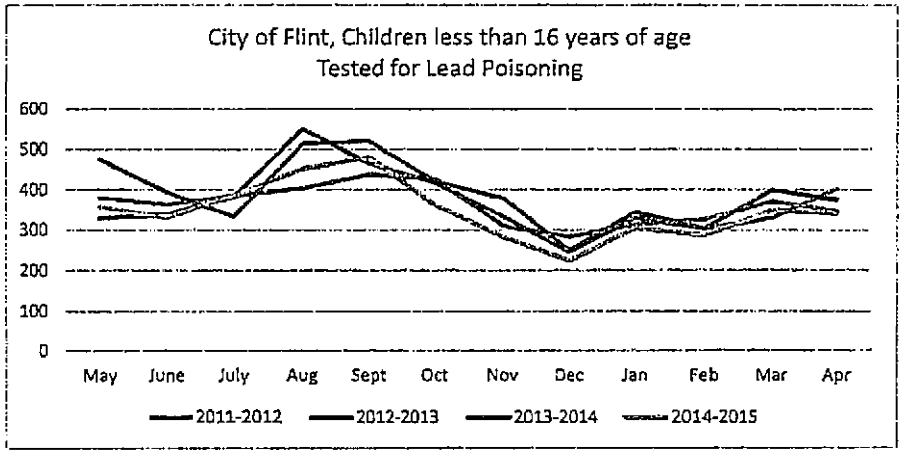
- If the home water supply lines and/or river water were contributing to elevated blood lead tests, we expected that the increased rates would extend beyond the summer, but they drop quite a bit from September to October, stayed low over the winter, and are just starting to tail up again in the spring of 2015.

So upon review, we don't believe our data demonstrates an increase in lead poisoning rates that might be attributable to the change in water source for Flint. We recognize that lead exposure via the water is only a small piece of what may be happening for families in Flint, however, we hope the information is helpful.

Nancy Peeler



	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr
2011-2012	15	15	16	26	22	11	15	8	10	5	7	4
2012-2013	14	7	18	13	17	12	8	3	7	4	5	6
2013-2014	13	11	10	9	16	10	7	4	3	3	6	5
2014-2015	8	6	20	25	25	7	7	3	2	5	5	9



	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr
2011-2012	474	393	332	513	520	420	379	249	343	303	399	375
2012-2013	328	338	383	550	464	417	332	246	328	303	328	402
2013-2014	380	363	385	404	438	427	310	283	313	325	371	346
2014-2015	356	329	386	452	480	361	283	224	305	287	348	339

Lisabeth, Nicole (MSP)

From: Murray, David (GOV)
Sent: Friday, January 08, 2016 9:37 PM
To: 'Hannah.rappleye@nbcuni.com'
Cc: Holland, Meegan (GOV); Brown, Melanie (DEQ); Leix, Ron (MSP); Heaton, Anna (GOV); Biehl, Laura (GOV); Agen, Jarrod (GOV); Lisabeth, Nicole (MSP)
Subject: Bottled water and water filter distribution in Flint.

Hannah, the people working in the Joint Information Center said the phone number left for them to call back was incorrect, and that they attempted to contact you through email to get the correct number.

Here's a statement from me, and it will be deeply appreciated if you could include it in the online version of the story. I expect additional information to be released tomorrow and I'll make sure you get a copy.

Here you go:

The state government is working closely with the city of Flint, Genesee County and community groups as part of a coordinated effort to disseminate bottled water, water filters and home water testing kits to get safe, clean water into the hands of Flint residents. All of these will be available seven days a week at locations throughout the city, with additional information being released on Saturday.

The state government has been distributing free filters and replacement cartridges since October, and that work is ongoing. As of Thursday, 11,587 filters and more than 1,700 replacement cartridges have been distributed through the state Department of Health and Human Services, and thousands more through local partners in the community. Part of the emergency response is to begin mapping homes where filters have been distributed so far, the first steps in a plan to go door-to-door, if necessary, to make sure people have the devices and that they are installed properly.

Dave

Dave Murray
Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office

Twitter:@michigandmurray

Lisabeth, Nicole (MSP)

From: Rappleye, Hannah (NBCUniversal) <Hannah.Rappleye@nbcuni.com>
Sent: Friday, January 08, 2016 9:45 PM
To: Murray, David (GOV)
Cc: Holland, Meegan (GOV); Brown, Melanie (DEQ); Leix, Ron (MSP); Heaton, Anna (GOV); Biehl, Laura (GOV); Agen, Jarrod (GOV); Lisabeth, Nicole (MSP)
Subject: Re: Bottled water and water filter distribution in Flint.

Hi Dave,

I've forwarded this to my colleague and will put it up as soon as possible. I never received an email from anyone, either on my work or my personal accounts. For the future, nd my desk number is 212 664 6960. I'm reachable nearly all the time on my cell and via email. Please feel free to text or call with any information, no matter how small, on the record or on background - I will be covering this going forward.

Best regards

Hannah

Sent from my iPhone

On Jan 8, 2016, at 9:37 PM, Murray, David (GOV) <MurrayD1@michigan.gov> wrote:

> Hannah, the people working in the Joint Information Center said the phone number left for them to call back was incorrect, and that they attempted to contact you through email to get the correct number.
>
> Here's a statement from me, and it will be deeply appreciated if you could include it in the online version of the story. I expect additional information to be released tomorrow and I'll make sure you get a copy.
>
> Here you go:
>
> The state government is working closely with the city of Flint, Genesee County and community groups as part of a coordinated effort to disseminate bottled water, water filters and home water testing kits to get safe, clean water into the hands of Flint residents. All of these will be available seven days a week at locations throughout the city, with additional information being released on Saturday.
>
> The state government has been distributing free filters and replacement cartridges since October, and that work is ongoing. As of Thursday, 11,587 filters and more than 1,700 replacement cartridges have been distributed through the state Department of Health and Human Services, and thousands more through local partners in the community. Part of the emergency response is to begin mapping homes where filters have been distributed so far, the first steps in a plan to go door-to-door, if necessary, to make sure people have the devices and that they are installed properly.
>
> Dave
>
> **Dave Murray**
> Press Secretary | Executive Office of Governor Rick Snyder
> MurrayD1@michigan.gov
> 517-335-6397, office

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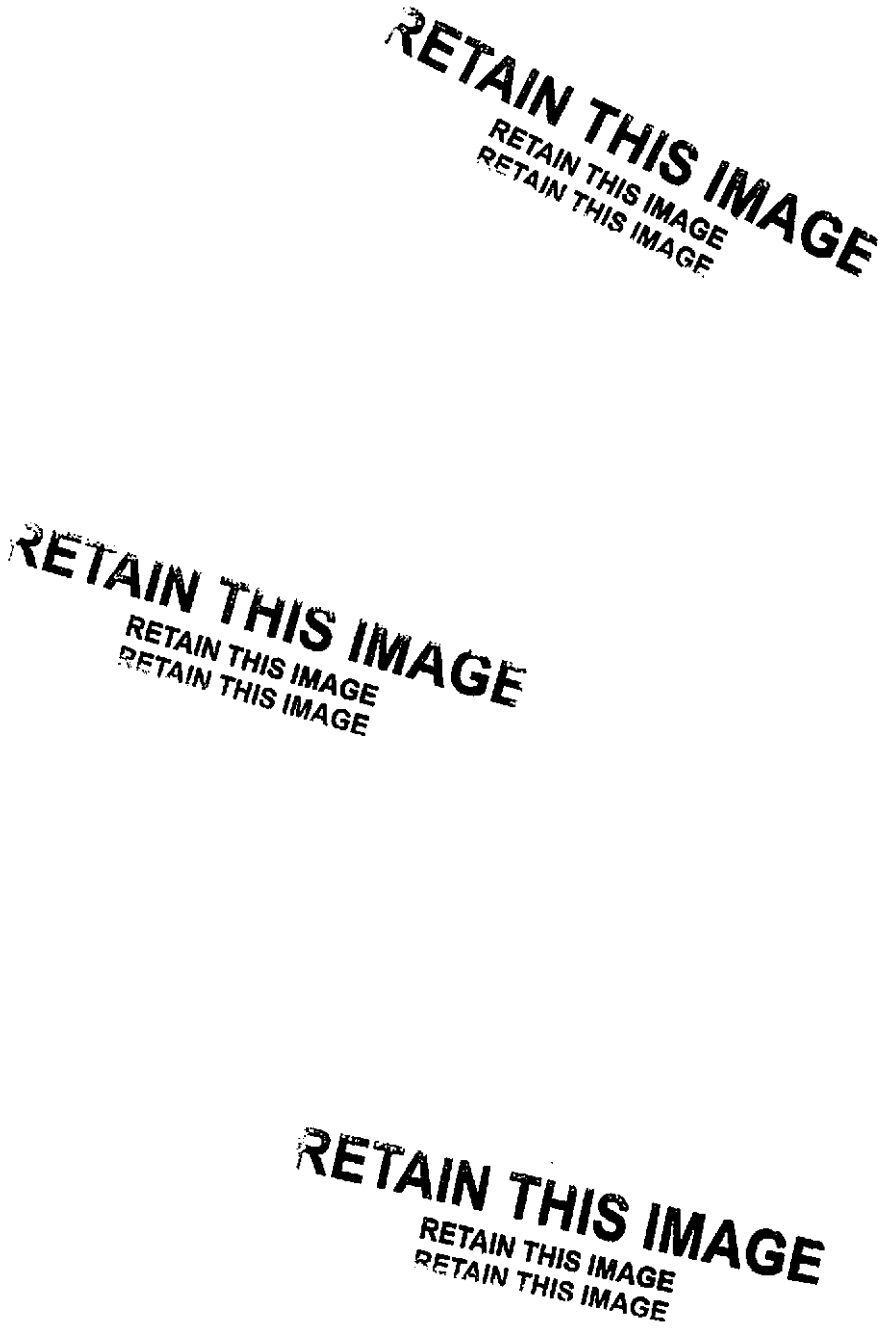

Lisabeth, Nicole (MSP)

From: Murray, David (GOV)
Sent: Friday, January 08, 2016 9:54 PM
To: Lisabeth, Nicole (MSP)
Subject: RE: Bottled water and water filter distribution in Flint.

Thank you for your help, Nicole. Nice working with your today!

Here's the note I got back from Hannah with her contact info it it.

Hi Dave,

I've forwarded this to my colleague and will put it up as soon as possible. I never received an email from anyone, either on my work or my personal accounts. For the future, my cell / desk number is 212 664 6960. I'm reachable nearly all the time on my cell and via email. Please feel free to text or call with any information, no matter how small, on the record or on background - I will be covering this going forward.

Best regards

Hannah

Dave Murray
Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397. office

Twitter:@michigandmurray

From: Lisabeth, Nicole (MSP)
Sent: Friday, January 08, 2016 9:48 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: Fwd: Bottled water and water filter distribution in Flint.

Dave,

One of our tasks for tomorrow is developing a solid media distribution list and dissemination mechanism for the JIC, so this issue won't happen again. I'll make sure Hannah is included. My apologies again.

-Nicole
Sent from my iPhone

Begin forwarded message:

From: "Rappleye, Hannah (NBCUniversal)" <Hannah.Rappleye@nbcuni.com>
Date: January 8, 2016 at 9:44:45 PM EST
To: "Murray, David (GOV)" <MurrayD1@michigan.gov>
Cc: "Holland, Meegan (GOV)" <HollandM2@michigan.gov>, "Brown, Melanie (DEQ)" <BrownM45@michigan.gov>, "Leix, Ron (MSP)" <LeixR@michigan.gov>, "Heaton, Anna (GOV)" <HeatonA@michigan.gov>, "Biehl, Laura (GOV)" <BiehlL@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Lisabeth, Nicole (MSP)" <LisabethN@michigan.gov>
Subject: Re: Bottled water and water filter distribution in Flint.

Hi Dave,

I've forwarded this to my colleague and will put it up as soon as possible. I never received an email from anyone, either on my work or my personal accounts. For the future, my cell and my desk number is 212 664 6960. I'm reachable nearly all the time on my cell and via email. Please feel free to text or call with any information, no matter how small, on the record or on background - I will be covering this going forward.

Best regards

Hannah

Sent from my iPhone

On Jan 8, 2016, at 9:37 PM, Murray, David (GOV) <MurrayD1@michigan.gov> wrote:

> Hannah, the people working in the Joint Information Center said the phone number left for them to call back was incorrect, and that they attempted to contact you through email to get the correct number.
>
> Here's a statement from me, and it will be deeply appreciated if you could include it in the online version of the story. I expect additional information to be released tomorrow and I'll make sure you get a copy.
>
> Here you go:
>
> The state government is working closely with the city of Flint, Genesee County and community groups as part of a coordinated effort to disseminate bottled water, water filters and home water testing kits to get safe, clean water into the hands of Flint residents. All of these will be available seven days a week at locations throughout the city, with additional information being released on Saturday.
>
> The state government has been distributing free filters and replacement cartridges since October, and that work is ongoing. As of Thursday, 11,587 filters and more than 1,700 replacement cartridges have been distributed through the state Department of Health and Human Services, and thousands more through local partners in the community. Part of the emergency response is to begin mapping homes where filters have been distributed so far, the first steps in a plan to go door-to-door, if necessary, to make sure people have the devices and that they are installed properly.
>
> Dave
>
> **Dave Murray**
> Press Secretary | Executive Office of Governor Rick Snyder

MurrayD1@michigan.gov
517-335-6397, office

Twitter:@michigandmurray

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Lisabeth, Nicole (MSP)

From: Medrano, Sierra (MSP)
Sent: Friday, January 08, 2016 10:51 PM
To: Lisabeth, Nicole (MSP)
Subject: Re: Collins gate

Or she can call Jackie Hampton at

Sent from my iPhone

> On Jan 8, 2016, at 10:41 PM, Lisabeth, Nicole (MSP) <LisabethN@michigan.gov> wrote:
>
> Sierra,
>
> What number do PIOs call to get gate opened at Collins? Is it Ops?
>
> Tiff needs the number and I'm not sure if Meegan was provided with it.
>
> Thanks!
>
> -Nicole
> Sent from my iPhone

Lisabeth, Nicole (MSP)

From: Leix, Ron (MSP)
Sent: Friday, January 08, 2016 10:53 PM
To: Lisabeth, Nicole (MSP)
Subject: Fwd: SEOC Update 1/8/16 - Flint Water - Limited Distribution
Attachments: image001.png; ATT00001.htm; SitRep3 Flint Water.pdf; ATT00002.htm

Sent from my iPhone

Begin forwarded message:

From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: January 8, 2016 at 10:47:03 PM EST
To: "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Smith, Paul (GOV)" <SmithP29@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
Cc: "Banner, Shanon (MSP)" <BannerS@michigan.gov>, "Leix, Ron (MSP)" <LeixR@michigan.gov>, "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Holland, Meegan (GOV)" <HollandM2@michigan.gov>, "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov>
Subject: SEOC Update 1/8/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/8/16

SitRep 3 attached.

There is a significant difference in what is being presented by the media and what the local EOC is relaying to us at the SEOC. It is also being driven by the media that this is a state versus local response (who is providing more and quicker versus a coordinated effort between all). That said, I advised SEOC personnel that perception is reality in some eyes and we are to move forward to address items that typically are addressed at the local level. I have ordered the SEOC open all weekend due to make the quick wins that we need and continue to get the coordination and collaboration in place that is needed (but make gains on our own as needed).

Items to Note

- Two FEMA LNO's arrived today and are in the SEOC. A third LNO was requested from FEMA due to some unique issues with this event to include having to deploy more or my staff to the local EOC to get more structure and/or find out why there is an issue with the message the media is showing versus what we are hearing from the local EOC.

- We finally received from the local EOC 8 locations (we were told originally early in the week they had 80-90) that are their Points of Distribution (PODs) for water in conjunction with the local food bank. The PODs are not getting water from the food bank even though the food bank has water. We are going to resolve this issue as we can help deliver the water to the PODs but we were

not aware of this. 8 PODs is not enough locations if water needs to be distributed to citizens. Speaking with the ARC Regional Administrator later today, I believe ARC got water to those locations but I need to confirm that in the morning. The food bank reported they had 376 cases of water.

- We have learned that a low number of residents are testing their water when DEQ can test 400 kits per day. This is an added focus that we believe can be increased through dissemination of test kits with the filters and any water.

- I found out the Mayor was okay with using fire stations as distribution points for water, filters, and water test kits. While this did not come to me through the local EOC, I advised we needed to get water, filters, and test kits to these locations for tomorrow. The distribution at 5 Flint Fire Department stations has been coordinated to be in place by 10:00 am tomorrow morning.

    - DTMB has provided a truck and driver to pick up water test kits from DEQ lab in Lansing, water from the Food Bank and water filters and replacement cartridges from GCARD in Genesee County.
    - 10 American Red Cross (ARC) volunteers will meet the DTMB truck at GCARD at 9:00 am to be provided information about filters. Instructions will be included in water test kits. They will then report to the 5 fire stations to assist in distribution of resources to the public and track addresses of same.
    - Residents will be told where they can drop off their water test kits, or that they can return them to the fire station the next day. Coordination will occur on pick up of water test kits daily to be taken to the Flint City Hall, who will then delivery them to the DEQ testing lab.

- STILL FINALIZING - We have made available 2,000 Filters for distribution on Sunday as parishioners leave mass/services. This will be 200 filters for 10 churches in Flint. While this is a small number of churches, we do not want to waste an opportunity to hand out filters and this seems like a quick way to so. The filters will be put on the DTMB truck on Saturday for delivery to TBD locations for distribution. Logistics remain undetermined as I am still waiting on a list of the churches, pastors/reverends/hours or services/etc. The DTMB truck will be returning to Lansing approximately 11:00 a.m. so we need to finalize this quickly on Saturday. We may utilize ARC to assist with this.

- The Recovery branch is working with the JIC to develop a door hanger card. DTMB is working on the printing portion of the hanger card. Recovery will also be finalizing logistics over the weekend for neighborhood canvasing to occur early next week. 40 volunteers have signed up to attend training on Monday afternoon to complete this task. The mission will be to deliver water sample kits along with water filters/replacement cartridges, and water.

- It appears that 211 has become overloaded. DHHS is researching ways to increase capacity for calls.

- A Volunteer Management Coordinator is in the Genesee County EOC as of today.

- A Donations Management Coordinator has been requested and she will be in the Genesee County EOC Saturday.

- DHHS had a conference call with GM today; they indicated they can provide cash, and supplies, but primarily manpower. No commitments were made at this point. We inquired as to availability of warehouse space and trucks. It was left as GM being a major resource pool that we can tap into as we determine missions. Further conversations will occur, but primarily GM just wanted us to know they are there if needed.

- An additional EMHSD staff member was sent to the Genesee County EOC to act as Operations Section Chief and obtain awareness of the situation there.

- GIS staff met with various parts of Genesee County/Flint personnel to try to get a handle on data available.

- GIS continues to work with local GIS personnel with three GIS staff going to Flint today to work with them. GIS staff is working with U of M on how best to proceed with digitizing water lines for long term recovery.

Chris

UPDATE 1/7/16

A summary of some of today's SEOC activities is provided below. Attached is the following:

- Today's SitRep which contains more information than below.
- The resource request/task assignment sheet for your situational awareness. This is how locals request resources as well as how we track resources and any assignments and/or tasks that are to be completed.
- JIC Task Tracking – for your situational awareness on how we are tracking requests and assignments. Once someone is assigned a task or resource request it allows them to document what work has been or will be done as shown at the bottom of the document.

Items to note:

- I received a document this evening from Genesee County which appears to be damage assessment information. Analysis of this will occur tomorrow. It appears to be infrastructure and costs to fix it and no other impacts.
- I spoke with Jamie Curtis, Genesee County Commissioner, this evening. A very good relationship is in place with him, especially with our District Coordinator (DC). I also have our DC working on developing stronger relationships with the Mayor/Mayor's office.
- GIS staff continue to obtain data and work with County and City personnel to get a picture of where resources have been provided, need to be provided, as well as infrastructure locations (pipes) that could be affected.
- Personnel and agencies have been tasked with developing a plan to get people in the community to deliver information, hand out filters, etc. This would target those areas we are showing minimal or no filter distribution based on the data we are collecting. The plan is to get them in the field by Tuesday and the plan will be provided to me tomorrow.
- Filters can be obtained at the following locations:
  - Michigan Department of Health and Human Services office, 125 E. Union St., Flint, MI 48502
  - Michigan Department of Health and Human Services office, 4809 Clio Road, Flint, MI 48504
  - Genesee County Community Action Resource Department office, 2727 Lippincott, Flint, MI 48507
  - Genesee County Community Action Resource Department office, 601 N. Saginaw, Flint, MI 48502
- Conducted briefing with local EOC and county executive.

- Conducted briefing with state agencies (daily updates).
- Began work to schedule legislative/congressional conference calls. Tentatively scheduled for 2 p.m. Friday.
- JIC continued to develop messaging.
- Provided input to local EOC regarding best methods of identifying health and non-structural impacts for damage assessment process.
- Deployed two EMHSD/SEOC liaisons to assist the local EOC.
- Published the Incident Action Plan and continued assignment of objectives/tasks.
- FEMA Liaison Officers just arrived in Lansing to assist command and general staff.
- I spoke with Harvey a few times and he should have talking points later tonight or tomorrow a.m. for his use and also for others who may speak to media outside of state government who may benefit from our messaging.
- We held a media round table at 1 P.M. at the SEOC. Dr. Wells and I spoke and answered questions to numerous media outlets.
- Local agencies and NGOs continue to provide water and filters to citizens.
- The website, www.michigan.gov/flintwater, was update with information and links to assistance to include 211. Additional recommendations were provided to include information on the testing water in homes.

EMHSD GIS:

Accomplished Today:

- Reproduced Socio-Economic Status Map
- Reproduced Predicted Affected Populations Map
- Cleansed old data and reports for water filter distributions
- Created draft map of water filter distributions (Refinement needed before releasing final product)
- Scheduled on-site visit with Flint GIS Department and Genesee County GIS Department
- Formatted databases to host content
- Researched service line database creation and scheduled meeting with U of M Flint to discuss timelines and resource needs
- Generated water infrastructure map (does not include building service lines)

Tasks for Tomorrow:

- Meet with Flint City GIS
- Meet with Genesee County GIS
- Meet with U of M Flint GIS
- Finalize water filter distributions map
- Finalize plan for data distribution methods

Chris

UPDATE 1/6/16

A summary of today's SEOC activities is provided below. I tried to distill this as best I could but there has been a lot of activity and discussion to get an accurate assessment of the situation. Attached is the final draft of objectives and tactics for the operational period and agency situation report (SitRep) which has more SEOC agency information. I have implemented weekly operational periods.

Advise if you want anyone else copied or off this distribution.

Daily Update

- Set goals for SEOC and identified response/recovery emphasis
- Requested FEMA liaison officers (LNO) from FEMA Region V. Two LNOs will be on site by ~3 p.m. 1/7/16. Both are known contacts to me and some staff and one has worked extensively with me during the SE MI flooding in a command and control position. These personnel have been specifically tasked with this mission. **THEY ARE NOT HERE TO ASSIST WITH A *PRESIDENTIAL DECLARATION REQUEST BUT TO ASSIST ME.***
- PIOs from multiple agencies were here and established the Joint Information Center (JIC). News released pushed out on this. I am very happy with the PIO work and movement toward coordinated messaging.
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts to ensure situational awareness and to develop a common operating picture.
    - I opened the briefing by identifying our initial goals, items to think about while subject matter experts were briefing us, and how we are to move forward, find quick wins, and regain trust.
    - **MDHHS – Elevated Blood Lead Levels**
        - Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.
    - **MDEQ – Water Testing Protocols**
        - Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.
- Developed Incident objectives, strategy and tactics (see attached)
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 to 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan
- **Made contact with the Genesee County Emergency Manager first thing in the morning and held a conference call mid-day to discuss roles. Daily 0830 command conference calls with local EOC command staff starts tomorrow. Tomorrows call will include the County Commissioner and the City Administrator (both invited). Topics include the incident action plan objectives and establishing better local coordination, command and control to facilitate integration with the SEOC. The local EOC is not functioning as it needs to with personnel and local coordination and we are working on that issue.**
- I will be in Flint tomorrow for a 2 p.m. media round table with local officials that was set up by the JIC.
- The attached initial objectives will be updated at least every operational period and as needed. I listed the objectives below but the tactics to accomplish them is in the attached if you want further information.
    1. Activate the State Recovery Task Force (SRTF).
    2. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts.
    3. Obtain and maintain situational awareness and common operating picture of all activities.
    4. Establish SEOC operational period and hours of operations.
    5. Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program.
    6. Develop a comprehensive GIS strategy.
    7. Coordinate response and recovery activities with MIVOAD and identify potential mission areas.

8. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies.
9. Provide technical assistance to the local Damage Assessment process.
10. Establish a Joint Information Center (JIC) and develop a public information strategy.
11. Monitor MI CIMS for resource requests and address as appropriate.
12. Establish and disseminate cost center information for the incident.

- Additional tasks include:
  - Determine what federal agencies are already involved and their status
  - Identify potential water supplies
  - Determine where affected homes are located, where filters/pitchers (and replacements) were installed/provided, and determine who needs filters, etc.
  - Determine how filter distribution is handled, and if it can be handled more efficiently and effectively
  - Determine what mechanisms are in place for nutrition supplementation

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC
- Established a daily call with county and city GIS personnel to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
  - Water Pipeline Locations
  - Filter Distribution Locations
  - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
  - Affected School Locations
  - Predictive analysis of blood lead levels for affected area
  - Updated Parcels
  - Demographics
  - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to obtain the data

Chris

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:13 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: RE: Update - Genesee County Declaration

I forgot to advise that we have asked key state agency PIOs to be in the SEOC for the briefing.

From: Kelenske, Chris (MSP)
Sent: Tuesday, January 05, 2016 6:06 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Update - Genesee County Declaration

Below are some key points for your situational awareness (FYSA) that have taken place or will take place within the next 15 hours.

- I was on the phone with Sean Kammer, Assistant to the Flint City Administrator, when the declaration hit the news so I advised him immediately. He was going to let the City Administrator know.
- I contacted MSP Lt. Roach, 3rd District Coordinator, who was at the Genesee County EOC and advised her to let the County EM know the declaration status.
- State Emergency Management Coordinators (SEMCs) were notified via our notification system with additional information in an email.
    - This included information on the SEOC activation and a 0900 briefing for SEMCs.
    - Some subject matter experts will provide us an update to establish a common operating picture.
- We have been in contact with FEMA Region V watch desk ... they will be on the call tomorrow and continue to monitor the situation.
- I have been in contact with the FEMA Region V Administrator to keep him updated.
- Operational period for the SEOC will be M-F, 0800 to 1700 at this time.
- Situation Reports (SitReps) will be provided in the evenings.
- An Incident Action Plan will be developed tomorrow.

Call me with any concerns or questions.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

MSP-EOC-MDTMB

From: Shane, Kirby (DEQ)
Sent: Wednesday, January 20, 2016 3:09 PM
To: Nina_Cole@vwr.com
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: RE: HDPE Bottle update Tracking included

Hi Nina – I just tracked the 1 case coming to the Lab for lot testing and UPS indicates that it won't be here until Friday. Any way for you to change this to Tomorrow?

Kirby Shane
Chief, Inorganic Unit
Laboratory Services
MichiganDEQ
shanek@michigan.gov
517.335.9888

From: Nina_Cole@vwr.com [mailto:Nina_Cole@vwr.com]
Sent: Tuesday, January 19, 2016 5:30 PM
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: Re: HDPE Bottle update Tracking included

Hello Everyone,

Please see below for the tracking information for the shipments that will arrive tomorrow.

The 41 cases going to Flint, MI are being shipped UPS Freight, tracking # 319315780
1 case going to Lansing, MI UPS Ground, tracking # 1Z91AE800371241770

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

From: Nina Cole/VWRI
To: "Adelman, Mitch (DEQ)" <ADELMANM@michigan.gov>, "Krisztian, George (DEQ)" <krisztiang@michigan.gov>, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>, "Pieper, Julia (DEQ)" <PIEPERJ2@michigan.gov>, "Shane, Kirby (DEQ)" <SHANEK@michigan.gov>, "Smith, Carol (DEQ)" <SMITHC@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan.gov>, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>, "Premoe, Tara (DEQ)" <PremoeT@michigan.gov>, JOHNSOND7@michigan.gov, SambiagioM@michigan.gov,
Cc: Andy Garrison/VWRI@VWRI, Lewis McMillan/VWRI@VWRI
Date: 01/19/2016 04:34 PM
Subject: HDPE Bottle update

Hello everyone,

Thank you for all of the calls yesterday and today. I would like to update everyone on the status of the VWR order, order number 8018384025 for 150 cases of 71001-158. We have C&G container shipping 42 cases tonight. One case will be going to Kirby at the Lansing lab and 41 cases are to arrive in Flint. When shipments have tracking information we will be able to send the tracking information to all of you.

For the Friday shipment, C&G will now only be able to allot 50 cases to the shipment. I have called and alerted Kirby and the Emergency Management team about this development. They have assured me that this will work fine.

Next week our C&G rep will update us as soon as we know the remaining 58 cases will be shipping. I will continue to update everyone if there are any changes. I will also be sending the tracking information to everyone on this email chain when I receive it.

Please let me know if there is anyone else that needs to be added to this email chain for updates about this bottle order.

If MDEQ can forecast how many more bottles that will be needed in the future we will be able to avoid the rush shipment charges. C&G has waived a 25% fee that usually accompanies the rush order's assembly for this shipment but I do not think they will waive the 25% rush assembly fee for any future orders.

Please let me know if you have any questions.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

MSP-EOC-MDTMB

From: JICManager
Sent: Wednesday, January 20, 2016 10:50 AM
To: MSP-seoclgc
Cc: MSP-EOC-MDHS; Hunter, Janet (DHHS); Holmes, Virginia (DHHS); MSP-SEOCOPSC; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: RE: Companies offering to help with infrastructure

We will discuss with Shanon and get back to you.

From: MSP-seoclgc
Sent: Wednesday, January 20, 2016 10:44 AM
To: JICManager
Cc: MSP-EOC-MDHS; Hunter, Janet (DHHS); Holmes, Virginia (DHHS); MSP-SEOCOPSC; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: RE: Companies offering to help with infrastructure

I just spoke with Capt. We need to separate the donations information from the business contracted services on any email account. I would suggest that DHHS would then monitor the donations account and the other account would be setup with an autoreply → we will review the information and contact them only if we have assessed the need for their services. We can then periodically review and retain this information in this account as a reference for possible contract use if needed.

Any feedback on this?
Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: JICManager
Sent: Wednesday, January 20, 2016 9:59 AM
To: Stoken, Laura (GOV); MSP-seoclgc
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: RE: Companies offering to help with infrastructure

MSP is working on potentially creating an email account to route those types of offers/recommendations to, which we could then include in releases and the website.

From: Stoken, Laura (GOV)
Sent: Wednesday, January 20, 2016 9:57 AM
To: MSP-seoclgc; JICManager
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: Companies offering to help with infrastructure

Hi Team,

Do you have a place you want us to forward companies offering their product to help with the flint situation. We have been getting an influx of offers on filter systems, construction companies.....

Or maybe we could add a tab at http://www.helpforflint.com/ ?

Please advise:

Thank you,

Laura Stoken
Manager, Constituent Relations
Executive Office of the Governor, Rick Snyder
517.335.7858

MSP-EOC-MDTMB

From: MSP-seoclgc
Sent: Wednesday, January 20, 2016 10:45 AM
To: JICManager
Cc: MSP-EOC-MDHS; Hunter, Janet (DHHS); Holmes, Virginia (DHHS); MSP-SEOCOPSC; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: RE: Companies offering to help with infrastructure

I just spoke with Capt. We need to separate the donations information from the business contracted services on any email account. I would suggest that DHHS would then monitor the donations account and the other account would be setup with an autoreply → we will review the information and contact them only if we have assessed the need for their services. We can then periodically review and retain this information in this account as a reference for possible contract use if needed.

Any feedback on this?
Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: JICManager
Sent: Wednesday, January 20, 2016 9:59 AM
To: Stoken, Laura (GOV); MSP-seoclgc
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: RE: Companies offering to help with infrastructure

MSP is working on potentially creating an email account to route those types of offers/recommendations to, which we could then include in releases and the website.

From: Stoken, Laura (GOV)
Sent: Wednesday, January 20, 2016 9:57 AM
To: MSP-seoclgc; JICManager
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: Companies offering to help with infrastructure

Hi Team,

Do you have a place you want us to forward companies offering their product to help with the flint situation. We have been getting an influx of offers on filter systems, construction companies.....

Or maybe we could add a tab at http://www.helpforflint.com/ ?

Please advise:

Thank you,

Laura Stoken
Manager, Constituent Relations
Executive Office of the Governor, Rick Snyder
517.335.7858

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MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 20, 2016 9:54 AM
To: Christensen, Chris (DTMB); McKee, Ryan (DTMB)
Cc: MSP-EOC-MDTMB
Subject: Morning Update

- DEQ has additional bottles arring today for testing kits that ARC volunteers will assemble
- DHHS is reporting there are not any Brita filters available at this point, PUR only
- National Guard has 10 teams with 10 personnel water response teams today and will bring in an additional 8 teams on Thursday
- Red Cross has 8 water response teams today
- DTMB has 6 drivers with trucks assisting in distribution of supplies to distribution sites

DTMB resource requests currently assisting with:

- Warehouse space close by State Laboratory for DEQ to house testing kits that may be needed due to ligation
- FEMA work space within the Flint State Office Building

Jeanette

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 20, 2016 9:00 AM
To: Bailey, Maureen (DTMB)
Cc: Doxie, William (DTMB); MSP-EOC-MDTMB
Subject: Leased

Hi Maureen --

This email is in response to the voicemail I left on your desk phone this morning.
DEQ is requesting the following:

Temperature controlled warehouse space near 3350 N. MLK (State Lab)
1500 square feet (estimate or slightly larger)
Space will need to allow for double stacking of pallets
Duration – at least a year, samples will need to be held due to litigation

Let me know if you need additional information.

Thanks for your help!

Jeanette

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Dehner, Amy (MSP)
Sent: Wednesday, January 20, 2016 6:49 AM
To: Twohig, Lauren
Cc: MSP-EOC-MDARD; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: Re: For Action: WRT 1.20.16

Just clarifying as we had discussed this during our conference call yesterday, we are putting out 10 teams, not 9.

Sent from my iPhone

On Jan 20, 2016, at 2:11 AM, Twohig, Lauren <Lauren.Twohig@redcross.org> wrote:

> Good Morning,
>
> Attached is the updated WRT plan for today. I've highlighted changes in red.
>
> Please let me know if there are any questions.
>
> Thank you
> Lauren
>
> **Attachments**

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Wednesday 01 20 16_V2.0_FINAL

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobil[redacted] en.twohig@redcross.org

<Flint Water Response Team Plan for Wednesday 01 20 16_FINAL.pdf>

MSP-EOC-MDTMB

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Wednesday, January 20, 2016 2:12 AM
To: MSP-EOC-MDARD; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); *Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)*
Subject: For Action: WRT 1.20.16
Attachments: Flint Water Response Team Plan for Wednesday 01 20 16_FINAL.pdf

Good Morning,

Attached is the updated WRT plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Wednesday 01 20 16_V2.0_FINAL

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobile auren.twohig@redcross.org

MSP-EOC-MDTMB

From: Nina_Cole@vwr.com
Sent: Tuesday, January 19, 2016 9:14 PM
To: Shane, Kirby (DEQ)
Cc: Adelman, Mitch (DEQ); Krisztian, George (DEQ); MSP-EOC-MDTMB; Pieper, Julia (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); MSP-EOC-MDEQ; Premoe, Tara (DEQ); Johnson, Dora (DEQ); Sambiagio, Melissa (DTMB); Andy_Garrison@vwr.com; Lewis_McMillan@VWR.COM
Subject: Re: HDPE Bottle update

Hi Kirby,

Thank you for the reminder. This was understood and confirmed as a note on the order but I will reiterate tomorrow with the C&G rep again as we are now expecting a possible second lot.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

Please excuse any typing errors this is sent from my iPhone.

On Jan 19, 2016, at 8:17 PM, Shane, Kirby (DEQ) <SHANEK@michigan.gov> wrote:

> Thank you Nina! One comment to add, that any new Lot numbers of cases will have one case shipped to the Lab for lot testing.
>
> Kirby

From: Nina_Cole@vwr.com <Nina_Cole@vwr.com>
Sent: Tuesday, January 19, 2016 4:34 PM
To: Adelman, Mitch (DEQ); Krisztian, George (DEQ); MSP-EOC-MDTMB; Pieper, Julia (DEQ); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); MSP-EOC-MDEQ; Premoe, Tara (DEQ); Johnson, Dora (DEQ); Sambiagio, Melissa (DTMB)

Cc: Andy_Garrison@vwr.com; Lewis_McMillan@VWR.COM
Subject: HDPE Bottle update

Hello everyone,

Thank you for all of the calls yesterday and today. I would like to update everyone on the status of the VWR order, order number 8018384025 for 150 cases of 71001-158. We have C&G container shipping 42 cases tonight. One case will be going to Kirby at the Lansing lab and 41 cases are to arrive in Flint. When shipments have tracking information we will be able to send the tracking information to all of you.

For the Friday shipment, C&G will now only be able to allot 50 cases to the shipment. I have called and alerted Kirby and the Emergency Management team about this development. They have assured me that this will work fine.

Next week our C&G rep will update us as soon as we know the remaining 58 cases will be shipping. I will continue to update everyone if there are any changes. I will also be sending the tracking information to everyone on this email chain when I receive it.

Please let me know if there is anyone else that needs to be added to this email chain for updates about this bottle order.

If MDEQ can forecast how many more bottles that will be needed in the future we will be able to avoid the rush shipment charges. C&G has waived a 25% fee that usually accompanies the rush order's assembly for this shipment but I do not think they will waive the 25% rush assembly fee for any future orders.

Please let me know if you have any questions.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Tuesday, January 19, 2016 7:40 PM
To: MSP-EOC-MDTMB
Subject: RE: Doc
Attachments: DTMB Resources & Expenses.xlsx

For your records.

From: MSP-EOC-MDTMB
Sent: Tuesday, January 19, 2016 5:28 PM
To: MSP-EOC-MDTMB
Subject: Doc

MSP-EOC-MDTMB

From: Shane, Kirby (DEQ)
Sent: Tuesday, January 19, 2016 6:46 PM
To: Nina_Cole@vwr.com; Adelman, Mitch (DEQ); Krisztian, George (DEQ); MSP-EOC-MDTMB; Pieper, Julia (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); MSP-EOC-MDEQ; Premoe, Tara (DEQ); Johnson, Dora (DEQ); Sambiagio, Melissa (DTMB)
Cc: Andy_Garrison@vwr.com; Lewis_McMillan@VWR.COM
Subject: Re: HDPE Bottle update

Thank you Nina! One comment to add, that any new Lot numbers of cases will have one case shipped to the Lab for lot testing.

Kirby

From: Nina_Cole@vwr.com <Nina_Cole@vwr.com>
Sent: Tuesday, January 19, 2016 4:34 PM
To: Adelman, Mitch (DEQ); Krisztian, George (DEQ); MSP-EOC-MDTMB; Pieper, Julia (DEQ); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); MSP-EOC-MDEQ; Premoe, Tara (DEQ); Johnson, Dora (DEQ); Sambiagio, Melissa (DTMB)
Cc: Andy_Garrison@vwr.com; Lewis_McMillan@VWR.COM
Subject: HDPE Bottle update

Hello everyone,

Thank you for all of the calls yesterday and today. I would like to update everyone on the status of the VWR order, order number 8018384025 for 150 cases of 71001-158. We have C&G container shipping 42 cases tonight. One case will be going to Kirby at the Lansing lab and 41 cases are to arrive in Flint. When shipments have tracking information we will be able to send the tracking information to all of you.

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Next week our C&G rep will update us as soon as we know the remaining 58 cases will be shipping. I will continue to update everyone if there are any changes. I will also be sending the tracking information to everyone on this email chain when I receive it.

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If MDEQ can forecast how many more bottles that will be needed in the future we will be able to avoid the rush shipment charges. C&G has waived a 25% fee that usually accompanies the rush order's assembly for this shipment but I do not think they will waive the 25% rush assembly fee for any future orders.

Please let me know if you have any questions.

Best,

Nina

Nina Cole

Sales Representative
VWR International/Michigan
Education and Medical Research
nina.cole@vwr.com
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Fax (610) 728-2517
http://www.vwr.com

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MSP-EOC-MDTMB

From: Nina_Cole@vwr.com
Sent: Tuesday, January 19, 2016 5:30 PM
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: Re: HDPE Bottle update Tracking included

Hello Everyone,

Please see below for the tracking information for the shipments that will arrive tomorrow.

The 41 cases going to Flint, MI are being shipped UPS Freight, tracking # 319315780
1 case going to Lansing, MI UPS Ground, tracking # 1Z91AE800371241770

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_ cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

From: Nina Cole/VWRI
To: "Adelman, Mitch (DEQ)" <ADELMANM@michigan gov>, "Krisztian, George (DEQ)" <krisztiang@michigan gov>, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>, "Pieper, Julia (DEQ)" <PIEPERJ2@michigan.gov>, "Shane, Kirby (DEQ)" <SHANEK@michigan gov>, "Smith, Carol (DEQ)" <SMITHC@michigan gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan gov>, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>, "Premoe, Tara (DEQ)" <PremoeT@michigan.gov>, JOHNSOND7@michigan.gov, SambiagioM@michigan gov,
Cc: Andy Garrison/VWRI@VWRI, Lewis McMillan/VWRI@VWRI
Date: 01/19/2016 04:34 PM
Subject: HDPE Bottle update

Hello everyone,

Thank you for all of the calls yesterday and today. I would like to update everyone on the status of the VWR order, order number 8018384025 for 150 cases of 71001-158. We have C&G container shipping 42 cases tonight. One case will be going to Kirby at the Lansing lab and 41 cases are to arrive in Flint. When shipments have tracking information we will be able to send the tracking information to all of you.

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Please let me know if there is anyone else that needs to be added to this email chain for updates about this bottle order.

If MDEQ can forecast how many more bottles that will be needed in the future we will be able to avoid the rush shipment charges. C&G has waived a 25% fee that usually accompanies the rush order's assembly for this shipment but I do not think they will waive the 25% rush assembly fee for any future orders.

Please let me know if you have any questions.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Tuesday, January 19, 2016 5:28 PM
To: MSP-EOC-MDTMB
Subject: Doc
Attachments: Contact List.xlsx

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MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 19, 2016 5:25 PM
To: Cook, Rebecca (DTMB); Christensen, Chris (DTMB)
Cc: Rigg, Steve (DTMB); MSP-EOC-MDTMB; Sambiagio, Melissa (DTMB); Premoe, Tara (DEQ)
Subject: RE: FEMA - Genesee County

Rebecca – responses below.

Jeanette

From: Cook, Rebecca (DTMB)
Sent: Tuesday, January 19, 2016 5:13 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>; Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Rigg, Steve (DTMB) <RiggS@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>; Sambiagio, Melissa (DTMB) <SambiagioM@michigan.gov>; Premoe, Tara (DEQ) <PremoeT@michigan.gov>
Subject: RE: FEMA - Genesee County

Jeanette

Do you know if they are maintaining the same make/model for the water filters, replacement cartridges, and water testing kits? Yes

Should DEQ cancel pending orders for water testing materials? Do you need a briefing on pending orders for your FEMA contact? (Melissa and Tara can provide.) I forwarded an email from Tara Premoe, please review.
Thank you.

Rebecca

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 19, 2016 4:13 PM
To: Cook, Rebecca (DTMB) <CookR6@michigan.gov>; Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Rigg, Steve (DTMB) <RiggS@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: RE: FEMA - Genesee County

Rebecca –

I had a chance to sit down with the FEMA Logistics Chief and was able to obtain some information. Right now, FEMA is in the transition of taking over the purchasing of water, filters, cartridges and water testing kits. However, they stated this is just for the next few months and then it will transition back to the state. They will work with the state before walking away, but said to definitely maintain awareness of what product is available (water, filters, cartridges, bottles).

Great questions!

Jeanette

From: Cook, Rebecca (DTMB)
Sent: Tuesday, January 19, 2016 12:12 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>; Rigg, Steve (DTMB) <RiggS@michigan.gov>
Subject: FEMA - Genesee County

Chris

I have a few questions about FEMA's involvement:

- Is there a time frame as to how long they are providing bottled water? If needed, should State be prepared to take back over in several months for example? Yes – although FEMA will provide contract information along with transferring contract over to the state
- Are you the contact providing FEMA usage estimates for bottled water? MSP, Red Cross, DHHS and FEMA are determining this
- Will FEMA be stepping in for other items like water filters and replacement cartridges? (If so, see above questions. Steve and Home Depot will have a few more.) Yes
- What about collection bottles for water testing? FEMA

Steve was going to reach out to Jeanette on some of this. Apologies for any duplication but Jeff Brownlee asked me to send you a note.

Please let me know if you have questions.

Thank you.
Rebecca Cook
DTMB Procurement
Commodities Division Director
517-284-7008
Cell

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Miller, Mark (DTMB)
Sent: Monday, January 25, 2016 9:33 AM
To: MSP-EOC-MDTMB
Subject: RE: Printing
Attachments: Flint Water Crisis Costs.xlsx

Jeanette, the Arabic cards are done.
If you need us to run them out to Collins Rd we can.
If you can't get them there, let me know.

Attached are the costs so far for printing of the forms and cards.

Mark Miller
Print & Mail Consultant
Printing Services
General Services Building
7461 Crowner Dr
Lansing MI 48913
P-517-322-6455
F-517-322-5968

DTMB
HELP. CONNECT. SOLVE.

From: MSP-EOC-MDTMB
Sent: Sunday, January 24, 2016 4:02 PM
To: Miller, Mark (DTMB) <millerm13@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Printing

Hi Mark –

Attached is the latest palm card that we need printed. 1,000 copies requested - will discuss delivery for Monday with you in the morning. Please have it printed in the morning.

Thank you –

Jeanette

MSP-EOC-MDTMB

From: Tefft, Niki (DTMB)
Sent: Monday, January 25, 2016 9:33 AM
To: Philip, Brandon (DTMB)
Cc: MSP-EOC-MDTMB; Doll, Jeanette (DTMB)
Subject: RE: Flint Parking - Priority Request

There are only 5 more reserved spaces available in the Flint ramp. I have reserved the additional 5 spaces, I can assign the remaining 10 spaces in the random area.

Thank you,

Niki Tefft, Crew Leader
DTMB- Cybersecurity & Infrastructure Protection
Customer Service Center & Parking
Office: 517.373.3420
Fax: 517.241.4658

DTMB
HELP. CONNECT. SOLVE.

From: Philip, Brandon (DTMB)
Sent: Monday, January 25, 2016 8:10 AM
To: Tefft, Niki (DTMB)
Cc: MSP-EOC-MDTMB; Doll, Jeanette (DTMB)
Subject: RE: Flint Parking - Priority Request
Importance: High

Niki –

See below. Michelle helped with the previous request when you were on vacation. Will you please see what options exist for accommodating this need?

Thanks!

Brandon Philip
Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

From: Doll, Jeanette (DTMB)
Sent: Sunday, January 24, 2016 3:06 PM
To: Philip, Brandon (DTMB) <philipb@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: RE: Flint Parking - Priority Request

Brandon –

Any chance to come up with another 15 spots in the ramp for FEMA folks? We have been asked to find space for a total of 40 FEMA personnel. (25 spots were given previously)

Jeanette

From: Philip, Brandon (DTMB)
Sent: Tuesday, January 19, 2016 1:21 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Cc: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: FW: Flint Parking - Priority Request

Jeanette –

Attached are maps showing 25 RESERVED parking spaces in the Flint ramp that have been assigned to the Flint Water Emergency. Jeff suggested that we create contractor cards for the FEMA employees with pictures. If you can send me names, birthdates (if possible), pictures, and access needs, we'll create the access cards.

Thanks.

Brandon Philip
Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

From: Lawson, Michelle (DTMB) **On Behalf Of** Parking
Sent: Tuesday, January 19, 2016 10:51 AM
To: Philip, Brandon (DTMB) <philipb@michigan.gov>
Cc: Tefft, Niki (DTMB) <tefftn@michigan.gov>; Parking <Parking@michigan.gov>
Subject: RE: Flint Parking - Priority Request

Brandon-

I have attached maps of levels 3 and 4 with the spaces I've assigned to FEMA highlighted. All but 5 of the spaces are on the 4th level.

This took roughly 45 minutes to complete.

Thank you,

Michelle Lawson
DTMB- Cybersecurity & Infrastructure Protection

Customer Service Center
Office: 517.373.3420
Fax: 517.241.4658

DTMB
HELP. CONNECT. SOLVE.

From: Philip, Brandon (DTMB)
Sent: Tuesday, January 19, 2016 9:32 AM
To: Brennan, Tammy (DTMB); Lawson, Michelle (DTMB); Parking
Cc: Tefft, Niki (DTMB); Rokely, Rick (DTMB)
Subject: Flint Parking - Priority Request
Importance: High

Michelle and Tammy –

Please create an account in AIMS for the Flint Water Emergency and assign 25 reserved parking spaces to it (according to the numbers I have, we should have enough vacancies to accommodate this). I will also need parking maps with each of the assigned parking spaces highlighted (one set of maps with all spaces highlighted). I need this electronically...if you are unsure how to do this, please ask Rick for assistance.

I will need to know who completed this request and how much time it took...this is required for overall SEOC emergency cost tracking.

I would like to have this complete today.

Thank you!

Brandon Philip
Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Monday, January 25, 2016 8:29 AM
To: MSP-EOC-MDTMB
Subject: U-hauls
Attachments: U-Haul Contract 81617791; U-Haul Contract 81617859; U-Haul Contract 81617681; U-Haul Contract 81617921

4 of 9 returned Sunday

MSP-EOC-MDTMB

From: Philip, Brandon (DTMB)
Sent: Monday, January 25, 2016 8:10 AM
To: Tefft, Niki (DTMB)
Cc: MSP-EOC-MDTMB; Doll, Jeanette (DTMB)
Subject: RE: Flint Parking - Priority Request

Importance: High

Niki –

See below. Michelle helped with the previous request when you were on vacation. Will you please see what options exist for accommodating this need?

Thanks!

Brandon Philip
Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

From: Doll, Jeanette (DTMB)
Sent: Sunday, January 24, 2016 3:06 PM
To: Philip, Brandon (DTMB) <philipb@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: RE: Flint Parking - Priority Request

Brandon –

Any chance to come up with another 15 spots in the ramp for FEMA folks? We have been asked to find space for a total of 40 FEMA personnel. (25 spots were given previously)

Jeanette

From: Philip, Brandon (DTMB)
Sent: Tuesday, January 19, 2016 1:21 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Cc: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: FW: Flint Parking - Priority Request

Jeanette –

Attached are maps showing 25 RESERVED parking spaces in the Flint ramp that have been assigned to the Flint Water Emergency. Jeff suggested that we create contractor cards for the FEMA employees with pictures. If you can send me names, birthdates (if possible), pictures, and access needs, we'll create the access cards.

Thanks.

Brandon Philip

Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

From: Lawson, Michelle (DTMB) **On Behalf Of** Parking
Sent: Tuesday, January 19, 2016 10:51 AM
To: Philip, Brandon (DTMB) <philipb@michigan.gov>
Cc: Tefft, Niki (DTMB) <tefftn@michigan.gov>; Parking <Parking@michigan.gov>
Subject: RE: Flint Parking - Priority Request

Brandon-

I have attached maps of levels 3 and 4 with the spaces I've assigned to FEMA highlighted. All but 5 of the spaces are on the 4th level.

This took roughly 45 minutes to complete.

Thank you,

Michelle Lawson
DTMB- Cybersecurity & Infrastructure Protection
Customer Service Center
Office: 517.373.3420
Fax: 517.241.4658

DTMB
HELP. CONNECT. SOLVE.

From: Philip, Brandon (DTMB)
Sent: Tuesday, January 19, 2016 9:32 AM
To: Brennan, Tammy (DTMB); Lawson, Michelle (DTMB); Parking
Cc: Tefft, Niki (DTMB); Rokely, Rick (DTMB)
Subject: Flint Parking - Priority Request
Importance: High

Michelle and Tammy –

Please create an account in AIMS for the Flint Water Emergency and assign 25 reserved parking spaces to it (according to the numbers I have, we should have enough vacancies to accommodate this). I will also need parking maps with each

of the assigned parking spaces highlighted (one set of maps with all spaces highlighted). I need this electronically...if you are unsure how to do this, please ask Rick for assistance.

I will need to know who completed this request and how much time it took...this is required for overall SEOC emergency cost tracking.

I would like to have this complete today.

Thank you!

Brandon Philip
Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Miller, Mark (DTMB)
Sent: Monday, January 25, 2016 7:37 AM
To: MSP-EOC-MDTMB
Subject: RE: Printing

OK, thanks.

Mark Miller
Print & Mail Consultant
Printing Services
General Services Building
7461 Crowner Dr
Lansing MI 48913
P-517-322-6455
F-517-322-5968

DTMB
HELP. CONNECT. SOLVE.

From: MSP-EOC-MDTMB
Sent: Sunday, January 24, 2016 4:02 PM
To: Miller, Mark (DTMB) <millerm13@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Printing

Hi Mark –

Attached is the latest palm card that we need printed. 1,000 copies requested - will discuss delivery for Monday with you in the morning. Please have it printed in the morning.

Thank you –

Jeanette

MSP-EOC-MDTMB

From: MSP-seoclgc
Sent: Sunday, January 24, 2016 7:31 PM
To: JICManager
Cc: Nobach, Tonya (MSP); Galbreath, Wendy (MSP); MSP-EOC-MDTMB
Subject: FW: Chinese translation for door hanger
Attachments: FLINT WATER - CHINESE TRANSLATION.docx; ATT00001.htm; FLINT WATER - CHINESE TRANSLATION - 2pg.docx

Hi Sierra

As mentioned here is the Chinese translated palm care. Trevor Hawks sent the first copy (4pgs) I tried to edit to 2 pages. Neither of them look like print quality.

Trever did not think he would be able to format the Chinese version to put onto the palm card format.

It is your decision how you would like to proceed tomorrow

Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: Hawks, Trevor (MSP)
Sent: Sunday, January 24, 2016 6:51 PM
To: MSP-seoclgc
Subject: FW: Chinese translation for door hanger

Here it is, It will have to be printed as a packet as I could lose text with font incompatibilities if I try to insert it into my graphics program.

Let me know if I can help further.

Thanks!

Trevor

From: Moon, Jason (LARA)
Sent: Monday, January 18, 2016 1:37 PM
To: Hawks, Trevor (MSP)
Subject: Fwd: Chinese translation for door hanger

Trevor, just checking in to see if the palm cards will be translated into Chinese?

Jason Moon
Communications Director
Dept. of Licensing and Regulatory Affairs
517-373-9280

moonj@michigan.gov

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Begin forwarded message:

From: "Moon, Jason (LARA)" <moonj@michigan.gov>
Date: January 14, 2016 at 3:46:45 PM EST
To: "Hawks, Trevor (MSP)" <HawksT@michigan.gov>
Cc: "Goei, Bing (LARA)" <GoeiB@michigan.gov>
Subject: Chinese translation for door hanger

Trevor, here's a Chinese translation for the door hanger. Bing Goei, Director of the Office for New Americans, is copied on this email and helped obtain the translation. He may be able to assist going forward.

Jason Moon
Communications Director
Dept. of Licensing and Regulatory Affairs
517-373-9280
moonj@michigan.gov

LEGAL NOTICE: This e-mail is for the exclusive use of the intended recipient(s), and may contain privileged and confidential information. If you are not an intended recipient, please notify the sender, delete the e-mail from your computer and do not copy or disclose it to anyone else. Your receipt of this message is not intended to waive any applicable privilege. Neither this e-mail nor any attachment(s) establish an attorney-client relationship, constitute an electronic signature or provide consent to contract electronically, unless expressly so stated by the sender in the body of this e-mail or an attachment.

MSP-EOC-MDTMB

From:	MSP-SEOC5
Sent:	Sunday, January 24, 2016 5:55 PM
To:	Twohig, Lauren; MSP-EOC-MDSP; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seocigc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject:	Flint Water Response Team Plan for Monday 1/25/16
Attachments:	Flint Water Response Team Plan for Monday 01.25.16 FINAL.docx
Importance:	High

Attached is the final plan for Water Response Teams tomorrow, Monday, January 25.

Thank you,
Brianna

MSP-EOC-MDTMB

From: MSP-seocda2
Sent: Sunday, January 24, 2016 4:36 PM
To: MSP-EOC-MDTMB
Subject: Tracking #:SEOC - 0032271

Hey Jeanette

Is this one still active? Tracking #:SEOC – 0032271

I do not see it on the list.

Thanks
Sam

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Sunday, January 24, 2016 4:34 PM
To: MSP-EOC-MDTMB; Rakowski, Rock (DTMB)
Subject: Afternoon Update

MDOC taking over management of warehouse from Red Cross

Genesee County Sheriff's department has requested the use of 20 iPads for the next week as they continue to conduct canvasing of neighborhoods

DTMB

- Working with MDOC and Recovery to ensure enough vehicles/drivers are available to assist in distributing product to POD sites
- FEMA requested space for another 20 employees at the Flint State Office Building

DEQ – Working on EPA response, will contact agencies at the SEOC for assistance

MSP – Working on demobilization of rented/donated vehicles and volunteers

Jeanette

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Sunday, January 24, 2016 3:25 PM
To: MSP-EOC-MDTMB
Subject: FW: Demob of Uhauls

-----Original Message-----
From: FEDERALSEOC [mailto:FEDERALSEOC@michigan.gov]
Sent: Sunday, January 24, 2016 3:24 PM
To: Eickholt, Jay (MSP) <EickholtJ1@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>; Heintzelman Shasta <HeintzelmanS1@michigan.gov>
Subject: RE: Demob of Uhauls

Thank you Jay for the information! It sounds like you have a handle on it. If you need something from us, please let us know.

-----Original Message-----
From: Eickholt, Jay (MSP)
Sent: Sunday, January 24, 2016 3:19 PM
To: FEDERALSEOC; Heintzelman Shasta
Cc: Doll, Jeanette (DTMB)
Subject: RE: Demob of Uhauls

The redcross has U-hauls in their rotation as well. If they all get to one spot the MSP and Sheriff team leads can get them back to the Uhaul dealer on S. Dort.

From: FEDERALSEOC
Sent: Sunday, January 24, 2016 2:07 PM
To: Heintzelman Shasta; Eickholt, Jay (MSP)
Cc: Doll, Jeanette (DTMB)
Subject: Demob of Uhauls

Hi,

The 9 Uhauls are only rented through tomorrow so they need to be returned no later than Monday at 4 PM to the 1911 S. Dort Hwy location. The Guard will ensure they are gassed up and parked at the warehouse at the end of today, but arrangements need to be made to get them back. The two resource requests numbers are SEOC-3913802 and EXT 5016084.

Please let us know if you have any questions. Thanks!

Stacy
Recovery Unit

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Sunday, January 24, 2016 3:06 PM
To: Philip, Brandon (DTMB)
Cc: MSP-EOC-MDTMB
Subject: RE: Flint Parking - Priority Request

Brandon –

Any chance to come up with another 15 spots in the ramp for FEMA folks? We have been asked to find space for a total of 40 FEMA personnel. (25 spots were given previously)

Jeanette

From: Philip, Brandon (DTMB)
Sent: Tuesday, January 19, 2016 1:21 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Cc: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: FW: Flint Parking - Priority Request

Jeanette –

Attached are maps showing 25 RESERVED parking spaces in the Flint ramp that have been assigned to the Flint Water Emergency. Jeff suggested that we create contractor cards for the FEMA employees with pictures. If you can send me names, birthdates (if possible), pictures, and access needs, we'll create the access cards.

Thanks.

Brandon Philip
Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

From: Lawson, Michelle (DTMB) **On Behalf Of** Parking
Sent: Tuesday, January 19, 2016 10:51 AM
To: Philip, Brandon (DTMB) <philipb@michigan.gov>
Cc: Tefft, Niki (DTMB) <tefftn@michigan.gov>; Parking <Parking@michigan.gov>
Subject: RE: Flint Parking - Priority Request

Brandon-

I have attached maps of levels 3 and 4 with the spaces I've assigned to FEMA highlighted. All but 5 of the spaces are on the 4th level.

This took roughly 45 minutes to complete.

Thank you,

Michelle Lawson
DTMB- Cybersecurity & Infrastructure Protection
Customer Service Center
Office: 517.373.3420
Fax: 517.241.4658

DTMB
HELP. CONNECT. SOLVE.

From: Philip, Brandon (DTMB)
Sent: Tuesday, January 19, 2016 9:32 AM
To: Brennan, Tammy (DTMB); Lawson, Michelle (DTMB); Parking
Cc: Tefft, Niki (DTMB); Rokely, Rick (DTMB)
Subject: Flint Parking - Priority Request
Importance: High

Michelle and Tammy –

Please create an account in AIMS for the Flint Water Emergency and assign 25 reserved parking spaces to it (according to the numbers I have, we should have enough vacancies to accommodate this). I will also need parking maps with each of the assigned parking spaces highlighted (one set of maps with all spaces highlighted). I need this electronically...if you are unsure how to do this, please ask Rick for assistance.

I will need to know who completed this request and how much time it took...this is required for overall SEOC emergency cost tracking.

I would like to have this complete today.

Thank you!

Brandon Philip
Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Sunday, January 24, 2016 3:03 PM
To: MSP-EOC-MDTMB
Subject: FW: Demob of Uhauls

-----Original Message-----
From: Eickholt, Jay (MSP)
Sent: Sunday, January 24, 2016 3:00 PM
To: FEDERALSEOC <FEDERALSEOC@michigan.gov>; Heintzelman Shasta <HeintzelmanS1@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: RE: Demob of Uhauls

All U-hauls are currently being utilized by the American Red Cross Teams. They were advised via Mike Johnson that they need to be turned in by 11:00am tomorrow 1/25/16.

-Jay

From: FEDERALSEOC
Sent: Sunday, January 24, 2016 2:07 PM
To: Heintzelman Shasta; Eickholt, Jay (MSP)
Cc: Doll, Jeanette (DTMB)
Subject: Demob of Uhauls

Hi,

The 9 Uhauls are only rented through tomorrow so they need to be returned no later than Monday at 4 PM to the 1911 S. Dort Hwy location. The Guard will ensure they are gassed up and parked at the warehouse at the end of today, but arrangements need to be made to get them back. The two resource requests numbers are SEOC-3913802 and EXT 5016084.

Please let us know if you have any questions. Thanks!

Stacy
Recovery Unit

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Sunday, January 24, 2016 2:17 PM
To: MSP-EOC-MDTMB
Subject: FW: Demob of Uhauls

From: FEDERALSEOC [mailto:FEDERALSEOC@michigan.gov]
Sent: Sunday, January 24, 2016 2:07 PM
To: Heintzelman Shasta <HeintzelmanS1@michigan.gov>; Eickholt, Jay (MSP) <EickholtJ1@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Demob of Uhauls

Hi,

The 9 Uhauls are only rented through tomorrow so they need to be returned no later than Monday at 4 PM to the 1911 S. Dort Hwy location. The Guard will ensure they are gassed up and parked at the warehouse at the end of today, but arrangements need to be made to get them back. The two resource requests numbers are SEOC-3913802 and EXT 5016084.

Please let us know if you have any questions. Thanks!

Stacy
Recovery Unit

MSP-EOC-MDTMB

From: MSP-EOC-MDEQ
Sent: Sunday, January 24, 2016 10:28 AM
To: MSP-EOC-MDTMB
Subject: FW: Resource Request

Importance: High

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Krisztian, George (DEQ)
Sent: Sunday, January 24, 2016 10:12 AM
To: MSP-EOC-MDEQ
Subject: Resource Request
Importance: High

I need someone with Crystal Report expertise to spend a couple of hours with me at the lab so that I can make a modification to the report that is going out to Flint residents.

Basically what I need to know is how to set up a string within the report that will take a field value and multiply it by 1000 so that results can be converted from ppm to ppb. The logic will need to take into account the fact that the field in question is a text field and not a numerical field. Logic will also need to be built into the string to accommodate for values such as "Not Detected"

This must be done at the Lab and I need to work with this individual. There is a lot of custom interfacing that is going on and it is not as straight forward as giving someone a Crystal Reports file and asking them to incorporate the requested logic.

Thank you
George

George L. Krisztian
Flint Action Plan Coordinator
Laboratory Director
Michigan Department of Environmental Quality
Desk ph (517) 284-6719
Cell ph

MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 7:46 PM
To: MSP-EOC-MDTMB
Subject: Question

Rock, what's the best phone number to reach you at?

Thanks Chris

MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 3:56 PM
To: MSP-EOC-MDTMB; Doll, Jeanette (DTMB); McKee, Ryan (DTMB); Rakowski, Rock (DTMB)
Cc: Hummel, Mindy (DTMB)
Subject: FW: SEOC Request - Add State Email to iPhones

Both Phones are now set up.

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov
DTMB
HELP. CONNECT. SOLVE.

From: Mruzek, Brad (DTMB)
Sent: Saturday, January 23, 2016 3:55 PM
To: Baker, Linda (DTMB) <BakerL@michigan.gov>; Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Subject: Re: SEOC Request - Add State Email to iPhones

Thanks Chris, I'm just sending a quick follow up to let you know that Janet's phone is now setup. Feel free to let me know if you need anything further.

Enjoy the weekend!

-------- Original Message --------
From: "Baker, Linda (DTMB)" <BakerL@michigan.gov>
Date: Sat, January 23, 2016 1:49 PM -0500
To: "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>, "Mruzek, Brad (DTMB)" <MruzekB@michigan.gov>
Subject: Re: SEOC Request - Add State Email to iPhones

You are very welcome!

Thanks, Linda
Smart Device Support Team Manager
DTMB, I&O - Design & Delivery Services
Ops Center – 1CC
7285 Parsons Dr.
Lansing, MI 48913
Desk: 517-636-0435
Email: BakerL@Michigan.gov

-------- Original Message --------
From: "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>
Date: Sat, January 23, 2016 1:41 PM -0500
To: "Mruzek, Brad (DTMB)" <MruzekB@michigan.gov>
CC: "Baker, Linda (DTMB)" <BakerL@michigan.gov>
Subject: Re: SEOC Request - Add State Email to iPhones

Thank you both for your help today. I especially appreciated Brad calling to confirm everything with me!

Thanks Chris

On Jan 23, 2016, at 1:32 PM, Mruzek, Brad (DTMB) <MruzekB@michigan.gov> wrote:

> Hey Linda,
>
> I was able to setup the email on Chad's phone but I haven't been able to make contact with Janet. I tried her personal phone, work phone, and sent an email. I'll let you know if I hear from her.
>
> Thanks,
>
> Brad
>
> ---
>
> **From:** Baker, Linda (DTMB)
> **Sent:** Saturday, January 23, 2016 12:35 PM
> **To:** Mruzek, Brad (DTMB) <MruzekB@michigan.gov>
> **Subject:** Fwd: FW: SEOC Request - Add State Email to iPhones
>
> Can you take care of this? Call me if you have questions.
>
> Thanks, Linda
> Smart Device Support Team Manager
> DTMB, I&O - Design & Delivery Services
> Ops Center – 1CC
> 7285 Parsons Dr.
> Lansing, MI 48913
> Desk: 517-636-0435
> Email: BakerL@Michigan.gov
>
> -------- Original Message --------
> From: "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>
> Date: Sat, January 23, 2016 11:47 AM -0500
> To: "Baker, Linda (DTMB)" <BakerL@michigan.gov>
> Subject: FW: SEOC Request - Add State Email to iPhones
>
> Linda,
>
> I have a request to add email on to Phone's that are in Flint. My idea would be to have someone from the Smart Device team give them a call and MAKE SURE MaaS360 is on the phone. That way there is some security measures in place, and we can help if they need.
> Is that something someone on your team can take care of today? Below are the names and emails of the individuals that need this set up.
>
> Please let me know.
>
> Thanks,

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
@michigan.gov
<image001.png>

From: McKee, Ryan (DTMB)
Sent: Saturday, January 23, 2016 11:39 AM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>; Rakowski, Rock (DTMB) <RakowskiJ@michigan.gov>
Subject: SEOC Request - Add State Email to iPhones

Request to add state email to the two Verizon iPhones we issued this week.

Janet Hunter (hunterj8@michigan.gov)
- Chad Veeser (veeserc@michigan.gov)

These individuals are currently onsite in Flint providing donation management at the local level.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 3:48 PM
To: MSP-EOC-MDTMB
Subject: FW: Request from the SEOC

FYI -- please make sure they are aware of this.

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

-----Original Message-----
From: Partridge, Ken (DTMB)
Sent: Saturday, January 23, 2016 3:31 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Subject: RE: Request from the SEOC

You're welcome. If for any reason restarting Outlook doesn't work they may have to repair their Outlook profile or re-add the account,usually for a 2007 mailbox move restarting Outlook is enough.

My cell is if you need to call.

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 3:22 PM
To: Partridge, Ken (DTMB)
Cc: McQuaid, John (DTMB); Dale, Matthew (DTMB)
Subject: RE: Request from the SEOC

THANK YOU!!!

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

-----Original Message-----
From: Partridge, Ken (DTMB)
Sent: Saturday, January 23, 2016 3:22 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Dale, Matthew (DTMB) <DaleM1@michigan.gov>

Subject: RE: Request from the SEOC

I have moved the MSP-SEOCGIS and MSPSEOCGIS2 mailboxes to an MSP unlimited store. As long as they don't use more than 200 GB, the server should be able to handle it.

Users will have to restart Outlook and/or OWA for this to take effect.

The mailboxes are linked user mailboxes and not true shared mailboxes. They do not appear to have any ActiveSync traffic.

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 2:42 PM
To: Partridge, Ken (DTMB)
Cc: McQuaid, John (DTMB); Dale, Matthew (DTMB)
Subject: Re: Request from the SEOC

Thanks Ken!!

Thanks Chris

On Jan 23, 2016, at 2:41 PM, Partridge, Ken (DTMB) <partridgek@michigan.gov<mailto:partridgek@michigan.gov>> wrote:

Matt was covering on call this afternoon but I don't think he's moved mailboxes yet. My out of town plans fell through last minute so I can move these in about 45 minutes.

Kenneth Partridge
DTMB Design Team
Exchange, Office 365, and Comodo SSL Support _____
From: McQuaid, John (DTMB)
Sent: Saturday, January 23, 2016 7:26:44 PM
To: Partridge, Ken (DTMB)
Subject: Fwd: Request from the SEOC

------- Original Message -------
From: "Christensen, Chris (DTMB)" <christensenc4@michigan.gov<mailto:christensenc4@michigan.gov>>
Date: Sat, January 23, 2016 1:49 PM -0500
To: "McQuaid, John (DTMB)" <mcquaidj@michigan.gov<mailto:mcquaidj@michigan.gov>>
Subject: Request from the SEOC

John,

I am getting a request from the SEOC to have an increase due to the number of maps and data size of the mapping function, it is necessary to increase the mailbox size of

msp-seocgis@michigan.gov<mailto:msp-seocgis@michigan.gov> and msp-seocgis2@michigan.gov<mailto:msp-seocgis2@michigan.gov> to unlimited.

Who on your team should I contact to get this taken care of?

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell: |
Christensenc4@michigan.gov<mailto:Christensenc4@michigan.gov>
<image001.png>

MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 3:23 PM
To: MSP-EOC-MDTMB; Doll, Jeanette (DTMB); McKee, Ryan (DTMB); Rakowski, Rock (DTMB)
Subject: FW: Request from the SEOC

Complete.

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

-----Original Message-----
From: Partridge, Ken (DTMB)
Sent: Saturday, January 23, 2016 3:22 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Dale, Matthew (DTMB) <DaleM1@michigan.gov>
Subject: RE: Request from the SEOC

I have moved the MSP-SEOCGIS and MSPSEOCGIS2 mailboxes to an MSP unlimited store. As long as they don't use more than 200 GB, the server should be able to handle it.

Users will have to restart Outlook and/or OWA for this to take effect.

The mailboxes are linked user mailboxes and not true shared mailboxes. They do not appear to have any ActiveSync traffic.

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 2:42 PM
To: Partridge, Ken (DTMB)
Cc: McQuaid, John (DTMB); Dale, Matthew (DTMB)
Subject: Re: Request from the SEOC

Thanks Ken!!

Thanks Chris

On Jan 23, 2016, at 2:41 PM, Partridge, Ken (DTMB) <partridgek@michigan.gov<mailto:partridgek@michigan.gov>> wrote:

Matt was covering on call this afternoon but I don't think he's moved mailboxes yet. My out of town plans fell through last minute so I can move these in about 45 minutes.

Kenneth Partridge
DTMB Design Team
Exchange, Office 365, and Comodo SSL Support _____
From: McQuaid, John (DTMB)
Sent: Saturday, January 23, 2016 7:26:44 PM
To: Partridge, Ken (DTMB)
Subject: Fwd: Request from the SEOC

------- Original Message -------
From: "Christensen, Chris (DTMB)" <christensenc4@michigan.gov<mailto:christensenc4@michigan.gov>>
Date: Sat, January 23, 2016 1:49 PM -0500
To: "McQuaid, John (DTMB)" <mcquaidj@michigan.gov<mailto:mcquaidj@michigan.gov>>
Subject: Request from the SEOC

John,

I am getting a request from the SEOC to have an increase due to the number of maps and data size of the mapping function, it is necessary to increase the mailbox size of

msp-seocgis@michigan.gov<mailto:msp-seocgis@michigan.gov> and msp-seocgis2@michigan.gov<mailto:msp-seocgis2@michigan.gov> to unlimited.

Who on your team should I contact to get this taken care of?

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov<mailto:Christensenc4@michigan.gov>
<image001.png>

MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 3:18 PM
To: MSP-EOC-MDTMB
Subject: FW: Server Monitoring Resource Request

FYI

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov
DTMB
HELP. CONNECT. SOLVE.

From: Bennett, Jamie (DTMB)
Sent: Saturday, January 23, 2016 2:53 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Weldon, Diane (DTMB) <weldond@michigan.gov>; Novello, Richard (DTMB) <NovelloD@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; Bates, David (DTMB) <BatesD3@michigan.gov>; Jackson, JP (DTMB) <JacksonJ6@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Moore, Steven (DTMB) <MooreS3@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Re: Server Monitoring Resource Request

Ok I've contacted Gordon Mayes, Msp app support. Gordon states that MiCIMS is the only app on those servers. He's going to have his team look at the database and app, and get back to us. If they're unable to see anything, we'll engage the server team. I'll keep you posted.

Sent from my iPhone

On Jan 23, 2016, at 2:35 PM, Christensen, Chris (DTMB) <christensenc4@michigan.gov> wrote:

> Jamie,
>
> I have attached a few of the email alerts. Who is the business owner in this case? To make sure we are doing everything we can to support the Flint situation I think opening a ticket would be a good idea to make sure we are helping in every way possible.
>
> Thanks
>
> Chris Christensen
> Director of Infrastructure Protection
> Office: (517) 241-2188

Cell: .
Christensenc4@michigan.gov
<image003.png>

From: Bennett, Jamie (DTMB)
Sent: Saturday, January 23, 2016 12:45 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Weldon, Diane (DTMB) <weldond@michigan.gov>; Novello, Richard (DTMB) <NovelloD@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; Bates, David (DTMB) <BatesD3@michigan.gov>; Jackson, JP (DTMB) <JacksonJ6@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Moore, Steven (DTMB) <MooreS3@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Re: Server Monitoring Resource Request

Chris, is your team receiving the email alerts that was set up to monitor the utilization? I'm asking because the Smc should be receiving those and we have not seen any alerts. We'll need to contact EM to see why they're not reaching us. As for what's on the server, the CMDB shows only MiCIMS on the server but I can't confirm as only the business owner would be able to tell us that.

If we're able to see the utilization increasing, we can contact the server team to restart the IIS again but I don't know if we can do anything to ensure it won't max out again. If you'd like we can open a ticket and ask the server team to investigate.

Please let me know about the alerts, and we'll contact EM. Thanks,

Sent from my iPhone

On Jan 23, 2016, at 11:06 AM, Christensen, Chris (DTMB) <christensenc4@michigan.gov> wrote:

> Sorry one more question is MICIMS the only application running on that server or is it a shared server with other applications?
>
> Chris Christensen
> Director of Infrastructure Protection
> Office: (517) 241-2188
> Cell:
> Christensenc4@michigan.gov
> <image003.png>
>
> ---
>
> **From:** Christensen, Chris (DTMB)
> **Sent:** Saturday, January 23, 2016 11:01 AM
> **To:** Bennett, Jamie (DTMB) <BennettJ1@michigan.gov>
> **Cc:** Weldon, Diane (DTMB) <weldond@michigan.gov>; Novello, Richard (DTMB) <NovelloD@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; Bates, David (DTMB) <BatesD3@michigan.gov>; Jackson, JP (DTMB) <JacksonJ6@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Moore, Steven (DTMB) <MooreS3@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
> **Subject:** RE: Server Monitoring Resource Request

Jamie,

I understand that yesterday at 11:26 MSP experienced performance issues with MICIMS. The MSP IT staff at the SEOC contacted the server team and they restarted IIS service and it appears to be working better. Currently they are hovering at 80%-85% utilization when it reaches 100% they are having issues. What can we do to ensure the program will not have any issues?

Thanks,

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov
<image002.png>

From: Christensen, Chris (DTMB)
Sent: Friday, January 22, 2016 3:37 PM
To: Bennett, Jamie (DTMB) <BennettJ1@michigan.gov>
Cc: Weldon, Diane (DTMB) <weldond@michigan.gov>; Novello, Richard (DTMB) <NovelloD@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; Bates, David (DTMB) <BatesD3@michigan.gov>; Jackson, JP (DTMB) <JacksonJ6@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Moore, Steven (DTMB) <MooreS3@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Re: Server Monitoring Resource Request

Jamie,

I wanted to reach out and make sure they have coverage for the weekend on the MICIMS server? Apparently it reached capacity today and was down for like 10 minutes. Will you please let me know if we will have support over the weekend

Thanks Chris

Thanks Chris

On Jan 17, 2016, at 8:26 PM, Bennett, Jamie (DTMB) <BennettJ1@michigan.gov> wrote:

> Ok, with the assistance of TS, MCS, and Telecom, the firewall rules are in place and EM has set up the alerts to the following specifications from EM:
>
> I dropped the CPU threshold down as low as I could (1%) and none of the CPUs went above that for more than 5 minutes. So, no test

messages were sent. I've reset the threshold to 75% for 5 minutes, and a reset value of 70%. The alarm will stay in place until the threshold drops back to 70%. The standard polling interval is 5 minutes. We can modify the threshold to require more than 5 minutes before an alarm if we need to.

The list of recipients for the notifications are:
moores3@michigan.gov
christensenc4@michigan.gov
mckeer1@michigan.gov
dtmb-smc@michigan.gov

The message will indicate that there is high CPU usage on the server. I've been watching both machines in Spectrum, and the CPU utilization is staying way down now. LAN551CIMSRW001 is almost 0% for CPU utilization. LAN551CIMSRD001 is the same. A few CPUs are running at 1% and the rest are at 0. Both machines should send email to the above list if any of the CPUs go above 75% for more than 5 minutes. A cleared message should be sent when that value drops back below 70%. Let us know if that needs to be adjusted.

Thanks
Steve Moore

Going forward if SMC receives any alerts, do you need us to respond in any way? Contact the server team, contact the seoc, etc? At this time, we are set to just receive them. (Excluding if we receive a ping alarm, we would follow normal procedure.)

Jamie Bennett
Service Management & Monitoring Center Manager
Chief Technology Office, Data Center Operations
Department of Technology, Management & Budget
Office: (517) 241-9633
Cell: (
Email: bennettj1@michigan.gov

From: Bennett, Jamie (DTMB)
Sent: Sunday, January 17, 2016 4:44 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Weldon, Diane (DTMB) <weldond@michigan.gov>; Novello, Richard (DTMB) <NovelloD@michigan.gov>; Moore, Steven (DTMB) <MooreS3@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; Bates, David (DTMB) <BatesD3@michigan.gov>; Jackson, JP (DTMB) <JacksonJ6@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>
Subject: Re: Server Monitoring Resource Request

We can also set up a con call to discuss if we need to.

Sent from my iPhone

On Jan 17, 2016, at 4:41 PM, Bennett, Jamie (DTMB) <BennettJ1@michigan.gov> wrote:

> Chris please see below. We're going to need some emergency firewall rules to see them if you want to proceed. We can contact Mcs and telecom to do it if that's what you'd like to do. We'll wait for your response.
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Moore, Steven (DTMB)" <MooreS3@michigan.gov>
> > **Date:** January 17, 2016 at 4:33:43 PM EST
> > **To:** "Bennett, Jamie (DTMB)" <BennettJ1@michigan.gov>
> > **Cc:** "Jackson, JP (DTMB)" <JacksonJ6@michigan.gov>, "Weldon, Diane (DTMB)" <weldond@michigan.gov>, "Quarnberg, David (DTMB)" <QuarnbergD@michigan.gov>
> > **Subject: RE: Server Monitoring Resource Request**
> >
> > It doesn't look like we have any visibility to this network. I've tried a couple of servers, but can't communicate with either address. We'll need to get some firewall rules in order for this to proceed.
> >
> > Thanks
> > Steve
> >
> > ---
> >
> > **From:** Bennett, Jamie (DTMB)
> > **Sent:** Sunday, January 17, 2016 3:30 PM
> > **To:** Moore, Steven (DTMB) <MooreS3@michigan.gov>
> > **Cc:** Jackson, JP (DTMB) <JacksonJ6@michigan.gov>; Weldon, Diane (DTMB) <weldond@michigan.gov>; Quarnberg, David (DTMB) <QuarnbergD@michigan.gov>

Subject: FW: Server Monitoring Resource Request

FYI Steve -

Jamie Bennett
Service Management & Monitoring Center Manager
Chief Technology Office, Data Center Operations
Department of Technology, Management & Budget
Office: (517) 241-9633
Cell:
Email: bennettj1@michigan.gov

From: Bennett, Jamie (DTMB)
Sent: Sunday, January 17, 2016 3:20 PM
To: DTMB-SMC <DTMB-SMC@michigan.gov>
Subject: FW: Server Monitoring Resource Request

FYI

Jamie Bennett
Service Management & Monitoring Center Manager
Chief Technology Office, Data Center Operations
Department of Technology, Management & Budget
Office: (517) 241-9633
Cell:
Email: bennettj1@michigan.gov

From: Bennett, Jamie (DTMB)
Sent: Sunday, January 17, 2016 3:19 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>; Weldon, Diane (DTMB) <weldond@michigan.gov>
Cc: Bates, David (DTMB) <BatesD3@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Novello, Richard (DTMB) <NovelloD@michigan.gov>; Jackson, JP (DTMB) <JacksonJ6@michigan.gov>

Subject: RE: Server Monitoring Resource Request

Terrific, thank you Chris. We'll add you to the list for the alerts. And let you know when the monitoring is in place.

Jamie Bennett
Service Management & Monitoring Center Manager
Chief Technology Office, Data Center Operations
Department of Technology, Management & Budget
Office: (517) 241-9633
Cell:
Email: bennettj1@michigan.gov

From: Christensen, Chris (DTMB)
Sent: Sunday, January 17, 2016 3:18 PM
To: Bennett, Jamie (DTMB) <BennettJ1@michigan.gov>; Weldon, Diane (DTMB) <weldond@michigan.gov>
Cc: Bates, David (DTMB) <BatesD3@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Novello, Richard (DTMB) <NovelloD@michigan.gov>; Jackson, JP (DTMB) <JacksonJ6@michigan.gov>
Subject: RE: Server Monitoring Resource Request

I will need to get an update as well please.

Here is the server information

MI CIMS SEOC Backup DB			LAN
MI CIMS SEOC Backup Web Server			LAN

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188

Cell:
Christensenc4@michigan.gov
<image001.png>

From: Bennett, Jamie (DTMB)
Sent: Sunday, January 17, 2016 3:15 PM
To: Weldon, Diane (DTMB) <weldond@michigan.gov>
Cc: Bates, David (DTMB) <BatesD3@michigan.gov>; Christensen, Chris (DTMB) <christensenc4@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>; Novello, Richard (DTMB) <NovelloD@michigan.gov>; Jackson, JP (DTMB) <JacksonJ6@michigan.gov>
Subject: Re: Server Monitoring Resource Request

David we've contacted EM. They're heading into the office. What we need to know is the specific servers. Does anyone have that info, we're having trouble locating by the app name in the CMDB. Also once we have the servers, who would like to get the notifications? Ryan McKee and the Smc is who I have thus far. EM will be able to turn on notifications for high cpu, memory, etc. thanks for your assistance.

Sent from my iPhone

On Jan 17, 2016, at 2:36 PM, Weldon, Diane (DTMB) <weldond@michigan.gov> wrote:

> The SMC is paging the EM group to discuss .
>
> Sent from my iPhone
>
> On Jan 17, 2016, at 2:19 PM, Weldon, Diane (DTMB) <weldond@michigan.gov> wrote:

We will contact enterprise monitoring.

Sent from my iPhone

On Jan 17, 2016, at 2:12 PM, Bates, David (DTMB) <BatesD3@michigan.gov> wrote:

Diane and Dick, Can you co

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ordinate this monitoring request?

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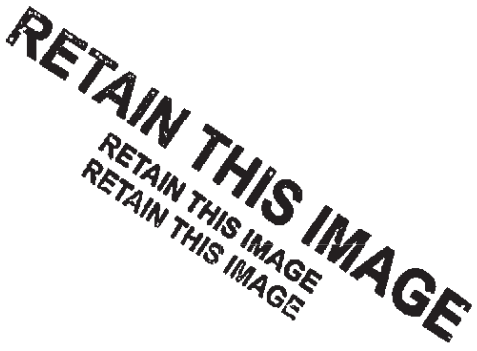
nc4@michigan.gov> wrote: please see below and let me

know any updates.

Chris Christensen Director



of Infrastructure Protection Office: (517) 241-2188

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Cell: (517) 243-16477

Christensenc4@michigan.gov

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4@michigan.gov>

Subject: Server Monitoring Resource

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Request Importance: High Here's what the resource re

quests states:

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Thank you, Ryan McKeeDTMB Cybersecurity & Infrast

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MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 2:43 PM
To: MSP-EOC-MDTMB
Subject: Fwd: Request from the SEOC

Thanks Chris

Begin forwarded message:

> **From:** "Partridge, Ken (DTMB)" <partridgek@michigan.gov>
> **Date:** January 23, 2016 at 2:41:15 PM EST
> **To:** "McQuaid, John (DTMB)" <mcquaidj@michigan.gov>
> **Cc:** "Dale, Matthew (DTMB)" <DaleM1@michigan.gov>, "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>
> **Subject: RE: Fwd: Request from the SEOC**
>
> Matt was covering on call this afternoon but I don't think he's moved mailboxes yet. My out of town plans fell through last minute so I can move these in about 45 minutes.
>
> Kenneth Partridge
> DTMB Design Team
> Exchange, Office 365, and Comodo SSL Support
>
> ---
>
> **From:** McQuaid, John (DTMB)
> **Sent:** Saturday, January 23, 2016 7:26:44 PM
> **To:** Partridge, Ken (DTMB)
> **Subject:** Fwd: Request from the SEOC
>
> -------- Original Message --------
> From: "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>
> Date: Sat, January 23, 2016 1:49 PM -0500
> To: "McQuaid, John (DTMB)" <mcquaidj@michigan.gov>
> Subject: Request from the SEOC
>
> John,
>
> I am getting a request from the SEOC to have an increase due to the number of maps and data size of the mapping function, it is necessary to increase the mailbox size of
>
> msp-seocgis@michigan.gov and
> msp-seocgis2@michigan.gov to **unlimited.**
>
> Who on your team should I contact to get this taken care of?

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

BTMB
HELP. CONNECT. SOLVE.

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MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 1:49 PM
To: MSP-EOC-MDTMB
Cc: Rakowski, Rock (DTMB)
Subject: RE: Expanded Email Storage Needs

Thanks Rock – working on it now.

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov
DTMB
HELP. CONNECT. SOLVE.

From: MSP-EOC-MDTMB
Sent: Saturday, January 23, 2016 1:46 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Rakowski, Rock (DTMB) <RakowskiJ@michigan.gov>
Subject: Expanded Email Storage Needs

Chris,
Here are the mailboxes they need expanded.
Let me know ETA.

Thanks
Rock

Due to the number of maps and data size of the mapping function, it is necessary to increase the mailbox size of msp-seocgis@michigan.gov and msp-seocgis2@michigan.gov to unlimited.

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Saturday, January 23, 2016 1:08 PM
To: MSP-EOC-MDTMB
Subject: Contract List

http://michigan.gov/documents/web_contract_12037_7.xls

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Saturday, January 23, 2016 12:23 PM
To: MSP-EOC-MDTMB
Subject: DTMB Tracking
Attachments: DTMB Tracking.xlsx

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MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Saturday, January 23, 2016 11:58 AM
To: Rakowski, Rock (DTMB); MSP-EOC-MDTMB
Subject: FW: Notes from 1/23/2016 9:30AM Conf Call

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 11:15 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Pratt, Jeff (DTMB) <prattj@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: FW: Notes from 1/23/2016 9:30AM Conf Call

FYI.

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

DTMB
HELP. CONNECT. SOLVE.

From: Pauley, Suzanne (DTMB)
Sent: Saturday, January 23, 2016 11:07 AM
To: Behen, David (DTMB) <Behend@michigan.gov>
Cc: Bolger, Matt (MSP) <BolgerM@michigan.gov>; Swanson, Eric (DTMB) <swansone@michigan.gov>; Kopacsi, Christian (DTMB) <KopacsiC@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; McFarlane, James (DTMB) <mcfarlanej@michigan.gov>; Thompson, John (DTMB) <thompsonj@michigan.gov>; Buhs, Caleb (DTMB) <BuhsC@michigan.gov>; James Foley <jfoley@us.ibm.com>; Christensen, Chris (DTMB) <christensenc4@michigan.gov>; Goldblatt, Kelley (MSP) <GoldblattK@michigan.gov>; Sweeney, Matthew (DTMB) <SweeneyM1@michigan.gov>; Gelisse, Ashley (DTMB) <GelisseA@michigan.gov>; Stibitz, Brom (DTMB) <StibitzB@michigan.gov>; Stone, Michael (DMVA) <MICHAEL.A.STONE36.MIL@MAIL.MIL>; michael.j.yokie.mil@mail.mil; Cruz, Richard (MSP) <CruzR@michigan.gov>; Kelly, David (MSP) <KellyD@michigan.gov>; Ellis, James (MSP) <EllisJ3@michigan.gov>; Cook, Danny (MSP) <CookD4@michigan.gov>; William Smith <wsmith99@us.ibm.com>; Reasner, Richard (DTMB) <ReasnerR@michigan.gov>
Subject: Notes from 1/23/2016 9:30AM Conf Call

Note: If i missed someone or if I omitted important information please let me know and I will update.

Attendees:
Chris Christensen
Rich Cruz
Capt Kelly
Rod Davenport
John Thompson
Jim Ellis
Christian Kopacsi
James McFarlane
Jim F - IBM
Caleb Buhs
Brom Stibitz
Matt Bolger
Bill Smith - IBM
Danny Cook
Matt Sweeney
David Behen
Eric Swanson
Suzanne Pauley

Notes:

- Discussed Mi.gov outage - attack vector was TCP with 150mb+ traffic. Attacks withdrawn after 1AM, mitigation has been adjusted to block those attempts. IBM team will continue to monitor and react as necessary. Suzanne to alert MIOC immediately of any future attacks. Twitter handle @S0BL1N claimed credit for the attack.

- There are now two youTube videos threatening the State of Michigan and Gov, they can be found on the TruthSec channel and the AnonIntelGroup channel.

- State teams will continue to monitor our SOM infrastructure very closely

- There is a podcast scheduled for Monday at 3:15PM that will be hosted by Dan Lohrmann. He has invited members of anonymous to call in.

- Caleb will be sending an email to State Agency directors and PIO's regarding the DDoS events and cyber hygiene best practices. An additional email will be sent to State staff on Monday with the reminder on cyber hygiene best practices. Remind staff to not let anyone in the building without a badge.

- Additional information related to the Kerr family will be sent to David.

- A discussion was had around providing additional resources to assist CTO Paul Knific in Flint. He will be contacted (810-252-3120) to see what resources he needs.

- Physical security has been enhanced in several buildings including Con Hall.

- Matt Sweeney will determine what information will be sent to the Legislature.
- The issues yesterday for the server is at 11:26 MSP experienced performance issues with MICIMS. The MSP IT staff at the SEOC contacted the server team and they restarted IIS service and it appears to be working better. I am trying to get a solution in place to make sure it doesn't have issues in the future.
-

- Beginning Monday, Suzanne will send daily updates at 5PM. Team will send any pertinent information to her to be included in the message.

MSP-EOC-MDTMB

From: MSP-EOC-MDSP
Sent: Saturday, January 23, 2016 11:09 AM
To: *Ellis, James (MSP); Poupard, Jay (MSP)*
Cc: MSP-SEOCOPSC; MSP-EOC-MDTMB; Budde, Brian (MSP); Bempong, Akosua (MSP); Taylor, Suzan (MSP); Ames, Corey (MSP); MIOC; MSP-SEOCPIO; Dehner, Amy (MSP); Kish, Thomas (MSP)
Subject: FW: Flint hospital confirms 'cyber attack,' Anonymous threatens action over water crisis

FYI,

Spl/Lt. Mardella Horhn
C#

From: MSP-SEOCOPSC
Sent: Saturday, January 23, 2016 10:38 AM
To: MSP-EOC-MDSP
Subject: FW: Flint hospital confirms 'cyber attack,' Anonymous threatens action over water crisis

Just an FYI, if anyone from cyber is interested and is likely already tracking.

From: MSP-seocda2
Sent: Saturday, January 23, 2016 10:02 AM
To: MSP-SEOCOPSC
Subject: Flint hospital confirms 'cyber attack,' Anonymous threatens action over water crisis

I don't know if this means anything for this. I believe that this is where the initial tests were done to realize the lead levels.

http://www.mlive.com/news/flint/index.ssf/2016/01/flint_hospital_confirms_cyber.html

MSP-EOC-MDTMB

From: MSP-EOC-MDSP
Sent: Saturday, January 23, 2016 9:35 AM
To: Budde, Brian (MSP)
Cc: Bempong, Akosua (MSP); Taylor, Suzan (MSP); Ames, Corey (MSP); MSP-EOC-MDTMB; MIOC
Subject: RE: Twitter Flint

Ok will do.

Thanks,
Spl/Lt. Mardella Horhn

From: Budde, Brian (MSP)
Sent: Saturday, January 23, 2016 9:30 AM
To: MSP-EOC-MDSP
Cc: Bempong, Akosua (MSP); Taylor, Suzan (MSP); Ames, Corey (MSP); MSP-EOC-MDTMB; MIOC
Subject: Re: Twitter Flint

Please also forward any cyber related issue to F/Lt Jim Ellis and LT. Jay Poupard.

Thank you.

D/F/Lt. Brian Budde
Michigan State Police
Commander
Michigan Intelligence Operation Center (MIOC)
333 South Grand Ave.
Lansing, Michigan 48909
Phone: 517-241-3055
Cell:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY."

Sent from my iPhone

On Jan 23, 2016, at 9:16 AM, MSP-EOC-MDSP <MSP-EOC-MDSP@michigan.gov> wrote:

> FYI,
>
> Spl/Lt. Mardella Horhn
> C#
>
> ---
>
> **From:** MSP-EOC-MDTMB
> **Sent:** Saturday, January 23, 2016 9:07 AM
> **To:** MIOC; DSEMIIC; Michigan Cyber Command Center (MC3)
> **Cc:** MSP-EOC-MDSP; MSP-EOC-MDTMB; Christensen, Chris (DTMB)
> **Subject:** FW: Twitter Flint

Intel on a potential cyber protest on 1/25 at 17:00EST.

Thank you,

Ryan McKee
Professional Emergency Manager (PEM)
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
c:
e: mckeer1@michigan.gov

From: McKee, Ryan (DTMB)
Sent: Saturday, January 23, 2016 8:58 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Twitter

https://mobile.twitter.com/anonymousnyc5/status/690769006395981824

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Sent: Saturday, January 23, 2016 9:30 AM
To: MSP-EOC-MDSP
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Subject: Re: Twitter Flint

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> **Cc:** MSP-EOC-MDSP; MSP-EOC-MDTMB; Christensen, Chris (DTMB)
> **Subject:** FW: Twitter Flint
>
> Intel on a potential cyber protest on 1/25 at 17:00EST.
>
> Thank you,
>
> **Ryan McKee**
> Professional Emergency Manager (PEM)
> DTMB Cybersecurity & Infrastructure Protection
> Office of Infrastructure Protection
> c:
> e: mckeer1@michigan.gov

From: McKee, Ryan (DTMB)
Sent: Saturday, January 23, 2016 8:58 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Twitter

https://mobile.twitter.com/anonymousnyc5/status/690769006395981824

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MSP-EOC-MDTMB

From: MSP-EOC-MDSP
Sent: Saturday, January 23, 2016 9:26 AM
To: Bempong, Akosua (MSP); Budde, Brian (MSP)
Cc: Taylor, Suzan (MSP); Ames, Corey (MSP); MSP-EOC-MDTMB; MIOC
Subject: RE: Twitter Flint

Ok thanks ☺

From: Bempong, Akosua (MSP)
Sent: Saturday, January 23, 2016 9:26 AM
To: MSP-EOC-MDSP; Budde, Brian (MSP)
Cc: Taylor, Suzan (MSP); Ames, Corey (MSP); MSP-EOC-MDTMB; MIOC
Subject: RE: Twitter Flint

City of Flint

Koko

Sent from my Windows Phone

From: MSP-EOC-MDSP
Sent: 1/23/2016 9:24 AM
To: Bempong, Akosua (MSP); Budde, Brian (MSP)
Cc: Taylor, Suzan (MSP); Ames, Corey (MSP); MSP-EOC-MDTMB; MIOC
Subject: RE: Twitter Flint

Ok thank you KoKo. I have only one question, what does COF translate to?

Spl/Lt. Mardella Horhn

From: Bempong, Akosua (MSP)
Sent: Saturday, January 23, 2016 9:22 AM
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I have forwarded this information to Jeff Keen and Paul Knific who are both COF IT personnel.

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Intel on a potential cyber protest on 1/25 at 17:00EST.

Thank you,

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City of Flint

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Sent: Saturday, January 23, 2016 9:25 AM
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To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Twitter

https://mobile.twitter.com/anonymousnyc5/status/690769006395981824

MSP-EOC-MDTMB

From: MSP-EOC-MDSP
Sent: Saturday, January 23, 2016 8:22 AM
To: Dehner, Amy (MSP)
Cc: Kapp, Gene (MSP); Kish, Thomas (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP); MSP-SEOCPIO; JICManager; MSP-EOC-MDTMB; MSP-SEOCOPSC
Subject: RE: Cyber Intel - Flint Water Issue

Lt. Dehner,

DTMB and MC3, along with the MIOC are aware of these issues and are monitoring them. JIC and the SEOC PIO have also been cc's in this email.

Thank you,
Spl/Lt. Mardella Horhn

From: Dehner, Amy (MSP)
Sent: Friday, January 22, 2016 8:44 PM
To: MSP-EOC-MDSP
Cc: Kapp, Gene (MSP); Kish, Thomas (MSP); Sipes, Stephen (MSP); Kanicki, Bonnie (MSP); Kaiser, David (MSP)
Subject: Fwd: Cyber Intel - Flint Water Issue

Hi Mardella,

This below intell document was sent by Ops, and is a cyber attack targeting Flint. Is it possible for you to push this out to the other MSP SEOC entities and the JIC? I don't have all of those email addresses.

Sent from my iPhone

Begin forwarded message:

> **From:** MIOC <MIOC@michigan.gov>
> **Date:** January 22, 2016 at 8:19:00 PM EST
> **To:** "Dehner, Amy (MSP)" <DehnerA@michigan.gov>
> **Subject: FW: Cyber Intel - Flint Water Issue**
>
> Amy,
>
> Not sure if your command is aware of this?
>
> Scott

From: MIOC
Sent: Friday, January 22, 2016 8:14 PM
To: Operations, Lts, Lieutenants (MSP)
Subject: FW: Cyber Intel - Flint Water Issue
Importance: High

FYI

Intelligence Operations Division
Michigan Department of State Police
333 South Grand Ave., PO Box 30634
Lansing, MI 48909
517-241-8000

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Saturday, January 23, 2016 8:10 AM
To: MSP-EOC-MDTMB
Subject: FW: Michigan.gov Attack - Friday 11:30PM

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Christensen, Chris (DTMB)
Sent: Saturday, January 23, 2016 3:30 AM
To: Pratt, Jeff (DTMB) <prattj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Fwd: Michigan.gov Attack - Friday 11:30PM

FYI

Thanks Chris

Begin forwarded message:

> **From:** "Behen, David (DTMB)" <Behend@michigan.gov>
> **Date:** January 23, 2016 at 12:35:18 AM EST
> **To:** "Pauley, Suzanne (DTMB)" <PauleyS@michigan.gov>
> **Cc:** "Bolger, Matt (MSP)" <BolgerM@michigan.gov>, "Swanson, Eric (DTMB)" <swansone@michigan.gov>, "Kopacsi, Christian (DTMB)" <KopacsiC@michigan.gov>, "Davenport, Rodney (DTMB)" <DavenportR1@michigan.gov>, "McFarlane, James (DTMB)" <mcfarlanej@michigan.gov>, "Thompson, John (DTMB)" <thompsonj@michigan.gov>, "Buhs, Caleb (DTMB)" <BuhsC@michigan.gov>, James Foley <jfoley@us.ibm.com>, "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>, "Goldblatt, Kelley (MSP)" <GoldblattK@michigan.gov>, "Sweeney, Matthew (DTMB)" <SweeneyM1@michigan.gov>, "Gelisse, Ashley (DTMB)" <GelisseA@michigan.gov>, "Stibitz, Brom (DTMB)" <StibitzB@michigan.gov>, "Stone, Michael (DMVA)" <MICHAEL.A.STONE36.MIL@MAIL.MIL>
> **Subject: Re: Michigan.gov Attack - Friday 11:30PM**
>
> Adding General Stone to this string.
>
> Thanks.

David

Sent from my iPhone

On Jan 23, 2016, at 12:25 AM, Pauley, Suzanne (DTMB) <PauleyS@michigan.gov> wrote:

> At 11:28PM this evening we were notified that michigan.gov was inaccessible. Our IBM team responded with mitigation and at 11:56PM access to michigan.gov was restored. The type of attack was different than last weekend, this was TCP based with with 150mb+ of malicious traffic.
>
> The twitter handle that posted the initial #offline was @S0BL1N. At this time the we're still seeing attempts to attack the michigan.gov environment but are able to block them. If attack vector changes we'll need to adjust the mitigation strategy.
>
> I will send additional updates if the situation changes.
>
> Thanks,
> Suzanne

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Friday, January 22, 2016 8:11 PM
To: MIOC; DSEMIIC; Michigan Cyber Command Center (MC3)
Cc: MSP-EOC-MDTMB; MSP-EOC-MDSP; Christensen, Chris (DTMB)
Subject: Cyber Intel - Flint Water Issue
Attachments: Instagram Post ; SYMC-300383 Anonymous Relaunches #OpFlint against the Government of Mich....pdf

Importance: High

Please see the attached intel we received on potential cyber activity related to the Flint Water Issue.

Thank you,

Ryan McKee, Professional Emergency Manager (PEM)
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
c: (
e: mckeer1@michigan.gov

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Friday, January 22, 2016 8:06 PM
To: MSP-EOC-MDTMB
Subject: FW: Deepsight MATI Report on #OpFlint
Attachments: SYMC-300383 Anonymous Relaunches #OpFlint against the Government of Mich .pdf; ATT00001.htm

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Christensen, Chris (DTMB)
Sent: Friday, January 22, 2016 7:58 PM
To: Pratt, Jeff (DTMB) <prattj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Fwd: Deepsight MATI Report on #OpFlint

Thanks Chris

Begin forwarded message:

> **From:** "Behen, David (DTMB)" <Behend@michigan.gov>
> **Date:** January 22, 2016 at 7:56:41 PM EST
> **To:** "Bolger, Matt (MSP)" <BolgerM@michigan.gov>, "Ellis, James (MSP)" <EllisJ3@michigan.gov>, "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Stone, Michael (DMVA)" <MICHAEL.A.STONE36.MIL@MAIL.MIL>
> **Cc:** "Gregory J MG USARMY NG MIARNG Vadnais (US)" <gregory.j.vadnais.mil@mail.mil>, "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Kopacsi, Christian (DTMB)" <KopacsiC@michigan.gov>, "Davenport, Rodney (DTMB)" <DavenportR1@michigan.gov>, "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>
> **Subject: Fwd: Deepsight MATI Report on #OpFlint**
>
> FYI. Ensuring everyone is in the loop.
>
> Thanks,
> David
>
> Begin forwarded message:

From: Jim Keenan <Jim_Keenan@symantec.com>
Date: January 22, 2016 at 7:45:08 PM EST
To: "Christopher \"C\" Christensen " <christensenc4@michigan.gov>, "Kopacsi, Christian (DTMB)" <KopacsiC@michigan.gov>, "Davenport, Rodney (DTMB)" <DavenportR1@michigan.gov>, "Behen, David (DTMB)" <Behend@michigan.gov>, "Reasner, Richard (DTMB)" <ReasnerR@michigan.gov>
Cc: "Premkumar Prithivirajan (CS)" <Premkumar_Prithivira@symantec.com>, "John Gomez (MSS)" <John_Gomez@symantec.com>, Jennifer Nowell <jennifer_nowell@symantec.com>
Subject: Deepsight MATI Report on #OpFlint

Excerpt from Managed Adversary & Threat Intelligence Report...see attached for full report

Anonymous Relaunches #OpFlint against the Government of Michigan and City of Flint

MANAGED ADVERSARY AND THREAT INTELLIGENCE

DEEPSIGHT™ INTELLIGENCE, INTELLIGENCE SUMMARY, SYMC – 300383, PUBLISHED 22 JANUARY 2016, V.1 2
Information Cut-Off Date: 22 January 2016 3

ANONYMOUS LAUNCHES #OPFLINT AGAINST THE GOVERNMENT OF MICHIGAN AND CITY OF FLINT

DeepSight™ Intelligence, Intelligence Summary, SYMC-300383, published 22 January 2016, V.1

KEY FINDINGS

• On 16 January 2016, Anonymous relaunched #OpFlint in response to the recent health crisis surrounding contaminated water in Flint, Michigan.

• The operation targets officials that the Anonymous group recognizes as having ignored the water crisis, such as Gov. Rick Snyder and Flint city personnel.

• The operation activities have included distributed denial-of-service (DDoS) attacks and doxing.

EXECUTIVE SUMMARY

Members of the international Anonymous hacktivist collective have relaunched #OpFlint to target those entities that the operation perceives as responsible for the contaminated water crisis in Flint, Michigan. Originally organized in 2015, #OpFlint was relaunched on 16 January 2016 and is ongoing against city officials and the governor of Michigan, Rick Snyder. Several hacking groups are supporting the malicious activities, which include DDoS attacks and doxing. The first DDoS attacks on 16 January took the Michigan.gov and cityofflint.com websites temporarily offline. DeepSight Intelligence judges #OpFlint will not shut down the state or city's infrastructure; however, access to the Michigan government and city websites will likely be disrupted. 4

DETAILS

The Anonymous collective's operation #OpFlint originally launched in 2015 but never gained momentum. #OpFlint was relaunched on 16 January 2016 to draw attention to the toxicity levels of the contaminated water supply in the city of Flint, Michigan. Leaders of the current effort include the US-based New World Hacking group[1] and the Anonymous Intelligence Group (a.k.a. Anon Intel Group). The New World Hacking group launched the recent #OpFlint activity on 16 and 17 January 2016 with DDoS attacks that shut down the Michigan.gov and cityofflint.com websites (see Figure 1). The operation has an official video on Youtube (hxxps://www.youtube.com/watch?v=zXQfsURnE0w) and on several Anonymous-affiliated websites.

[1] See the DeepSight Intelligence report *Profile: New World Hacking (NWH)*, (SYMC – 300376), 9 June 2016. New World Hacking uses their own stressor service, BangStressor, to conduct DDoS attacks including an attack against the BBC in early 2016.

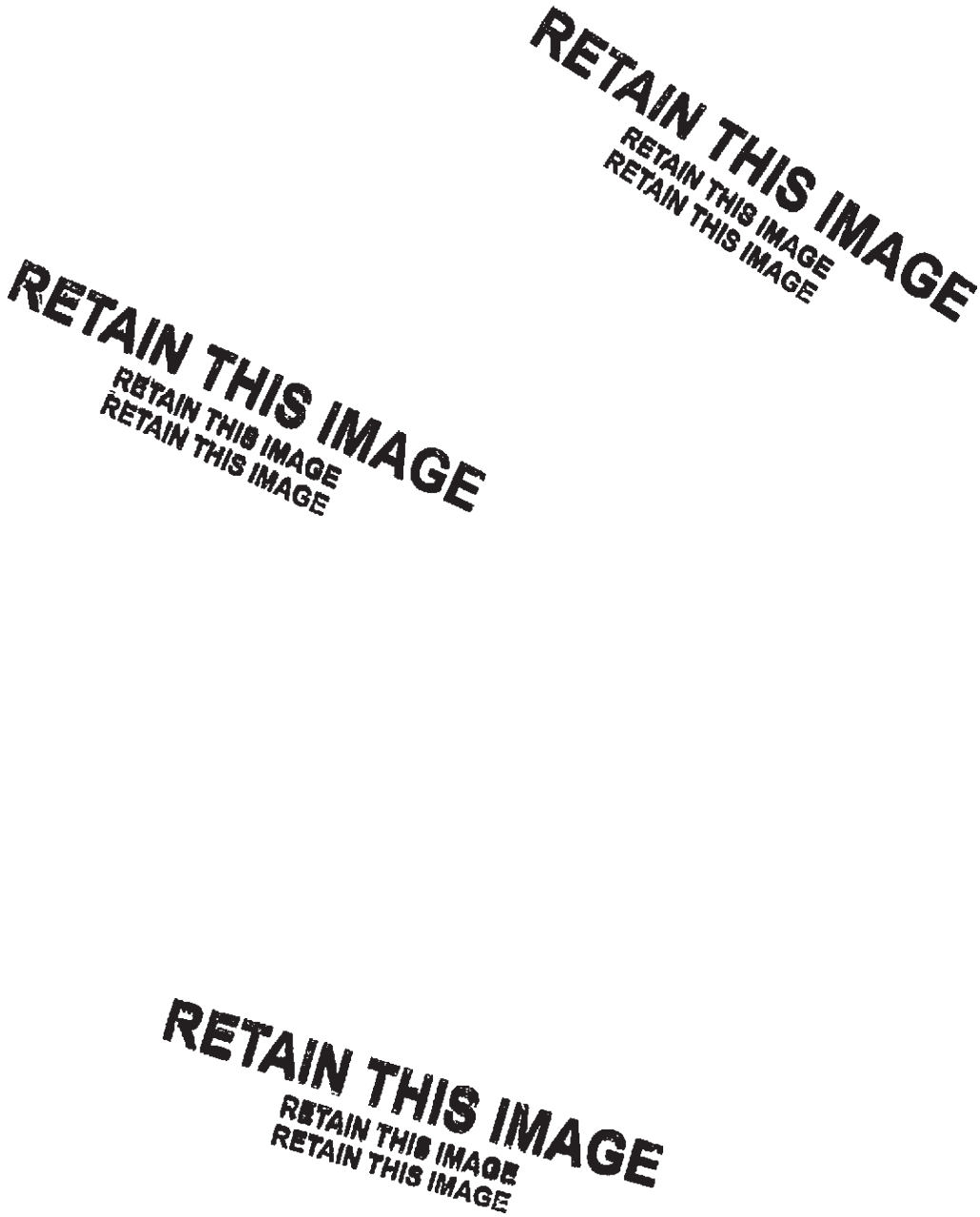
Figure 1. New World Hacking Twitter post publicizing the DDoS attacks against Michigan.gov and cityofflint.com

On 20 January 2016, the Anon Intel Group's website contained a link to a "doxing" for Michigan Gov. Snyder (https://ghostbin.com/paste/zn236, see Figure 2). The dox did not include social security numbers, but rather revealed his mailing address, social media accounts, and phone numbers, and information for his family relatives that is easily obtained through several Google searches.

Figure 2. Dox posted on Anon Intel Group website on 20 January 2016 [5]

Gents:

See attached Deepsight MATI report on OpFlint generated from our SOC in Washington DC...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MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Friday, January 22, 2016 8:06 PM
To: MSP-EOC-MDTMB
Subject: FW: Deepsight MATI Report on #OpFlint
Attachments: Instagram Post

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Pratt, Jeff (DTMB)
Sent: Friday, January 22, 2016 8:02 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: RE: Deepsight MATI Report on #OpFlint

Did you seen this one yet?

Thanks,

Jeff

From: Christensen, Chris (DTMB)
Sent: Friday, January 22, 2016 7:58 PM
To: Pratt, Jeff (DTMB) <prattj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Fwd: Deepsight MATI Report on #OpFlint

Thanks Chris

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> **Date:** January 22, 2016 at 7:56:41 PM EST
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> **Cc:** "Gregory J MG USARMY NG MIARNG Vadnais (US)" <gregory.j.vadnais.mil@mail.mil>, "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Kopacsi, Christian (DTMB)" <KopacsiC@michigan.gov>, "Davenport,

Rodney (DTMB)" <DavenportR1@michigan.gov>, "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>
Subject: Fwd: Deepsight MATI Report on #OpFlint

FYI. Ensuring everyone is in the loop.

Thanks,
David

Begin forwarded message:

> **From:** Jim Keenan <Jim_Keenan@symantec.com>
> **Date:** January 22, 2016 at 7:45:08 PM EST
> **To:** "Christopher \"C\" Christensen " <christensenc4@michigan.gov>, "Kopacsi, Christian (DTMB)" <KopacsiC@michigan.gov>, "Davenport, Rodney (DTMB)" <DavenportR1@michigan.gov>, "Behen, David (DTMB)" <Behend@michigan.gov>, "Reasner, Richard (DTMB)" <ReasnerR@michigan.gov>
> **Cc:** "Premkumar Prithivirajan (CS)" <Premkumar_Prithivira@symantec.com>, "John Gomez (MSS)" <John_Gomez@symantec.com>, Jennifer Nowell <jennifer_nowell@symantec.com>
> **Subject: Deepsight MATI Report on #OpFlint**
>
> Excerpt from Managed Adversary & Threat Intelligence Report...see attached for full report

Anonymous Relaunches #OpFlint against the Government of Michigan and City of Flint

MANAGED ADVERSARY AND THREAT INTELLIGENCE

DEEPSIGHT™ INTELLIGENCE, INTELLIGENCE SUMMARY, SYMC – 300383, PUBLISHED 22 JANUARY 2016, V.1 2
Information Cut-Off Date: 22 January 2016 3

ANONYMOUS LAUNCHES #OPFLINT AGAINST THE GOVERNMENT OF MICHIGAN AND CITY OF FLINT

DeepSight™ Intelligence, Intelligence Summary, SYMC-300383, published 22 January 2016, V.1

KEY FINDINGS

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EXECUTIVE SUMMARY

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DETAILS

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[1] See the DeepSight Intelligence report *Profile: New World Hacking (NWH),* (SYMC – 300376), 9 June 2016. New World Hacking uses their own stressor service, BangStressor, to conduct DDoS attacks including an attack against the BBC in early 2016.

Figure 1. New World Hacking Twitter post publicizing the DDoS attacks against Michigan.gov and cityofflint.com

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Figure 2. Dox posted on Anon Intel Group website on 20 January 2016 5

Gents:

See attached Deepsight MATI report on OpFlint generated from our SOC in Washington DC...

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MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Friday, January 22, 2016 7:34 PM
To: MSP-EOC-MDTMB
Subject: FW: Niagara Water Sept. Recall
Attachments: FW: Niagara Water Sept. Recall

From: MSP-EOC-MDTMB
Sent: Friday, January 22, 2016 7:31 PM
To: MSP-SEOCOPSC; Kelenske, Chris (MSP)
Cc: jason.gamble@fema.dhs.gov; Kuzera, Michelle (MSP); Davis, Kristi (MSP); MSP-seoclgc
Subject: RE: Niagara Water Sept. Recall

Please see attached response from Home Depot regarding the Niagara. We are clear.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: MSP-SEOCOPSC
Sent: Friday, January 22, 2016 6:20 PM
To: Kelenske, Chris (MSP)
Cc: jason.gamble@fema.dhs.gov; Kuzera, Michelle (MSP); Davis, Kristi (MSP); MSP-EOC-MDTMB; MSP-seoclgc
Subject: FW: Niagara Water Sept. Recall

Captain,

Just an FYI- this does not apply to us. Per DTMB, we got our water from Wisconsin; this applies to water from Pennsylvania. DTMB is confirming, comparing our lot numbers with the ones listed.

On Niagara's website, they do not show Michigan as an impacted state.

Gabe

Operations Section Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

From: Minicuci, Angela (DHHS)
Sent: Friday, January 22, 2016 4:17 PM
To: MSP-SEOCOPSC; MSP-EOC-MDCH

Cc: Brown, Melanie (DEQ)
Subject: Niagara Water Sept. Recall

Good afternoon,

We just found out about a recall by Niagara water in Sept. 2015. Is there a way we can check the Niagara water that we're giving out to ensure it's not from these lots: http://www.niagarawater.com/consumer-notice/

Thank you,

Angela Minicuci
Office of External Relations and Communications
Michigan Department of Health and Human Services
Office: (517) 241-2112
Mobile:
minicucia@michigan.gov
www.michigan.gov/mdhhs

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MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Friday, January 22, 2016 7:29 PM
To: MSP-EOC-MDTMB
Subject: FW: Niagara Water Sept. Recall
Attachments: Niagara Water Safe_Final 6-22-15.pdf; ATT00001.htm

---

From: DAVID_KHANUJA@homedepot.com [mailto:DAVID_KHANUJA@homedepot.com]
Sent: Friday, January 22, 2016 7:25 PM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Fwd: Niagara Water Sept. Recall

Please see below, good to go!

David Khanuja
Pro Account Representative
The Home Depot - Midwest Region
:ll
David_khanuja@homedepot.com

From: Michael Wright [mailto:mwright@niagarawater.com]
Sent: Friday, January 22, 2016 7:18 PM
To: Hamilton, Delante; NAPPI, SCOTT; David Paskert
Subject: RE: Niagara Water Sept. Recall

Delante,

Below is the statement I was given from our Legal Dept. Please let me know if it will suffice.

I have also attached a document we gave to customers that were affected immediately after the recall happened. That being said, Home Depot was not affected as you buy purified drinking water, not spring.

"Niagara bottled water being sold and distributed in Flint, MI and throughout the country is safe to drink. Niagara issued a voluntary recall of spring water produced at our two (2) Pennsylvania plants from **June 10-18th, 2015.** As of **September 7, 2015** Niagara found no contamination of any kind in their finished products or in the spring water that was delivered to their bottling

facility. For additional information, please visit http://www.niagarawater.com/consumer-notice/ or contact Niagara's Consumer Affairs Department at (888) 943-4894."

Thank you,

Michael Wright l Sales Development Manager l **Niagara Bottling** l 2560 E. Philadelphia St l Ontario, CA 91761 USA l Direct 909-230-6539 | Mobile mwright@niagarawater.com

The information contained herein is privileged and/or confidential under applicable law, and is intended only for the use of the individual or entity named above. If the recipient of this message is not the above-named intended recipient, you are hereby notified that any dissemination, copy or disclosure of this communication is strictly prohibited If you have received this communication in error, please notify Niagara of the same by replying to this email and purge the communication immediately without making any copy or distribution thereof.

From: "McKee, Ryan (DTMB)" <mckeer1@michigan.gov>
Date: January 22, 2016 at 6:08:58 PM EST
To: "DAVID_KHANUJA@homedepot.com" <DAVID_KHANUJA@homedepot.com>
Subject: FW: Niagara Water Sept. Recall

FYI. Looks like it's an update to the report from June.

Just for further clarification, do you think you could send our lot numbers?

Thank you,

Ryan McKee

DTMB Cybersecurity & Infrastructure Protection

Office of Infrastructure Protection

p: (517) 241-3356

e: mckeer1@michigan.gov

From: Davis, Kristi (MSP)
Sent: Friday, January 22, 2016 6:07 PM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Fwd: Niagara Water Sept. Recall

Sent from my iPhone

Begin forwarded message:

> **From:** MSP-SEOCOPSC <MSP-SEOCOPSC@michigan.gov>
> **Date:** January 22, 2016 at 5:46:24 PM EST
> **To:** "Davis, Kristi (MSP)" <DavisK10@michigan.gov>
> **Subject: FW: Niagara Water Sept. Recall**
>
> ?

From: Minicuci, Angela (DHHS)
Sent: Friday, January 22, 2016 4:17 PM
To: MSP-SEOCOPSC; MSP-EOC-MDCH
Cc: Brown, Melanie (DEQ)
Subject: Niagara Water Sept. Recall

Good afternoon,

We just found out about a recall by Niagara water in Sept. 2015. Is there a way we can check the Niagara water that we're giving out to ensure it's not from these lots: http://www.niagarawater.com/consumer-notice/

Thank you,

Angela Minicuci

Office of External Relations and Communications

Michigan Department of Health and Human Services

Office: (517) 241-2112
Mobile:
minicuciа@michigan.gov
www.michigan.gov/mdhhs

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MSP-EOC-MDTMB

From:	Nina_Cole@vwr.com
Sent:	Friday, January 22, 2016 6:50 PM
To:	MSP-EOC-MDEQ; Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); Government@vwr.com; Wes_Lukowsky@vwr.com; Bryan_Pineda@vwr.com
Subject:	VWR contact for 1/24 - 1/27 and updates

Hello Everyone,

I wanted to send a general update out to everyone because next week I will be at a National Sales Conference and booked in meetings for 3 days. I do not want any of you not to have access to support when I am away. I have been working closely with the VWR government support team and they understand the importance of your needs. Please let us know of any new order that could be needed so we can make certain the order is closely watched within VWR.

As a point of contact internally within VWR, please contact Shasta Dixon. Lewis McMillan will also be at the sales meeting but he would like you to contact him if you do need extra assistance. His schedule at the meeting is more flexible than mine should you need any more help.

Shasta Dixon
Coordinator - Gov't Contracts
Office 678-288-3134
Mobile
shasta_dixon@vwr.com

Lewis McMillan
Director, Business Development - State & Local Government Markets
Mobile
lewis_mcmillan@vwr.com

Updates for items needed and shipping information for orders are below.

Bottle Needs:

We have to date 47 cases (144 bottles per case) shipped to the Flint site. We have shipped 2 cases to the Lansing lab for lot verification. We have 50 more cases from the same lot shipping to Flint as of today, but I do not have the tracking information. For the remaining cases we will have status updates next week and these will be a new lot, one case will go to the Lansing lab.

Your VWR order number is 8018384025.

Nitric Acid Needs:

We have 4 cases (6 bottles in a case) sent out to the Lansing lab this week. I have also sent a sample bottle of the BDH brand to Kirby for evaluation. An estimation of 200 possible bottles may be needed in the future (34 cases). We have worked with our internal team for help with sourcing for this chemical and we have found stock within our warehouse and at the suppliers.

MK662346 (sold in cases of 6) Stock: 47 of the 2500 ML bottles in the Batavia Warehouse. (Avantor has 590 in stock as well) so we could replenish quickly (this is the original ordered product)

BDH30462.5LPC (sold in cases of 6) Stock: 390 of the 2500 ML bottles in different Warehouses around the nation, we can supply more from the manufacturer
(this is the secondary source we have sampled)

EM-NX0407-2 (sold by the each) Stock: 554 of the 2500 ML bottles in the Batavia Warehouse
(this product can also be sampled if requested)

Thank you all for working with VWR and myself these past weeks, I have been honored to help with this emergency in my State.

Please reach out to Shasta and Lewis in the beginning of the week, and I will be back in town on Wednesday (1/27) in the afternoon if you need me for anything please let me know.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (810) 728-2517
http://www.vwr.com

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Friday, January 22, 2016 6:46 PM
To: MSP-seocfgc
Cc: MSP-EOC-MDTMB
Subject: DTMB Expenses Through 1/22
Attachments: DTMB Expenses 01-22-15.xlsx

Attached are DTMB expenses through 1/22. We are still working on some of the employee costs.

MSP-EOC-MDTMB

From: MSP-SEOCOPSC
Sent: Friday, January 22, 2016 6:20 PM
To: Kelenske, Chris (MSP)
Cc: jason.gamble@fema.dhs.gov; Kuzera, Michelle (MSP); Davis, Kristi (MSP); MSP-EOC-MDTMB; MSP-seoclgc
Subject: FW: Niagara Water Sept. Recall

Captain,

Just an FYI- this does not apply to us. Per DTMB, we got our water from Wisconsin; this applies to water from Pennsylvania. DTMB is confirming, comparing our lot numbers with the ones listed.

On Niagara's website, they do not show Michigan as an impacted state.

Gabe

Operations Section Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

From: Minicuci, Angela (DHHS)
Sent: Friday, January 22, 2016 4:17 PM
To: MSP-SEOCOPSC; MSP-EOC-MDCH
Cc: Brown, Melanie (DEQ)
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Thank you,

Angela Minicuci
Office of External Relations and Communications
Michigan Department of Health and Human Services
Office: (517) 241-2112
Mobile
minicucia@michigan.gov
www.michigan.gov/mdhhs

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MSP-EOC-MDTMB

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Friday, January 22, 2016 5:52 PM
To: MSP-EOC-MDSP; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: Flint Water Response Team Plan for Saturday and Sunday 01 23_24 16_FINAL
Attachments: Flint Water Response Team Plan for Saturday and Sunday 01 23_24 16_FINAL.pdf

Good Evening,

Please see attached for the WRT Plans for Saturday & Sunday.

Thank you
Lauren

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobile auren.twohig@redcross.org

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Friday, January 22, 2016 5:28 PM
To: MSP-EOC-MDTMB
Subject: FW: Poncho Invoices
Attachments: https__pjcalb01.sap.grainger.com_52001_bd_pay.pdf; McKee Invoice 1.pdf; McKee Invoice 2.pdf; McKee Invoice 3.pdf

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Zinn, Brent [mailto:Brent.Zinn@grainger.com]
Sent: Friday, January 22, 2016 3:29 PM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Poncho Invoices

Ryan,
Please find attached the invoices for the ponchos and the confirmation of payment.
Thanks,
Brent

Brent Zinn | Government Sales Manager | IN, MI | W.W. Grainger, Inc.
5617 Enterprise Dr | Lansing, MI 48911 | Cell Fax: (517) 882-7438

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From: Weaver, Jason
Sent: Thursday, January 21, 2016 4:25 PM
To: Zinn, Brent
Subject: Paid Invoices

Jason Weaver| Contact Center Manager, Federal Contact Center | W.W. Grainger, Inc

455 Knightsbridge Pkwy| Lincolnshire, Il 60069| Office: 847-793-6685 Cell: 9241|jason.weaver@grainger.com

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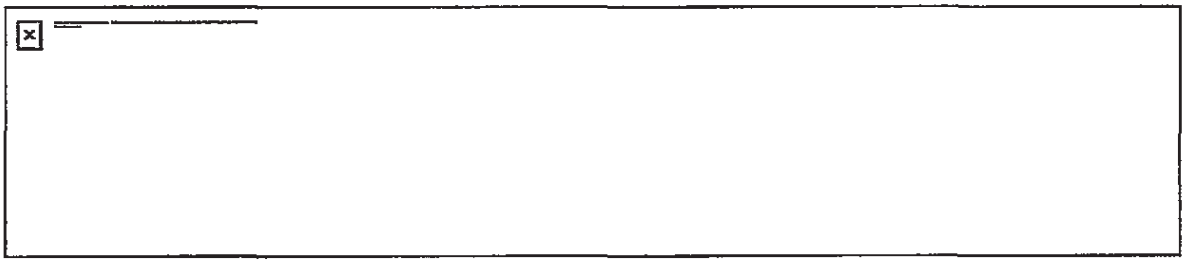
MSP-EOC-MDTMB

From: State of Michigan <MISOM@govsubscriptions.michigan.gov>
Sent: Friday, January 22, 2016 4:44 PM
To: MSP-EOC-MDTMB
Subject: Flint Volunteer Efforts



Dear State Employees,

Gov. Rick Snyder and I want to thank everyone who donated their time during the holiday weekend to deliver bottled water, water filters, replacement cartridges and water testing kits to families in the city of Flint. We are working hard to ensure all residents are provided with the safe water resources they need, and each donation and hour of your time volunteered goes a long way.

For employees who would like to help the residents of Flint, there are several opportunities to do so. Please visit www.helpforflint.com to learn how you can help.

For additional information and updates, visit www.michigan.gov/flintwater.

Again, thank you for all your support.

Sincerely, Mike Zimmer
Office of Good Government Director
Dept. of Licensing and Regulatory Affairs Director

This e-mail was sent to msp-eoc-mdtmb@michigan.gov using GovDelivery on behalf of: the State of Michigan, 111 S. Capitol Ave., Lansing, MI. *You are receiving this message because you are a State of Michigan employee.*

MSP-EOC-MDTMB

From: MSP-EOC-MDEQ
Sent: Friday, January 22, 2016 3:39 PM
To: MSP-EOC-MDTMB
Subject: RE: SEOC Request

Excellent, thanks!

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: MSP-EOC-MDTMB
Sent: Friday, January 22, 2016 3:23 PM
To: MSP-EOC-MDEQ
Subject: RE: SEOC Request

The DTMB Security Program Coordinator has been notified about the issue with the south guard and we'll have it resolved immediately. Also, DTMB Office of Infrastructure Protection is drafting a notice about the increased security presence to send to tenants in Constitution Hall.

Thanks,
Ryan McKee

From: MSP-EOC-MDEQ
Sent: Friday, January 22, 2016 3:12 PM
To: MSP-EOC-MDTMB
Subject: FW: SEOC Request

Please see note below and follow up as necessary.

Also, it may be a good idea for DTMB to send a note to all state employees reminding them not to let others into the building, for our own safety.

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Hawes, Mary Kay (DEQ)
Sent: Friday, January 22, 2016 7:43 AM
To: MSP-EOC-MDEQ
Subject: RE: SEOC Request

Thank you!

For the record, there have been "angry" phone calls from citizens to our call center and we are aware of the "Anonymous" person on YouTube who has posted threats so we are just trying to be proactive.

I see there is a guard at the South entrance already this morning. Thank You! However, he seems to need a reminder that the point of having him there is so he checks ID badges. I walked in behind several people streaming in while somebody held the door open. I didn't even take my ID out of my purse and I walked through without any question.

Thanks again for all of your help!

MK

Mary Kay Hawes
Department of Environmental Quality
Administration Division
Field Operations and Facilities Management

hawesm@michigan.gov

From: MSP-EOC-MDEQ
Sent: Thursday, January 21, 2016 8:39 PM
To: Hawes, Mary Kay (DEQ)
Cc: MSP-EOC-MDEQ
Subject: RE: SEOC Request

Hi Mary Kay

I submitted a request with the information in the other note, so no need to reply, unless you hear back from the SEOC.

SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: MSP-EOC-MDEQ
Sent: Thursday, January 21, 2016 7:26 PM
To: 'Hawes, Mary Kay (DEQ)'
Cc: 'MSP-EOC-MDEQ'
Subject: FW: SEOC Request

Hi Mary Kay

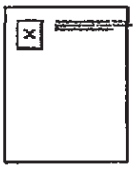
Can you give me a sentence or two to describe the reason - e.g. we've received threats, more visitors, protests or whatever and n we'll get the resource request in with those rationale. Thanks!

SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Wolf, Jennifer (DNR)
Sent: Thursday, January 21, 2016 6:55 PM

To: MSP-EOC-MDEQ
Subject: Fwd: SEOC Request

F/LT JEN WOLF
MI DEPT. OF NATURAL RESOURCES
LAW ENFORCEMENT DIVISION
COMMUNICATIONS, EMERGENCY MANAGEMENT & HOMELAND SECURITY
DESK: 517-284-6231
CELL:



REPORT ALL POACHING
1-800-292-7800

Begin forwarded message:

From: "Hawes, Mary Kay (DEQ)" <HawesM@michigan.gov>
Date: January 21, 2016 at 4:00:10 PM EST
To: "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan.gov>
Cc: "Pratt, Jeff (DTMB)" <prattj@michigan.gov>, "Knapp, Kathy (DTMB)" <knappk1@michigan.gov>, "Browne, Elizabeth (DEQ)" <BROWNEE@michigan.gov>
Subject: RE: SEOC Request

Thanks Chris and team.

Jen: Please read email chain below re: 3 additional guards added to Con Hall. 1 located at the East entrance to accompany the existing guard, 1 each at both the North and South entrances. FEMA funding would be ideal, but if that is not a viable option we can work through our Executive office on other funding sources as this request has come from them. Let me know if you need any additional information or have questions.

Thanks

MK

Mary Kay Hawes
Department of Environmental Quality
Administration Division
Field Operations and Facilities Management

hawesm@michigan.gov

From: Christensen, Chris (DTMB)
Sent: *Thursday, January 21, 2016 3:14 PM*
To: Hawes, Mary Kay (DEQ)

Cc: Pratt, Jeff (DTMB); Knapp, Kathy (DTMB)
Subject: FW: SEOC Request

Mary,

To help with the financial responsibly will you please speak with your emergency manager in the SEOC and we will get this taken care of?

Thanks,

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov
DTMB
HELP. CONNECT. SOLVE.

From: McKee, Ryan (DTMB)
Sent: Thursday, January 21, 2016 2:12 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Cc: Knapp, Kathy (DTMB) <knappk1@michigan.gov>
Subject: RE: SEOC Request

Please have Mary Kay work through DEQ's emergency management coordinator to put in the request through MICIMS since this is in direct relation to the events in Flint. This will ensure MSP is aware of the request.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Christensen, Chris (DTMB)
Sent: Thursday, January 21, 2016 2:09 PM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Cc: Knapp, Kathy (DTMB) <knappk1@michigan.gov>
Subject: SEOC Request

We have a request for additional security at the Con Hall building – Mary Kay Hawes from DEQ has expressed concern about the calls and visitors that they are receiving, after assessing the situation we would request 3 additional guards. How would you like this handled? I would expect they would like the funds to come from FEMA.

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

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MSP-EOC-MDTMB

From: MSP-EOC-MDEQ
Sent: Friday, January 22, 2016 3:12 PM
To: MSP-EOC-MDTMB
Subject: FW: SEOC Request

Please see note below and follow up as necessary.

Also, it may be a good idea for DTMB to send a note to all state employees reminding them not to let others into the building, for our own safety.

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Hawes, Mary Kay (DEQ)
Sent: Friday, January 22, 2016 7:43 AM
To: MSP-EOC-MDEQ
Subject: RE: SEOC Request

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Thanks again for all of your help!

MK

Mary Kay Hawes
Department of Environmental Quality
Administration Division
Field Operations and Facilities Management
517-881-0768
hawesm@michigan.gov

From: MSP-EOC-MDEQ
Sent: Thursday, January 21, 2016 8:39 PM
To: Hawes, Mary Kay (DEQ)
Cc: MSP-EOC-MDEQ
Subject: RE: SEOC Request

Hi Mary Kay

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SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: MSP-EOC-MDEQ
Sent: Thursday, January 21, 2016 7:26 PM
To: 'Hawes, Mary Kay (DEQ)'
Cc: 'MSP-EOC-MDEQ'
Subject: FW: SEOC Request

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SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Wolf, Jennifer (DNR)
Sent: Thursday, January 21, 2016 6:55 PM
To: MSP-EOC-MDEQ
Subject: Fwd: SEOC Request

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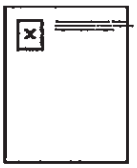
MI DEPT. OF NATURAL RESOURCES
LAW ENFORCEMENT DIVISION
COMMUNICATIONS, EMERGENCY MANAGEMENT & HOMELAND SECURITY
DESK: 517-284-6231
CELL:



REPORT ALL POACHING
1-800-292-7800

Begin forwarded message:

> **From:** "Hawes, Mary Kay (DEQ)" <HawesM@michigan.gov>
> **Date:** January 21, 2016 at 4:00:10 PM EST
> **To:** "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan.gov>

Cc: "Pratt, Jeff (DTMB)" <pratti@michigan.gov>, "Knapp, Kathy (DTMB)" <knappk1@michigan.gov>, "Browne, Elizabeth (DEQ)" <BROWNEE@michigan.gov>
Subject: RE: SEOC Request

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Thanks

MK

Mary Kay Hawes
Department of Environmental Quality
Administration Division
Field Operations and Facilities Management

hawesm@michigan.gov

From: Christensen, Chris (DTMB)
Sent: Thursday, January 21, 2016 3:14 PM
To: Hawes, Mary Kay (DEQ)
Cc: Pratt, Jeff (DTMB); Knapp, Kathy (DTMB)
Subject: FW: SEOC Request

Mary,

To help with the financial responsibly will you please speak with your emergency manager in the SEOC and we will get this taken care of?

Thanks,

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

DTMB
HELP. CONNECT. SOLVE.

From: McKee, Ryan (DTMB)
Sent: Thursday, January 21, 2016 2:12 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>

Cc: Knapp, Kathy (DTMB) <knappk1@michigan.gov>
Subject: RE: SEOC Request

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Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Christensen, Chris (DTMB)
Sent: Thursday, January 21, 2016 2:09 PM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Cc: Knapp, Kathy (DTMB) <knappk1@michigan.gov>
Subject: SEOC Request

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Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Friday, January 22, 2016 2:47 PM
To: MSP-EOC-MDTMB
Subject: Spreadsheet
Attachments: DTMB Tracking.xlsx

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MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Friday, January 22, 2016 12:52 PM
To: MSP-EOC-MDTMB
Subject: FW: Flint Volunteer Card Costs (500 IDs & FEMA Access Cards)

From: Philip, Brandon (DTMB)
Sent: Friday, January 22, 2016 12:46 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Cc: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Subject: Flint Volunteer Card Costs (500 IDs & FEMA Access Cards)

J & R –

Here are the costs associated with the most recent batch of 500 IDs & 10 FEMA access cards:

Labor
6.5 hours CSC (REG): $289.32
1.5 hours CSC (OT): $84.41
Labor Total: $373.73

Materials
500 ID cards: $50
10 Access Cards: $66
10 Cases: $4
500 Lanyards: $220
510 Clips: $117.30
500 Security Holograms: $40
1 color printer ribbon: $338
1 printer retransfer film: $72
Materials Total: $907.30

Grand Total Cost: $1,281.03

Brandon Philip
Michigan Department of Technology, Management & Budget
Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
(517) 335-4110

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Friday, January 22, 2016 12:23 PM
To: MSP-EOC-MDTMB
Subject: FW: P.O. #CC: Your Order Confirmation

From: Grainger [mailto:Grainger@service.grainger.com]
Sent: Friday, January 22, 2016 12:22 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: P.O. #CC: Your Order Confirmation

Do not reply to this email. This is an automated *notification which is unable to respond to replies.*
Please add grainger@service grainger com to your address book or safe list to ensure our emails reach your inbox.

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Tell us about yourself so we can send you the information you really want.

Grainger Order Confirmation

January 22, 2016

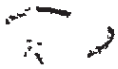
Dear Jeanette Doll,

Thank you for placing your order with Grainger!

A summary of your order appears below.

Check Order Status

You Might Also Like



Reading Glasses, +1.5, Clear, Polycarbonate

Air Regulator, 1/4 In. NPT, 15 cfm, 300 psi

Facial Tissue, Envison, Flat Box, PK30

Thank you. We look forward to serving you in the future, Grainger Customer Care.

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(1.800.472.4643)

Voltage Detector, 5 in. L, 90 to 1000VAC

View Order History

Order Details

Your Order Number: 125328 4349
Your PO Number: CC
Your Order is Being Prepared For:
MDMB MICH DEPT BUDGET
PO BOX 30026
LANSING, MI 48909-7526

Branch Pick up
2711 LAPEER RD.
FLINT, MI 48503

Order Summary

Product	Price	Qty	Status	Total
Product	Price	Qty	Preparing for Pickup	Total
Outlet Strip,6 Outlet, White Item no: 5A311 Sign up for Auto-Reorder	$5.16 each	12	*Expected to arrive on Friday, January 22, 2016*	$61.92

Status
Preparing for Pickup
Expected to arrive on Friday, January 22, 2016

Subtotal	**$61.92**
Tax	**$0.00**
Total Cost*	**$61.92**

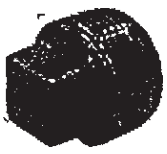
Additional Order Information

Customer Information	Billing Information	Branch Pickup
MDMB MICH DEPT BUDGET 530 W ALLEGAN ST 3RD FL LANSING, MI 48933-1521	MDMB MICH DEPT BUDGET PO BOX 30026 LANSING, MI 48909-7526 US	2711 LAPEER RD. FLINT, MI 48503 US Phone: 810-239-8008

Additional Information	We will deliver according to the following terms and conditions:
Order Date: 01/22/2016 Grainger EIN No: 36-1150280 PO: CC Customer Account number ending in: 9692 Requisitioner: JEANETTE DOLL Attention: JEANETTE DOLL Caller: JEANETTE DOLL Telephone. 517-404-5691	Incoterms© 2016: FOB Freight Terms: PPD Payment Terms: VISA

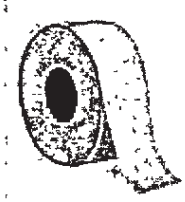
Top Products

Safety Glasses, Clear, Scratch-Resistant



Square Head Plug, 1/2 In., MNPT

RTV Silicone Sealant, 3 oz Tube, Blue



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This email was sent to dollj@michigan gov.

*Total Cost includes an estimated tax amount, if applicable.
Your invoice will reflect the final tax charges on the items available for pick-up.

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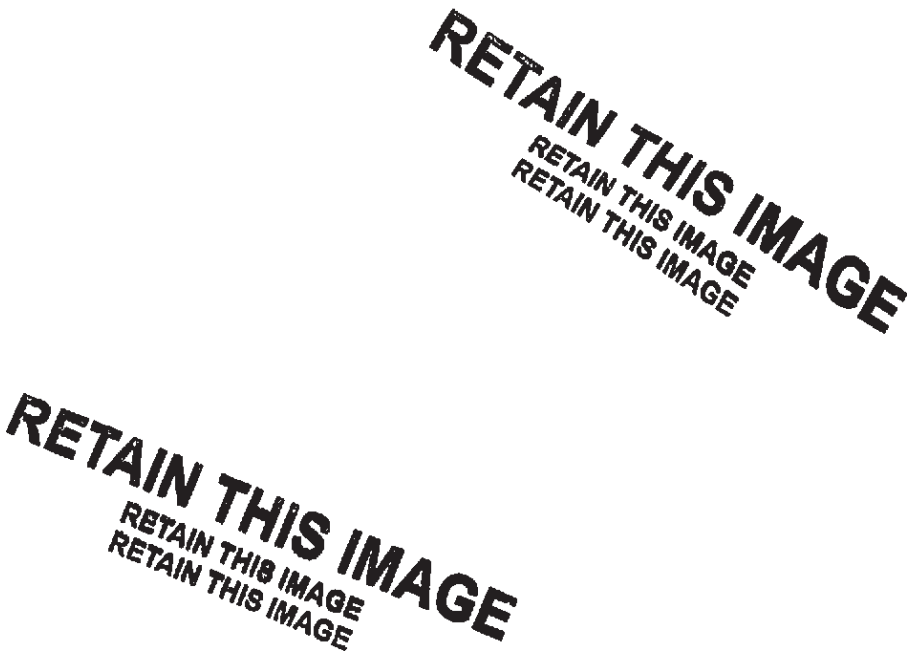
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MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Friday, January 22, 2016 10:22 AM
To: McKee, Ryan (DTMB)
Cc: MSP-EOC-MDTMB
Subject: Another Badge
Attachments: Dan Shulman.jpg; IMAT Team B - Listing.xlsx

MSP-EOC-MDTMB

From: MSP-EOC-MDEQ
Sent: Friday, January 22, 2016 8:25 AM
To: MSP-EOC-MDTMB; Doll, Jeanette (DTMB)
Subject: FW: Expediting sample Bottle Shipment from Environmental Express (EE)

The expedited shipment occurred on Jan 18th. The State Director directed the expediting to have resources provided for distribution of water test kits. The DEQ had been working with the City for several months prior to the state declaration and had been offering free lead and copper testing to residents during this time. The two points of distribution at that time were the City Hall and Water Treatment Plant. The messaging at that time was conducted by the City and test kits were provided in lots at their request. Before the declaration the DEQ provided the city approximately 1000 bottles with the City submitting just over 600 samples during this time.

The declaration of a State of Emergency by the Governor and subsequent activation of the SEOC immediately increased the distribution of supplies exponentially. The caused an immediate demand for the water test kits. The DEQ contacted their vendors and ordered all test bottles the vendors had in stock and able to quickly produce. The test bottles are manually capped by the vendors causing expediting charges due to the increased man power by the vendor as well as expedited shipping costs.

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: MSP-EOC-MDEQ
Sent: Monday, January 18, 2016 1:02 PM
To: 'Riley, Lisa'; Adelman, Mitch (DEQ); Shane, Kirby (DEQ)
Cc: Wolf, Jennifer (DNR); MSP-seoclgc; Antia-Obong, Jessica
Subject: RE: Expediting sample Bottle Shipment from Environmental Express (EE)

And thank you for all your help. Safe travels!

Mitch

From: Riley, Lisa [mailto:LisaR@envexp.com]
Sent: Monday, January 18, 2016 1:00 PM
To: MSP-EOC-MDEQ; Adelman, Mitch (DEQ); Shane, Kirby (DEQ)
Cc: Wolf, Jennifer (DNR); MSP-seoclgc; Antia-Obong, Jessica
Subject: RE: Expediting sample Bottle Shipment from Environmental Express (EE)

Mitch,
I will make the change to expedite the shipping at your expense. I want to give you a heads up that I'm traveling to visit customers Tuesday-Thursday this week and will check e-mail as time allows. I will ask Jessica in customer service to send you tracking when they ship on 1/19 and 1/21. You can also call 800-343-5319 and reference Sales order# 10375466 and anyone in customer service can help you too.
Thank you for your patience.
Lisa

From: MSP-EOC-MDEQ [mailto:MSP-EOC-MDEQ@michigan.gov]
Sent: Monday, January 18, 2016 12:49 PM
To: Riley, Lisa; Adelman, Mitch (DEQ); Shane, Kirby (DEQ)
Cc: Wolf, Jennifer (DNR); MSP-seoclgc
Subject: RE: Expediting sample Bottle Shipment from Environmental Express (EE)

Hi Lisa

We agree to pay the extra charge for overnight shipping. Please proceed to ship the 100 cases 1/9 for deliver to Clio Rd on 1/20, and ship the 200 cases on 1/21 for delivery on 1/22. You can use your own UPS account. Please provide tracking info as soon as available.

I will call you about the additional 140 cases we need to order. Ship date of 1/28 or 29 is too long, I need to see if we *can get sooner from elsewhere. Thanks!*

Mitch
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Riley, Lisa [mailto:LisaR@envexp.com]
Sent: Monday, January 18, 2016 11:52 AM
To: Adelman, Mitch (DEQ); Shane, Kirby (DEQ)
Cc: MSP-EOC-MDEQ; Wolf, Jennifer (DNR)
Subject: RE: Expediting sample Bottle Shipment from Environmental Express (EE)

Mitch,
The freight estimate for 100 individual cases would be $6,000 to ship UPS overnight. They would ship 1/19 for delivery 1/20. The overnight freight estimate for the 200 cases would be $12,000 to ship 1/21 and deliver 1/22. If you have a UPS account number that you prefer to use, we could use that instead? We would need to know soon (by 2PM ET) today if you prefer to ship UPS overnight versus LTL carrier for the 100 cases to get a large enough UPS truck in here.

ETA on another 10K or 138+ cases would be a ship date of 1/28 or 29. We already have 43,000 on order since this is one of our most common items.

ENVIRONMENTAL EXPRESS

Lisa Riley

Sales Representative
Environmental Express, Inc.
2345A Charleston Regional Pkwy
Charleston, SC 29492
Main 800.343.5319
Direct 331.777.8988
Cell
Fax 843.881.3964
www.EnvExp.com

PRODUCT(S) HIGHLIGHT: Oil and Grease products from Environmental Express include: SPE (Solid Phase Extraction) systems, extraction disks, manifolds, standards and reagents, and bottles. Our innovative products are method compliant and help you perform your analysis in efficient and cost effective ways. Be sure to check out our patented, preconditioned **UltraPrep®** disks with a built-in prefilter. We also offer other extraction disks to meet your lab needs, UltraLow™ and UltraFlow™!

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From: Adelman, Mitch (DEQ) [mailto:ADELMANM@michigan.gov]
Sent: Monday, January 18, 2016 9:01 AM
To: Riley, Lisa; Shane, Kirby (DEQ)
Cc: MSP-EOC-MDEQ; Wolf, Jennifer (DNR)
Subject: RE: Expediting sample Bottle Shipment from Environmental Express (EE)

Hi Lisa

Thanks for bumping up the shipping of 100 cs to 1/19 from 1/21, and the remaining 200 to 1/21. We will let you know as soon as we can whether we will be needing more bottles quickly as we are transitioning to possibly having FEMA ordering supplies. Thanks again!

Mitch
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Riley, Lisa [mailto:LisaR@envexp.com]
Sent: Monday, January 18, 2016 8:52 AM
To: Shane, Kirby (DEQ)
Cc: MSP-EOC-MDEQ; Wolf, Jennifer (DNR); Adelman, Mitch (DEQ)
Subject: RE: Expediting sample Bottle Shipment from Environmental Express (EE)

All,
A little bit of good news. The next 100 have been bumped up to ship on Tuesday, 1/19 and the other 200 will ship on Thursday, 1/21. I will provide PRO #s as soon as I have them. Do you anticipate needing more quickly? If so, we can certainly bring in extra specifically for you.

Lisa Riley
Sales Representative
Environmental Express
2345 A Charleston Regional Pkwy.
Charleston, SC 29492

LisaR@envexp.com
Cell
Office: (331) 777-8988 or 800-343-5319 X8988
Customer Service: 800-343-5319
Fax: (843) 576-1139
www.envexp.com

From: Shane, Kirby (DEQ) [mailto:SHANEK@michigan.gov]
Sent: Sunday, January 17, 2016 9:13 PM
To: Riley, Lisa
Cc: MSP-EOC-MDEQ; Wolf, Jennifer (DNR); Adelman, Mitch (DEQ)
Subject: Fw: Expediting sample Bottle Shipment from Environmental Express (EE)

Hi Lisa - You should have received a voicemail from one of my colleagues, Mitch Adelman, regarding the 400 cases of 32oz wide mouth bottles BPC1172 we ordered. See email below. I know you gave me an estimate on delivery for 100 shipping immediately, another 100 to ship on 01/21/16 and remaining 200 to be determined. Do you have any ideas on how we can get the remaining 300 cases shipped ASAP. Can you find out for me if there is a bottle manufacturing issue, bottle certification issue, or assembly issue (caps on bottles). We are working under a Federal Emergency. I am not in the office tomorrow, 01/18/16, but will be checking my emails.

Thank you,
Kirby

From: MSP-EOC-MDEQ
Sent: Sunday, January 17, 2016 5:33 PM
To: Shane, Kirby (DEQ)
Cc: Wolf, Jennifer (DNR); Adelman, Mitch (DEQ)
Subject: Expediting sample Bottle Shipment from Environmental Express (EE)

Hi Kirby

We've been directed to expedite delivery of the remaining 300 cases of the outstanding order from EE. I left Lisa Riley a voice mail message this afternoon, not expecting her to be in today, but hoping she may be working tomorrow. If you have any ideas on how we may seek expedited delivery before we have our 1:00 pm call on Tuesday, please let us know.

Thanks

Mitch

SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Thursday, January 21, 2016 7:57 PM
To: Nobach, Tonya (MSP)
Cc: MSP-EOC-MDTMB
Subject: Warehouse Security Concern

DTMB received information from our night security guard that 11 American Red Cross emergency response vehicles are being parked outside the warehouse, within the fence, with their keys left in them. There are also GPS devices in each vehicle. They were previously parked inside the secure warehouse.

The guard will keep an eye on the vehicles but wanted to pass the information on for situational awareness.

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Thursday, January 21, 2016 6:10 PM
To: MSP-EOC-MDTMB
Subject: DOC
Attachments: DTMB Tracking.xlsx

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Thursday, January 21, 2016 4:19 PM
To: MSP-EOC-MDTMB
Subject: Credit Card

Christopher Christensen (cristensenc4)
Bank of America

Expiration
Security Code: 7
Zip Code: 48933
517 241-6347

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Thursday, January 21, 2016 2:38 PM
To: Millimaki, Shelly (DTMB)
Cc: Wonn, Michael (DTMB); MSP-EOC-MDTMB
Subject: RE: Trucks/drivers for Monday

Great – thank you! Please send them to:

Food Bank of Eastern Michigan
2300 Lapeer Road, Flint 48503
Kevin Hammer

Jeanette

From: Millimaki, Shelly (DTMB)
Sent: Thursday, January 21, 2016 2:01 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Cc: Wonn, Michael (DTMB) <wonnm@michigan.gov>
Subject: RE: Trucks/drivers for Monday

Hi Jeanette,

I spoke to Mike Wonn and he has three drivers and the rental trucks set for next week.

Thanks,
Shelly

From: Doll, Jeanette (DTMB)
Sent: Thursday, January 21, 2016 12:34 PM
To: Millimaki, Shelly (DTMB) <MillimakiS@michigan.gov>
Cc: Cischke, Roy (DTMB) <cischker@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: Trucks/drivers for Monday

DMTB has been asked to provide 3 trucks/drivers with 7 pallet jacks to assist the Genesee County Food Bank Monday – Saturday 8 am – 4:30 pm.

I know all of the current drivers/trucks assignments are just through Sunday, so was hoping we could assist with this request.

Let me know if / who may be able to assist.

Thank you!!! Your guys are rocking it!!!!!

Jeanette

Jeanette Doll, Professional Emergency Manager
MI Dept. of Technology, Management & Budget
Emergency Management Coordinator

DTMB
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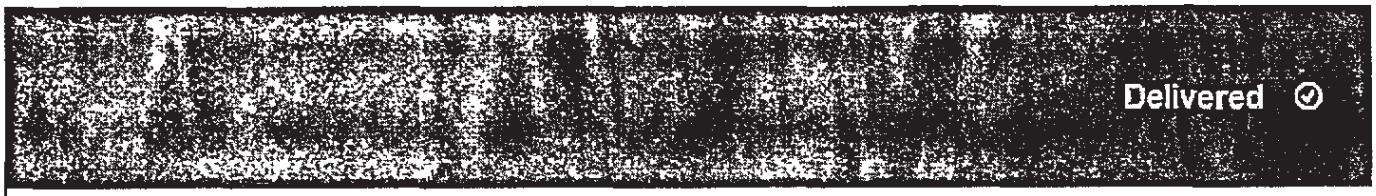
MSP-EOC-MDTMB

From: Nina_Cole@vwr.com
Sent: Thursday, January 21, 2016 1:03 PM
To: MSP-EOC-MDEQ
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); Government@vwr.com
Subject: RE: HDPE Bottle update Tracking included

Hi Jen,

Please see below. The packages were delivered at 12:29, signed for by Hood. The tracking information pictures are below. Please let me know if you need anything else.

1Z91AE800173207638 Upc



Delivered On:
Thursday, 01/21/2016 at 12:29 P.M.

Notify me with Updates »

Left At:
Receiver

Signed By:
HOOD

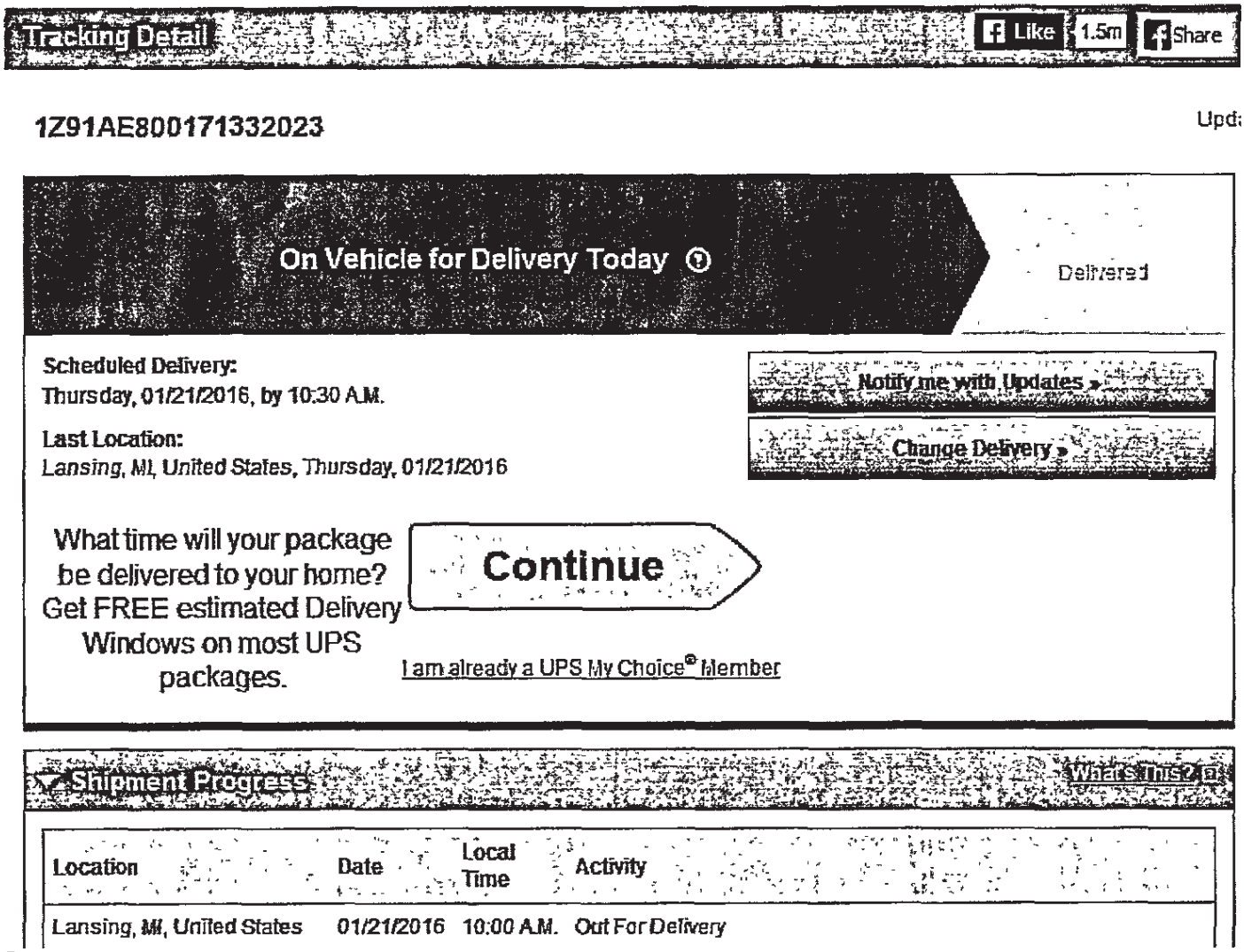
Proof of Delivery

What time will your package be delivered to your home? Get FREE estimated Delivery Windows on most UPS packages.

Continue

I am already a UPS My Choice® Member

Kirby's package states our for delivery.



Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

From MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan gov>
To "Nina_Cole@vwr.com" <Nina_Cole@vwr.com>, "Shane, Kirby (DEQ)" <SHANEK@michigan.gov>,
Cc "Adelman, Mitch (DEQ)" <ADELMANM@michigan.gov>, "Andy_Garrison@vwr.com" <Andy_Garrison@vwr.com>, "Johnson, Dora (DEQ)" <JOHNSOND7@michigan.gov>, "Krisztian, George (DEQ)" <krisztiang@michigan.gov>, "Lewis_McMillan@VWR.COM" <Lewis_McMillan@VWR.COM>, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>, "Pieper, Julia (DEQ)" <PIEPERJ2@michigan.gov>, "Premoe, Tara (DEQ)" <PremoeT@michigan.gov>, "Sambiaglo, Melissa (DTMB)" <SambiagioM@michigan gov>, "Smith, Carol (DEQ)" <SMITHC@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan.gov>
Date: 01/21/2016 11.43 AM
Subject: RE: HDPE Bottle update Tracking included

5 BOXES FOR MDEQ FLINT – next day air – 1Z91AE800173207638

Is showing delivery for tomorrow not today….

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Nina_Cole@vwr.com [mailto:Nina_Cole@vwr.com]
Sent: Thursday, January 21, 2016 10:37 AM
To: Shane, Kirby (DEQ)
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: RE: HDPE Bottle update Tracking included

Hello everyone,

Please see below for the overnight tracking information arriving today.

5 BOXES FOR MDEQ FLINT – next day air – 1Z91AE800173207638
1 BOX FOR MDEQ LANSING – next day air – 1Z91AE800171332023

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

From: "Shane, Kirby (DEQ)" <SHANEK@michigan.gov>
To: "Nina_Cole@vwr.com" <Nina_Cole@vwr.com>,
Cc: "Adelman, Mitch (DEQ)" <ADELMANM@michigan.gov>, "Andy_Garrison@vwr.com" <Andy_Garrison@vwr.com>, "Johnson, Dora (DEQ)" <JOHNSOND7@michigan.gov>, "Krisztian, George (DEQ)" <krisztiang@michigan.gov>, "Lewis_McMillan@VWR.COM" <Lewis_McMillan@VWR.COM>, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>, "Pieper, Julia (DEQ)" <PIEPERJ2@michigan.gov>, "Premoe, Tara (DEQ)" <PremoeT@michigan.gov>, "Sambiagio, Melissa (DTMB)" <SambiagioM@michigan.gov>, "Smith, Carol (DEQ)" <SMITHC@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan.gov>
Date: 01/20/2016 03:10 PM
Subject: RE: HDPE Bottle update Tracking included

Hi Nina – I just tracked the 1 case coming to the Lab for lot testing and UPS indicates that it won't be here until Friday. Any way for you to change this to Tomorrow?

Kirby Shane
Chief, Inorganic Unit
Laboratory Services
MichiganDEQ
shanek@michigan.gov
517.335.9888

From: Nina_Cole@vwr.com [mailto:Nina_Cole@vwr.com]
Sent: Tuesday, January 19, 2016 5:30 PM
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: Re: HDPE Bottle update Tracking included

Hello Everyone,

Please see below for the tracking information for the shipments that will arrive tomorrow.

The 41 cases going to Flint, MI are being shipped UPS Freight, tracking # 319315780
1 case going to Lansing, MI UPS Ground, tracking # 1Z91AE800371241770

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

From: Nina Cole/VWRI
To: "Adelman, Mitch (DEQ)" <ADELMANM@michigan.gov>, "Krisztian, George (DEQ)" <krisztiang@michigan.gov>, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>, "Pieper, Julia (DEQ)" <PIEPERJ2@michigan.gov>, "Shane, Kirby (DEQ)" <SHANEK@michigan.gov>, "Smith, Carol (DEQ)" <SMITHC@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan.gov>, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>, "Premoe, Tara (DEQ)" <PremoeT@michigan.gov>, JOHNSOND7@michigan.gov, SambiagioM@michigan.gov,
Cc: Andy Garrison/VWRI@VWRI, Lewis McMillan/VWRI@VWRI
Date: 01/19/2016 04:34 PM
Subject: HDPE Bottle update

Hello everyone,

Thank you for all of the calls yesterday and today. I would like to update everyone on the status of the VWR order, order number 8018384025 for 150 cases of 71001-158. We have C&G container shipping 42 cases tonight. One case will be going to Kirby at the Lansing lab and 41 cases are to arrive in Flint. When shipments have tracking information we will be able to send the tracking information to all of you.

For the Friday shipment, C&G will now only be able to allot 50 cases to the shipment. I have called and alerted Kirby and the Emergency Management team about this development. They have assured me that this will work fine.

Next week our C&G rep will update us as soon as we know the remaining 58 cases will be shipping. I will continue to update everyone if there are any changes. I will also be sending the tracking information to everyone on this email chain when I receive it.

Please let me know if there is anyone else that needs to be added to this email chain for updates about this bottle order.

If MDEQ can forecast how many more bottles that will be needed in the future we will be able to avoid the rush shipment charges. C&G has waived a 25% fee that usually accompanies the rush order's assembly for this shipment but I do not think they will waive the 25% rush assembly fee for any future orders.

Please let me know if you have any questions.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Thursday, January 21, 2016 12:55 PM
To: Millimaki, Shelly (DTMB)
Cc: Cischke, Roy (DTMB); MSP-EOC-MDTMB
Subject: RE: Trucks/drivers for Monday

Trucks and drivers -

From: Millimaki, Shelly (DTMB)
Sent: Thursday, January 21, 2016 12:36 PM
To: *Doll, Jeanette (DTMB) <dollj@michigan.gov>*
Cc: Cischke, Roy (DTMB) <cischker@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: RE: Trucks/drivers for Monday

Hi Jeanette,

I am assuming it is drivers only and not trucks?

Thanks,
Shelly

From: Doll, Jeanette (DTMB)
Sent: Thursday, January 21, 2016 12:34 PM
To: Millimaki, Shelly (DTMB) <MillimakiS@michigan.gov>
Cc: Cischke, Roy (DTMB) <cischker@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: Trucks/drivers for Monday

DMTB has been asked to provide 3 trucks/drivers with 7 pallet jacks to assist the Genesee County Food Bank Monday – Saturday 8 am – 4:30 pm.

I know all of the current drivers/trucks assignments are just through Sunday, so was hoping we could assist with this request.

Let me know if / who may be able to assist.

Thank you!!! Your guys are rocking it!!!!!

Jeanette

Jeanette Doll, Professional Emergency Manager
MI Dept. of Technology, Management & Budget
Emergency Management Coordinator
Cell

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MSP-EOC-MDTMB

From: Millimaki, Shelly (DTMB)
Sent: Thursday, January 21, 2016 12:36 PM
To: *Doll, Jeanette (DTMB)*
Cc: Cischke, Roy (DTMB); MSP-EOC-MDTMB
Subject: RE: Trucks/drivers for Monday

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Thanks,
Shelly

From: Doll, Jeanette (DTMB)
Sent: Thursday, January 21, 2016 12:34 PM
To: Millimaki, Shelly (DTMB) <MillimakiS@michigan.gov>
Cc: Cischke, Roy (DTMB) <cischker@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: Trucks/drivers for Monday

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Thank you!!! Your guys are rocking it!!!!!

Jeanette

Jeanette Doll, Professional Emergency Manager
MI Dept. of Technology, Management & Budget
Emergency Management Coordinator
Cell
DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Thursday, January 21, 2016 12:34 PM
To: Millimaki, Shelly (DTMB)
Cc: Cischke, Roy (DTMB); MSP-EOC-MDTMB
Subject: Trucks/drivers for Monday

DMTB has been asked to provide 3 trucks/drivers with 7 pallet jacks to assist the Genesee County Food Bank Monday – Saturday 8 am – 4:30 pm.

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Jeanette

Jeanette Doll, Professional Emergency Manager
MI Dept. of Technology, Management & Budget
Emergency Management Coordinator
(Cell

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Tillung, Todd <todd.tillung@fema.dhs.gov>
Sent: Thursday, January 21, 2016 12:24 PM
To: MSP-EOC-MDTMB
Subject: Photo - Garriga
Attachments: Gabriel Garriga.JPG

Here is photo for Gabriel Garriga

TODD A. TILLUNG
Department of Homeland Security
Federal Emergency Management Agency (FEMA)
Region V IMAT Finance and Administration Section Chief
536 S. Clark St 6th Floor
Chicago, IL 60605
FEMA Office: 312-408-5250
FEMA Cell:
FEMA E-mail: todd.tillung@fema.dhs.gov

From: MSP-EOC-MDTMB [mailto:MSP-EOC-MDTMB@michigan.gov]
Sent: Wednesday, January 20, 2016 8:14 PM
To: Tillung, Todd
Cc: Hamrick, William
Subject: RE: IMAT Team - Flint

Please do. If we receive the information tomorrow morning, we'll get to work on printing the badges.

Thank you,

Ryan McKee, Professional Emergency Manager (PEM)
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Tillung, Todd [mailto:todd.tillung@fema.dhs.gov]
Sent: Wednesday, January 20, 2016 8:10 PM
To: MSP-EOC-MDTMB
Cc: Tillung, Todd; Hamrick, William
Subject: IMAT Team - Flint

Hi Ryan,

I got your information from my Team Lead (Alicia). She asked me to reach out to you regarding the badges for our FEMA staff that will be heading to Flint to support HHS.

Can I forward the emails from each person as it has their

1. Full Name
2. DOB
3. Attached Picture

Todd

TODD A. TILLUNG
Department of Homeland Security
Federal Emergency Management Agency (FEMA)
Region V IMAT Finance and Administration Section Chief
536 S. Clark St 6th Floor
Chicago, IL 60605
FEMA Office: 312-408-5250
FEMA Cell:
FEMA E-mail: todd.tillung@fema.dhs.gov

MSP-EOC-MDTMB

From:	MSP-EOC-MDEQ
Sent:	Thursday, January 21, 2016 11:43 AM
To:	Nina_Cole@vwr.com; Shane, Kirby (DEQ)
Cc:	Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject:	RE: HDPE Bottle update Tracking included

5 BOXES FOR MDEQ FLINT – next day air – 1Z91AE800173207638

Is showing delivery for tomorrow not today….

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Nina_Cole@vwr.com [mailto:Nina_Cole@vwr.com]
Sent: Thursday, January 21, 2016 10:37 AM
To: Shane, Kirby (DEQ)
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: RE: HDPE Bottle update Tracking included

Hello everyone,

Please see below for the overnight tracking information arriving today.

5 BOXES FOR MDEQ FLINT – next day air – 1Z91AE800173207638
1 BOX FOR MDEQ LANSING – next day air – 1Z91AE800171332023

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

From: "Shane, Kirby (DEQ)" <SHANEK@michigan.gov>
To: "Nina_Cole@vwr.com" <Nina_Cole@vwr.com>,
Cc: "Adelman, Mitch (DEQ)" <ADELMANM@michigan.gov>, "Andy_Garrison@vwr.com" <Andy_Garrison@vwr.com>, "Johnson, Dora (DEQ)" <JOHNSOND7@michigan.gov>, "Krisztian, George (DEQ)" <krisztiang@michigan.gov>, "Lewis_McMillan@VWR.COM" <Lewis_McMillan@VWR.COM>, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>, "Pieper, Julia (DEQ)" <PIEPERJ2@michigan.gov>, "Premoe, Tara (DEQ)" <PremoeT@michigan.gov>, "Sambiagio, Melissa (DTMB)" <SambiagioM@michigan.gov>, "Smith, Carol (DEQ)" <SMITHC@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan.gov>
Date: 01/20/2016 03:10 PM
Subject: RE: HDPE Bottle update Tracking included

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MSP-EOC-MDTMB

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Sent: Thursday, January 21, 2016 8:25 AM
To: Shane, Kirby (DEQ)
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Subject: RE: HDPE Bottle update Tracking included

FYI- I did speak with Nina last night just before leaving and asked that she followed up with an email so Mitch could inform everyone. I see that did not occur until late last night so we are all getting the info this morning.

For George, at what point do we want to agree that we have a representative sample amount? Should we consider still offering testing for anyone who wants it but relieve the push of these to the extent we have been? We would need to develop appropriate messaging. At this point with the orders coming in through next week we will have distributed in excess of 70,000 water test kits.

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

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Please let me know if anyone has questions. Thank you.

Best,

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MSP-EOC-MDTMB

From: Tillung, Todd <todd.tillung@fema.dhs.gov>
Sent: Wednesday, January 20, 2016 8:16 PM
To: MSP-EOC-MDTMB
Cc: Hamrick, William; Tillung, Todd
Subject: RE: IMAT Team - Flint

Ryan,

After sending below email I realize I need to change how I submit information to you. I have to follow PII policies. I will be sending a spreadsheet with all data and pictures attached.

Todd

TODD A. TILLUNG
Department of Homeland Security
Federal Emergency Management Agency (FEMA)
Region V IMAT Finance and Administration Section Chief
536 S. Clark St 6th Floor
Chicago, IL 60605
FEMA Office: 312-408-5250
FEMA Cell:
FEMA E-mail: todd.tillung@fema.dhs.gov

From: Tillung, Todd
Sent: Wednesday, January 20, 2016 8:10 PM
To: msp-eoc-mdtmb@michigan.gov
Cc: Tillung, Todd; Hamrick, William
Subject: IMAT Team - Flint

Hi Ryan,

I got your information from my Team Lead (Alicia). She asked me to reach out to you regarding the badges for our FEMA staff that will be heading to Flint to support HHS.

Can I forward the emails from each person as it has their

1. Full Name
2. DOB
3. Attached Picture

Todd

TODD A. TILLUNG
Department of Homeland Security
Federal Emergency Management Agency (FEMA)
Region V IMAT Finance and Administration Section Chief
536 S. Clark St 6th Floor
Chicago, IL 60605

FEMA Office: 312-408-5250
FEMA Cell:
FEMA E-mail: todd.tillung@fema.dhs.gov

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MSP-EOC-MDTMB

From: Tillung, Todd <todd.tillung@fema.dhs.gov>
Sent: Wednesday, January 20, 2016 8:10 PM
To: MSP-EOC-MDTMB
Cc: Tillung, Todd; Hamrick, William
Subject: IMAT Team - Flint

Hi Ryan,

I got your information from my Team Lead (Alicia). She asked me to reach out to you regarding the badges for our FEMA staff that will be heading to Flint to support HHS.

Can I forward the emails from each person as it has their

1. Full Name
2. DOB
3. Attached Picture

Todd

TODD A. TILLUNG
Department of Homeland Security
Federal Emergency Management Agency (FEMA)
Region V IMAT Finance and Administration Section Chief
536 S. Clark St 6th Floor
Chicago, IL 60605
FEMA Office: 312-408-5250
FEMA Cell:
FEMA E-mail: todd.tillung@fema.dhs.gov

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 20, 2016 6:54 PM
To: MSP-EOC-MDTMB
Subject: FW: Customer Order -- The Home Depot
Attachments: CustomerOrder#191714.pdf; ATT00001.htm

Receipt for stretch wrap and box cutters.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: DAVID_KHANUJA@homedepot.com [mailto:DAVID_KHANUJA@homedepot.com]
Sent: Wednesday, January 20, 2016 6:50 PM
To: *McKee, Ryan (DTMB) <mckeer1@michigan.gov>*
Subject: Fwd: Customer Order -- The Home Depot

Ryan, here is the updated receipt.

Thanks,

David Khanuja
Pro Account Representative
The Home Depot - Midwest Region
Cell
David_khanuja@homedepot.com

Begin forwarded message:

> **From:** <noreply@homedepot.com>
> **Date:** January 20, 2016 at 6:49:18 PM EST
> **To:** <DAVID_KHANUJA@HOMEDEPOT.COM>
> **Subject: Customer Order -- The Home Depot**
>
> Dear MATT PURCELL,
>
> In response to your request, this is a message containing your recent order from the Home Depot.
>
> The details for your order are attached. Your order number is 2763-191714.
>
> If you have any questions, please call

Thank you for choosing The Home Depot for your home improvement needs.

Please note that you will need a PDF reader to view the attached customer agreement. If you do not have a
PDF reader installed on your computer, please go to www.adobe.com to get a free Adobe Acrobat reader. This
is only for the purpose of viewing your order information and does not constitute endorsement, non-
endorsement or support by The Home Depot for Adobe products.

Please do not reply to this email. If you have any questions regarding the information contained in this email, please call the contact
number provided for assistance.

The information in this Internet Email is confidential and may be legally privileged. It is intended solely for the addressee Access to this Email by anyone else is unauthorized If you are not the intended recipient, any disclosure, copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful. When addressed to our clients any opinions or advice contained in this Email are subject to the terms and conditions expressed in any applicable governing The Home Depot terms of business or client engagement letter. The Home Depot disclaims all responsibility and liability for the accuracy and content of this attachment and for any damages or losses arising from any inaccuracies, errors, viruses, e.g., worms, trojan horses, etc., or other items of a destructive nature, which may be contained in this attachment and shall not be liable for direct, indirect, consequential or special damages in connection with this e-mail message or its attachment.

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Wednesday, January 20, 2016 6:50 PM
To: MSP-EOC-MDTMB
Subject: RE: Doc
Attachments: DTMB Resources & Expenses.xlsx

From: MSP-EOC-MDTMB
Sent: Wednesday, January 20, 2016 5:58 PM
To: MSP-EOC-MDTMB
Subject: Doc

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 20, 2016 4:22 PM
To: MSP-EOC-MDEQ; MSP-EOC-MDTMB
Subject: RE: Warehouse Space
Attachments: IMAG0929.jpg; IMAG0930.jpg; IMAG0931.jpg; IMAG0927.jpg

---

From: MSP-EOC-MDEQ
Sent: Wednesday, January 20, 2016 4:07 PM
To: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Warehouse Space

Can you try to attached your email to a reply to this one? It still hasn't come through.

SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 20, 2016 4:00 PM
To: alicia.tate-nadeau@fema.dhs.gov
Cc: MSP-EOC-MDTMB
Subject: FW: Pics of rooms

Alicia –

Attached are two pictures per room. We have three spare tables which are the same as the ones in the first two pictures these tables are roughly 3ft x 6ft. We are in the process of obtaining additional tables and chairs and will need to know what additional needs are required.

Jeanette Doll

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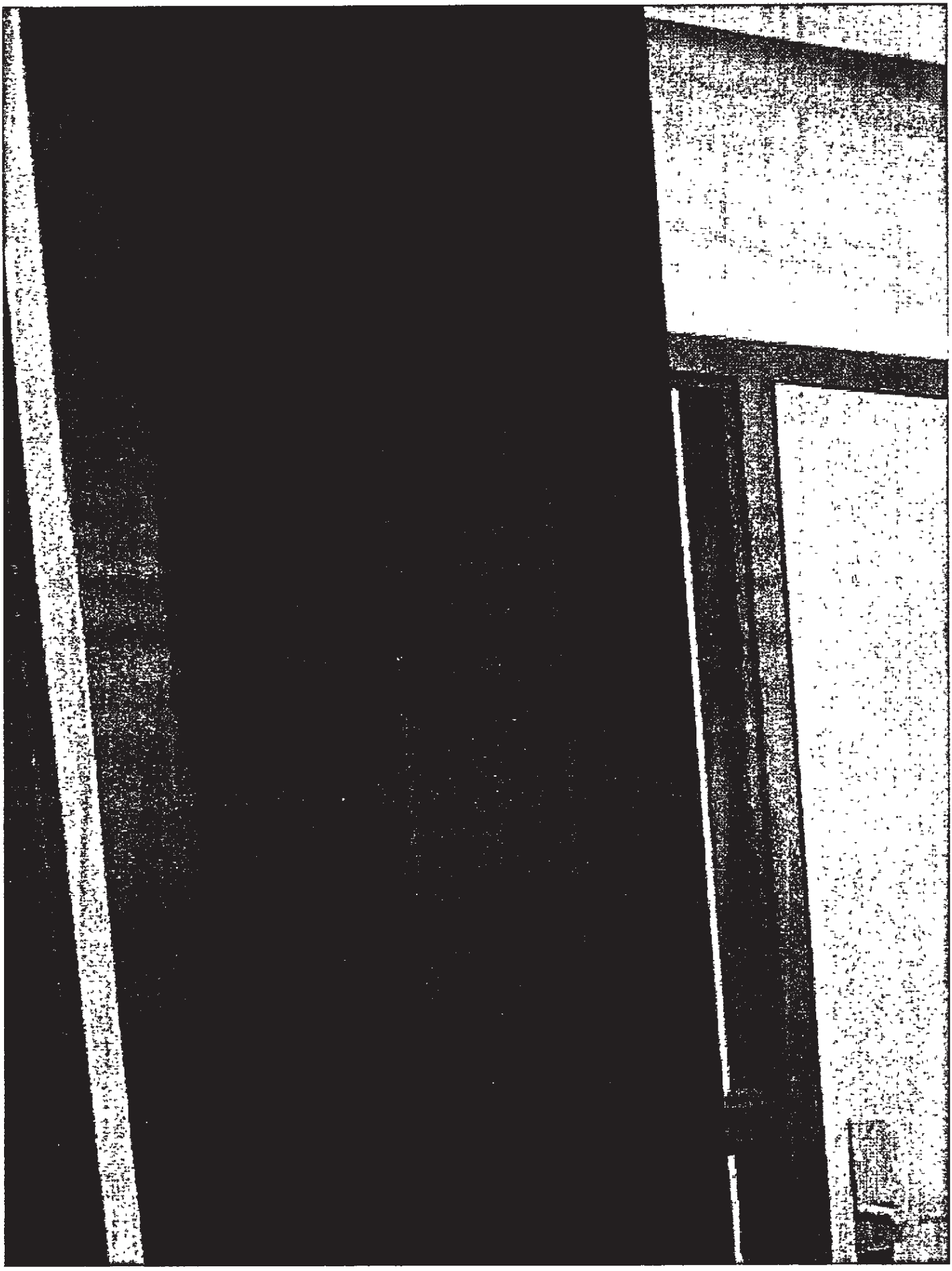

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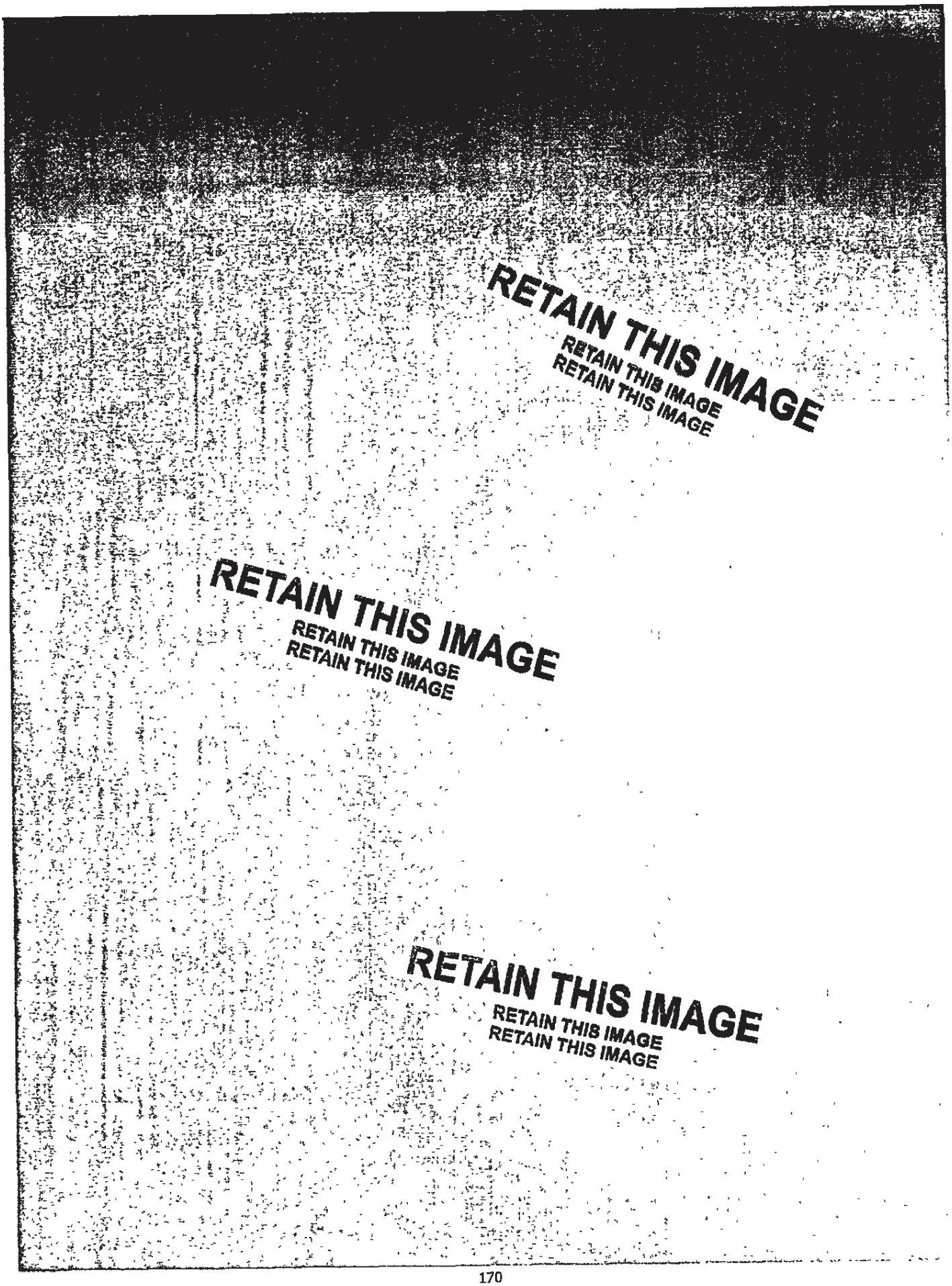
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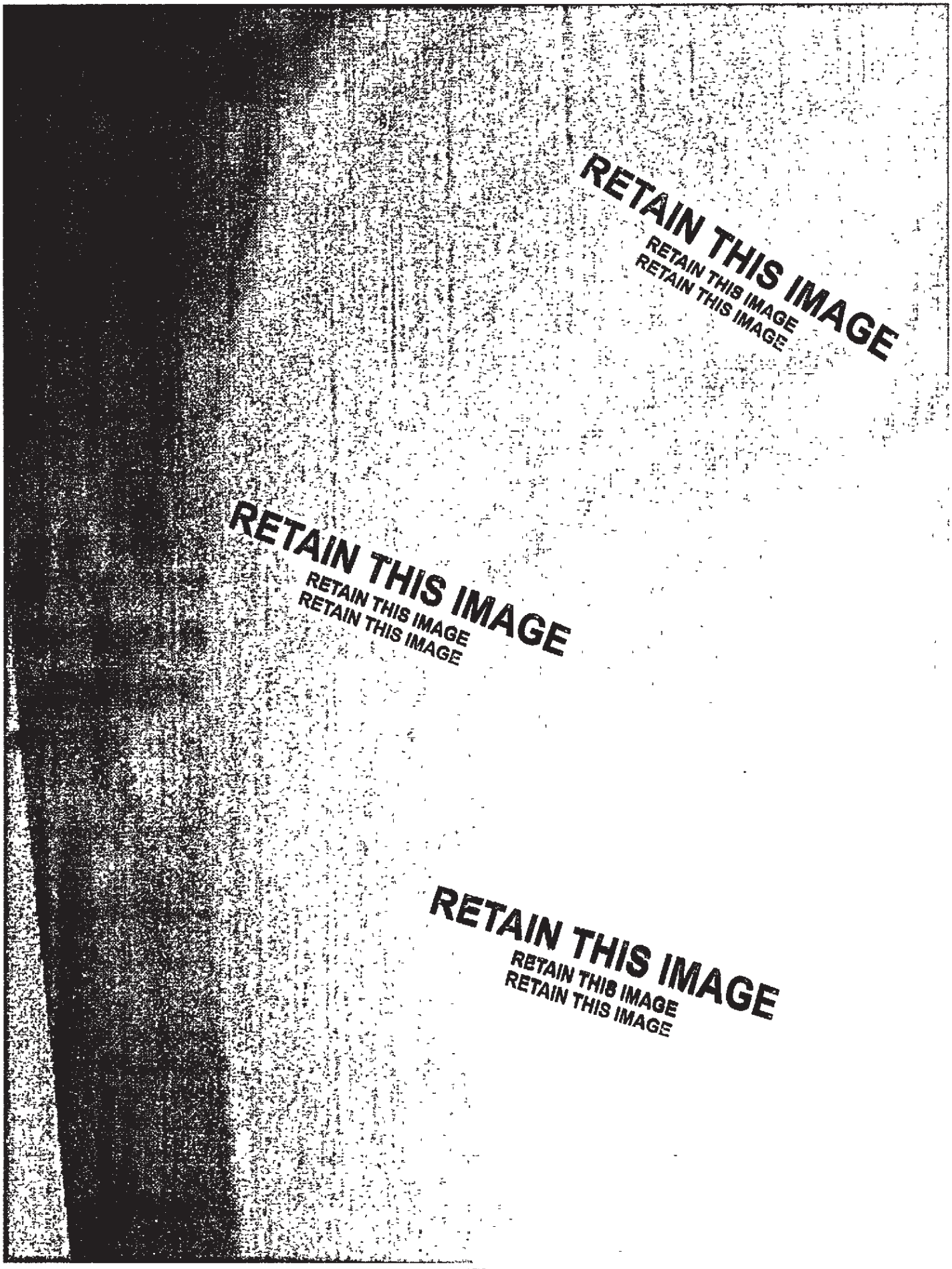
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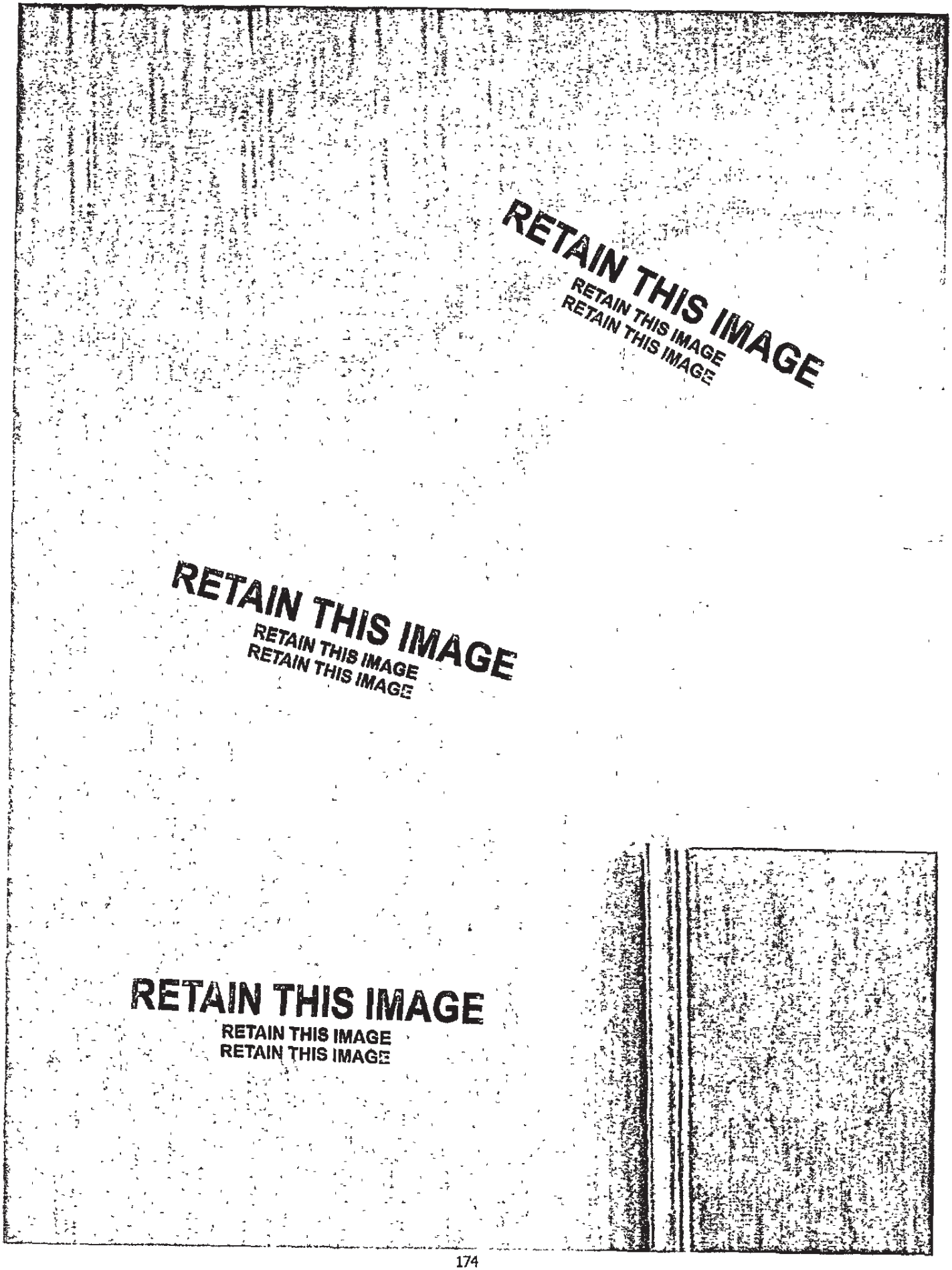
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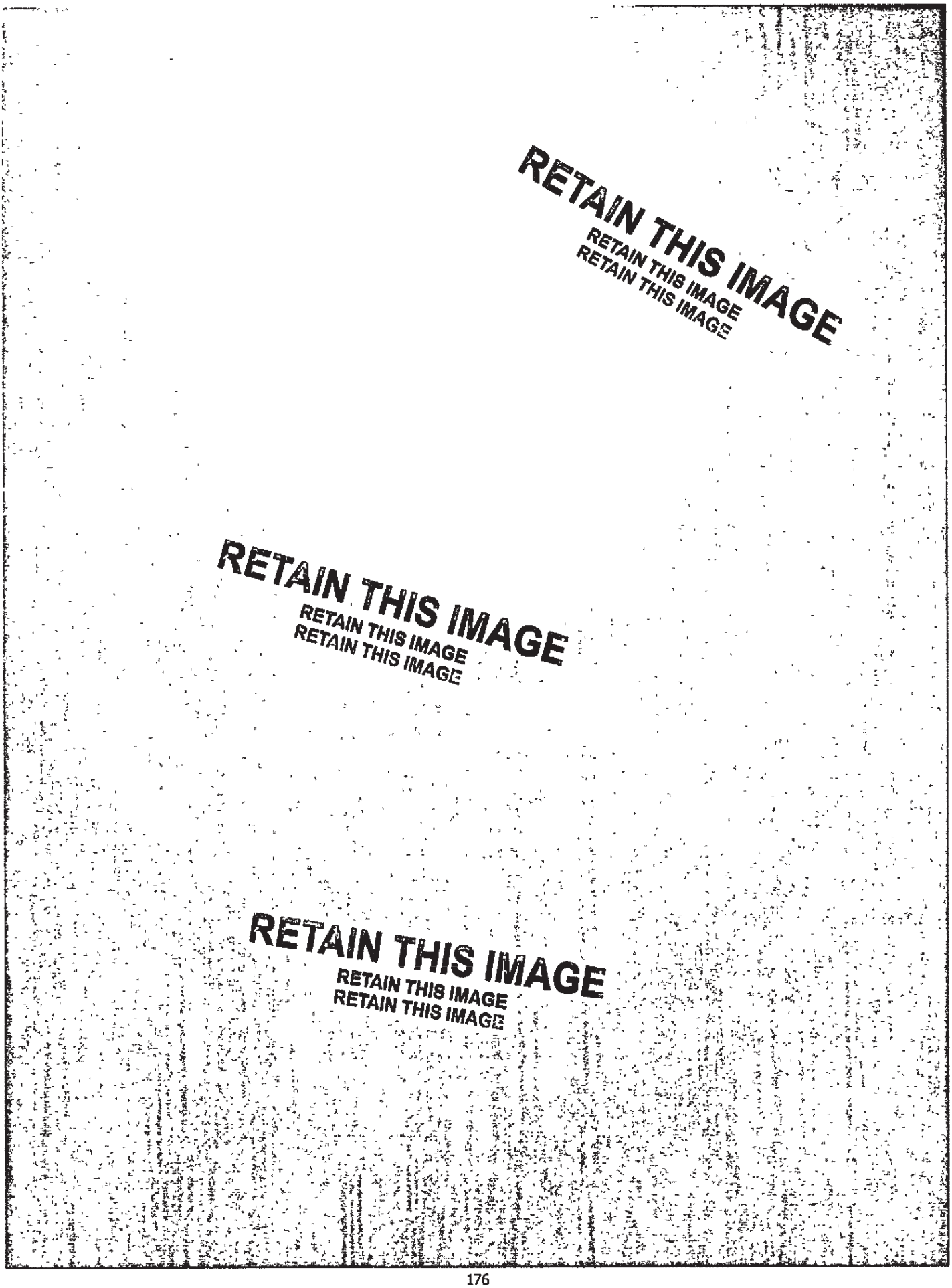
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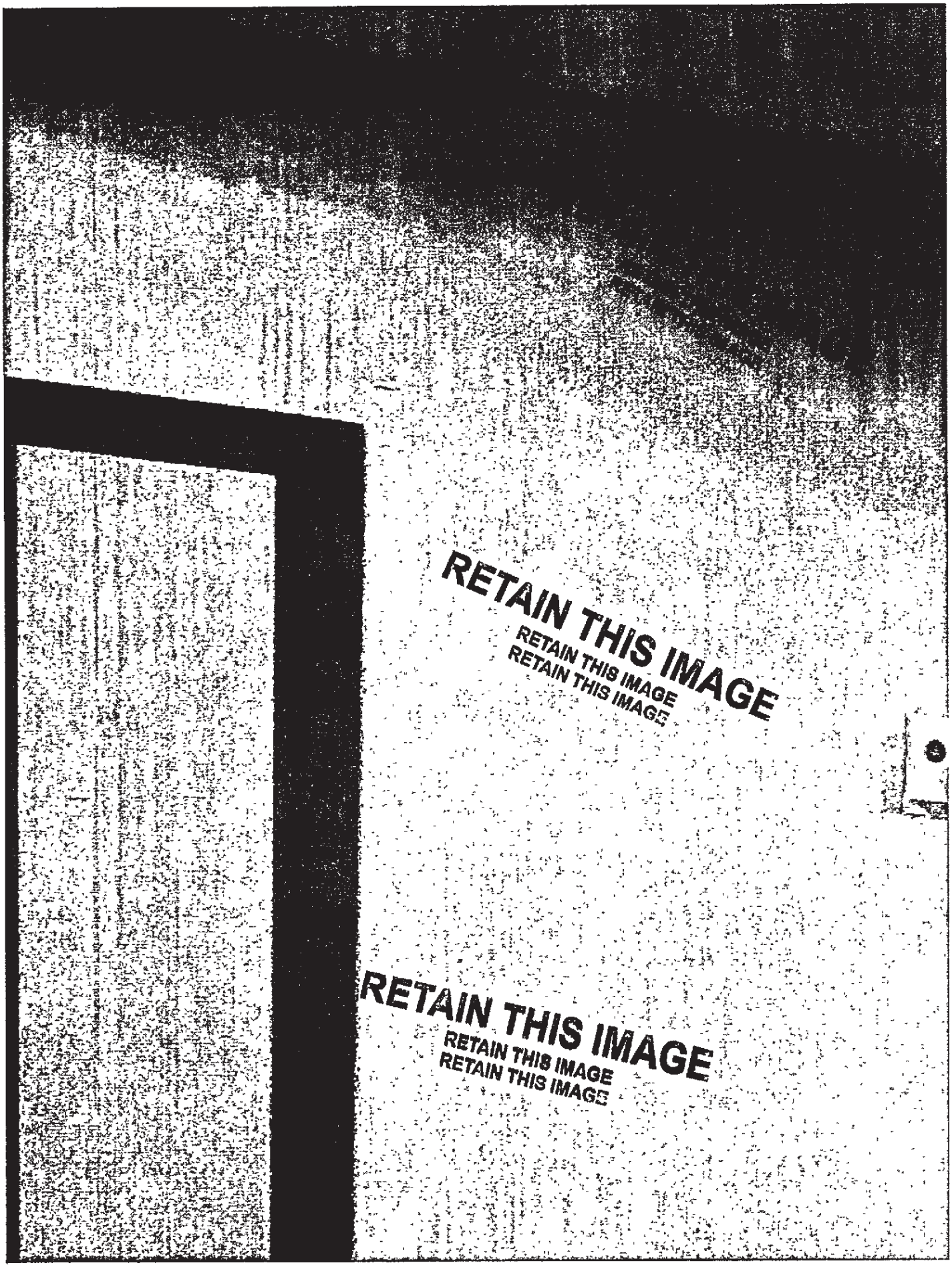
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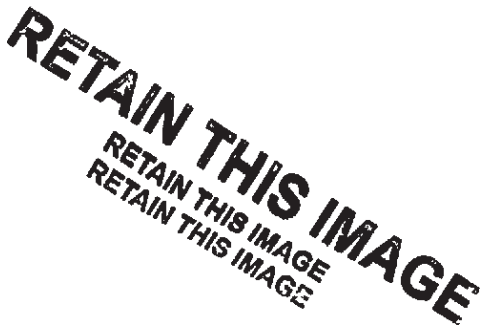
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MSP-EOC-MDTMB

From: Shane, Kirby (DEQ)
Sent: Wednesday, January 20, 2016 3:09 PM
To: Nina_Cole@vwr.com
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: RE: HDPE Bottle update Tracking included

Hi Nina – I just tracked the 1 case coming to the Lab for lot testing and UPS indicates that it won't be here until Friday. Any way for you to change this to Tomorrow?

Kirby Shane
Chief, Inorganic Unit
Laboratory Services
MichiganDEQ
shanek@michigan.gov
517.335.9888

From: Nina_Cole@vwr.com [mailto:Nina_Cole@vwr.com]
Sent: Tuesday, January 19, 2016 5:30 PM
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: Re: HDPE Bottle update Tracking included

Hello Everyone,

Please see below for the tracking information for the shipments that will arrive tomorrow.

The 41 cases going to Flint, MI are being shipped UPS Freight, tracking # 319315780
1 case going to Lansing, MI UPS Ground, tracking # 1Z91AE800371241770

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

From. Nina Cole/VWRI
To: "Adelman, Mitch (DEQ)" <ADELMANM@michigan.gov>, "Krisztian, George (DEQ)" <krisztiang@michigan.gov>, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>, "Pieper, Julia (DEQ)" <PIEPERJ2@michigan.gov>, "Shane, Kirby (DEQ)" <SHANEK@michigan.gov>, "Smith, Carol (DEQ)" <SMITHC@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan.gov>, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>, "Premoe, Tara (DEQ)" <PremoeT@michigan.gov>, JOHNSOND7@michigan.gov, SambiagioM@michigan.gov,
Cc: Andy Garrison/VWRI@VWRI, Lewis McMillan/VWRI@VWRI
Date. 01/19/2016 04:34 PM
Subject: HDPE Bottle update

Hello everyone,

Thank you for all of the calls yesterday and today. I would like to update everyone on the status of the VWR order, order number 8018384025 for 150 cases of 71001-158. We have C&G container shipping 42 cases tonight. One case will be going to Kirby at the Lansing lab and 41 cases are to arrive in Flint. When shipments have tracking information we will be able to send the tracking information to all of you.

For the Friday shipment, C&G will now only be able to allot 50 cases to the shipment. I have called and alerted Kirby and the Emergency Management team about this development. They have assured me that this will work fine.

Next week our C&G rep will update us as soon as we know the remaining 58 cases will be shipping. I will continue to update everyone if there are any changes. I will also be sending the tracking information to everyone on this email chain when I receive it.

Please let me know if there is anyone else that needs to be added to this email chain for updates about this bottle order.

If MDEQ can forecast how many more bottles that will be needed in the future we will be able to avoid the rush shipment charges. C&G has waived a 25% fee that usually accompanies the rush order's assembly for this shipment but I do not think they will waive the 25% rush assembly fee for any future orders.

Please let me know if you have any questions.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cel
Fax (810) 728-2517
http://www.vwr.com

MSP-EOC-MDTMB

From: JICManager
Sent: Wednesday, January 20, 2016 10:50 AM
To: MSP-seoclgc
Cc: MSP-EOC-MDHS; Hunter, Janet (DHHS); Holmes, Virginia (DHHS); MSP-SEOCOPSC; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: RE: Companies offering to help with infrastructure

We will discuss with Shanon and get back to you.

From: MSP-seoclgc
Sent: Wednesday, January 20, 2016 10:44 AM
To: JICManager
Cc: MSP-EOC-MDHS; Hunter, Janet (DHHS); Holmes, Virginia (DHHS); MSP-SEOCOPSC; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: RE: Companies offering to help with infrastructure

I just spoke with Capt. We need to separate the donations information from the business contracted services on any email account. I would suggest that DHHS would then monitor the donations account and the other account would be setup with an autoreply → we will review the information and contact them only if we have assessed the need for their services. We can then periodically review and retain this information in this account as a reference for possible contract use if needed.

Any feedback on this?
Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: JICManager
Sent: Wednesday, January 20, 2016 9:59 AM
To: Stoken, Laura (GOV); MSP-seoclgc
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: RE: Companies offering to help with infrastructure

MSP is working on potentially creating an email account to route those types of offers/recommendations to, which we could then include in releases and the website.

From: Stoken, Laura (GOV)
Sent: Wednesday, January 20, 2016 9:57 AM
To: MSP-seoclgc; JICManager
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: Companies offering to help with infrastructure

Hi Team,

Do you have a place you want us to forward companies offering their product to help with the flint situation. We have been getting an influx of offers on filter systems, construction companies.....

Or maybe we could add a tab at http://www.helpforflint.com/ ?

Please advise:

Thank you,

Laura Stoken
Manager, Constituent Relations
Executive Office of the Governor, Rick Snyder
517.335.7858

MSP-EOC-MDTMB

From: MSP-seoclgc
Sent: Wednesday, January 20, 2016 10:45 AM
To: JICManager
Cc: MSP-EOC-MDHS; Hunter, Janet (DHHS); Holmes, Virginia (DHHS); MSP-SEOCOPSC; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: RE: Companies offering to help with infrastructure

I just spoke with Capt. We need to separate the donations information from the business contracted services on any email account. I would suggest that DHHS would then monitor the donations account and the other account would be setup with an autoreply → we will review the information and contact them only if we have assessed the need for their services. We can then periodically review and retain this information in this account as a reference for possible contract use if needed.

Any feedback on this?
Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

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Sent: Wednesday, January 20, 2016 9:59 AM
To: Stoken, Laura (GOV); MSP-seoclgc
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: RE: Companies offering to help with infrastructure

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From: Stoken, Laura (GOV)
Sent: Wednesday, January 20, 2016 9:57 AM
To: MSP-seoclgc; JICManager
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: Companies offering to help with infrastructure

Hi Team,

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Or maybe we could add a tab at http://www.helpforflint.com/ ?

Please advise:

Thank you,

Laura Stoken
Manager, Constituent Relations
Executive Office of the Governor, Rick Snyder
517.335.7858

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MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 20, 2016 9:54 AM
To: Christensen, Chris (DTMB); McKee, Ryan (DTMB)
Cc: MSP-EOC-MDTMB
Subject: Morning Update

- DEQ has additional bottles arring today for testing kits that ARC volunteers will assemble
- DHHS is reporting there are not any Brita filters available at this point, PUR only
- National Guard has 10 teams with 10 personnel water response teams today and will bring in an additional 8 teams on Thursday
- Red Cross has 8 water response teams today
- DTMB has 6 drivers with trucks assisting in distribution of supplies to distribution sites

DTMB resource requests currently assisting with:

- Warehouse space close by State Laboratory for DEQ to house testing kits that may be needed due to ligation
- FEMA work space within the Flint State Office Building

Jeanette

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 20, 2016 9:00 AM
To: Bailey, Maureen (DTMB)
Cc: Doxie, William (DTMB); MSP-EOC-MDTMB
Subject: Leased

Hi Maureen –

This email is in response to the voicemail I left on your desk phone this morning.
DEQ is requesting the following:

Temperature controlled warehouse space near 3350 N. MLK (State Lab)
1500 square feet (estimate or slightly larger)
Space will need to allow for double stacking of pallets
Duration – at least a year, samples will need to be held due to litigation

Let me know if you need additional information.

Thanks for your help!

Jeanette
Cell

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Dehner, Amy (MSP)
Sent: Wednesday, January 20, 2016 6:49 AM
To: Twohig, Lauren
Cc: MSP-EOC-MDARD; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: Re: For Action: WRT 1.20.16

Just clarifying as we had discussed this during our conference call yesterday, we are putting out 10 teams, not 9.

Sent from my iPhone

On Jan 20, 2016, at 2:11 AM, Twohig, Lauren <Lauren.Twohig@redcross.org> wrote:

> Good Morning,
>
> Attached is the updated WRT plan for today. I've highlighted changes in red.
>
> Please let me know if there are any questions.
>
> Thank you
> Lauren
>
> **Attachments**

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Wednesday 01 20 16_V2.0_FINAL

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobile | lauren.twohig@redcross.org

<Flint Water Response Team Plan for Wednesday 01 20 16_FINAL.pdf>

MSP-EOC-MDTMB

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Wednesday, January 20, 2016 2:12 AM
To: MSP-EOC-MDARD; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: For Action: WRT 1.20.16
Attachments: Flint Water Response Team Plan for Wednesday 01 20 16_FINAL.pdf

Good Morning,

Attached is the updated WRT plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Wednesday 01 20 16_V2.0_FINAL

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobile | lauren.twohig@redcross.org

MSP-EOC-MDTMB

From: Nina_Cole@vwr.com
Sent: Tuesday, January 19, 2016 9:14 PM
To: Shane, Kirby (DEQ)
Cc: Adelman, Mitch (DEQ); Krisztian, George (DEQ); MSP-EOC-MDTMB; Pieper, Julia (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); MSP-EOC-MDEQ; Premoe, Tara (DEQ); Johnson, Dora (DEQ); Sambiagio, Melissa (DTMB); Andy_Garrison@vwr.com; Lewis_McMillan@VWR.COM
Subject: Re: HDPE Bottle update

Hi Kirby,

Thank you for the reminder. This was understood and confirmed as a note on the order but I will reiterate tomorrow with the C&G rep again as we are now expecting a possible second lot.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

Please excuse any typing errors this is sent from my iPhone.

On Jan 19, 2016, at 8:17 PM, Shane, Kirby (DEQ) <SHANEK@michigan.gov> wrote:

> Thank you Nina! One comment to add, that any new Lot numbers of cases will have one case shipped to the Lab for lot testing.
>
> Kirby

From: Nina_Cole@vwr.com <Nina_Cole@vwr.com>
Sent: Tuesday, January 19, 2016 4:34 PM
To: Adelman, Mitch (DEQ); Krisztian, George (DEQ); MSP-EOC-MDTMB; Pieper, Julia (DEQ); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); MSP-EOC-MDEQ; Premoe, Tara (DEQ); Johnson, Dora (DEQ); Sambiagio, Melissa (DTMB)

Cc: Andy_Garrison@vwr.com; Lewis_McMillan@VWR.COM
Subject: HDPE Bottle update

Hello everyone,

Thank you for all of the calls yesterday and today. I would like to update everyone on the status of the VWR order, order number 8018384025 for 150 cases of 71001-158. We have C&G container shipping 42 cases tonight. One case will be going to Kirby at the Lansing lab and 41 cases are to arrive in Flint. When shipments have tracking information we will be able to send the tracking information to all of you.

For the Friday shipment, C&G will now only be able to allot 50 cases to the shipment. I have called and alerted Kirby and the Emergency Management team about this development. They have assured me that this will work fine.

Next week our C&G rep will update us as soon as we know the remaining 58 cases will be shipping. I will continue to update everyone if there are any changes. I will also be sending the tracking information to everyone on this email chain when I receive it.

Please let me know if there is anyone else that needs to be added to this email chain for updates about this bottle order.

If MDEQ can forecast how many more bottles that will be needed in the future we will be able to avoid the rush shipment charges. C&G has waived a 25% fee that usually accompanies the rush order's assembly for this shipment but I do not think they will waive the 25% rush assembly fee for any future orders.

Please let me know if you have any questions.

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Tuesday, January 19, 2016 7:40 PM
To: MSP-EOC-MDTMB
Subject: RE: Doc
Attachments: DTMB Resources & Expenses.xlsx

For your records.

From: MSP-EOC-MDTMB
Sent: Tuesday, January 19, 2016 5:28 PM
To: MSP-EOC-MDTMB
Subject: Doc

MSP-EOC-MDTMB

From: Shane, Kirby (DEQ)
Sent: Tuesday, January 19, 2016 6:46 PM
To: Nina_Cole@vwr.com; Adelman, Mitch (DEQ); Krisztian, George (DEQ); MSP-EOC-MDTMB; Pieper, Julia (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); MSP-EOC-MDEQ; Premoe, Tara (DEQ); Johnson, Dora (DEQ); Sambiagio, Melissa (DTMB)
Cc: Andy_Garrison@vwr.com; Lewis_McMillan@VWR.COM
Subject: Re: HDPE Bottle update

Thank you Nina! One comment to add, that any new Lot numbers of cases will have one case shipped to the Lab for lot testing.

Kirby

From: Nina_Cole@vwr.com <Nina_Cole@vwr.com>
Sent: Tuesday, January 19, 2016 4:34 PM
To: Adelman, Mitch (DEQ); Krisztian, George (DEQ); MSP-EOC-MDTMB; Pieper, Julia (DEQ); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR); MSP-EOC-MDEQ; Premoe, Tara (DEQ); Johnson, Dora (DEQ); Sambiagio, Melissa (DTMB)
Cc: Andy_Garrison@vwr.com; Lewis_McMillan@VWR.COM
Subject: HDPE Bottle update

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Nina

Nina Cole

Sales Representative
VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell (
Fax (610) 728-2517
http://www.vwr.com

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MSP-EOC-MDTMB

From: Nina_Cole@vwr.com
Sent: Tuesday, January 19, 2016 5:30 PM
Cc: Adelman, Mitch (DEQ); Andy_Garrison@vwr.com; Johnson, Dora (DEQ); Krisztian, George (DEQ); Lewis_McMillan@VWR.COM; MSP-EOC-MDEQ; MSP-EOC-MDTMB; Pieper, Julia (DEQ); Premoe, Tara (DEQ); Sambiagio, Melissa (DTMB); Shane, Kirby (DEQ); Smith, Carol (DEQ); Wolf, Jennifer (DNR)
Subject: Re: HDPE Bottle update Tracking included

Hello Everyone,

Please see below for the tracking information for the shipments that will arrive tomorrow.

The 41 cases going to Flint, MI are being shipped UPS Freight, tracking # 319315780
1 case going to Lansing, MI UPS Ground, tracking # 1Z91AE800371241770

Best,

Nina

Nina Cole
Sales Representative
VWR International/Michigan
Education and Medical Research
nina cole@vwr.com
Cell
Fax (610) 728-2517
http://www.vwr.com

From: Nina Cole/VWRI
To: "Adelman, Mitch (DEQ)" <ADELMANM@michigan.gov>, "Krisztian, George (DEQ)" <krisztiang@michigan.gov>, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan gov>, "Pieper, Julia (DEQ)" <PIEPERJ2@michigan gov>, "Shane, Kirby (DEQ)" <SHANEK@michigan.gov>, "Smith, Carol (DEQ)" <SMITHC@michigan.gov>, "Wolf, Jennifer (DNR)" <WOLFJ1@michigan gov>, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan gov>, "Premoe, Tara (DEQ)" <PremoeT@michigan gov>, JOHNSOND7@michigan gov, SambiagioM@michigan.gov,
Cc: Andy Garrison/VWRI@VWRI, Lewis McMillan/VWRI@VWRI
Date: 01/19/2016 04.34 PM
Subject: HDPE Bottle update

Hello everyone,

Thank you for all of the calls yesterday and today. I would like to update everyone on the status of the VWR order, order number 8018384025 for 150 cases of 71001-158. We have C&G container shipping 42 cases tonight. One case will be going to Kirby at the Lansing lab and 41 cases are to arrive in Flint. When shipments have tracking information we will be able to send the tracking information to all of you.

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VWR International/Michigan
Education and Medical Research
nina_cole@vwr.com
Cell
Fax (616) 728-2517
http://www.vwr.com

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Tuesday, January 19, 2016 5:28 PM
To: MSP-EOC-MDTMB
Subject: Doc
Attachments: Contact List.xlsx

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MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 19, 2016 5:25 PM
To: Cook, Rebecca (DTMB); Christensen, Chris (DTMB)
Cc: Rigg, Steve (DTMB); MSP-EOC-MDTMB; Sambiagio, Melissa (DTMB); Premoe, Tara (DEQ)
Subject: RE: FEMA - Genesee County

Rebecca – responses below.

Jeanette

From: Cook, Rebecca (DTMB)
Sent: Tuesday, January 19, 2016 5:13 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>; Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Rigg, Steve (DTMB) <RiggS@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>; Sambiagio, Melissa (DTMB) <SambiagioM@michigan.gov>; Premoe, Tara (DEQ) <PremoeT@michigan.gov>
Subject: RE: FEMA - Genesee County

Jeanette

Do you know if they are maintaining the same make/model for the water filters, replacement cartridges, and water testing kits? Yes

Should DEQ cancel pending orders for water testing materials? Do you need a briefing on pending orders for your FEMA contact? (Melissa and Tara can provide.) I forwarded an email from Tara Premoe, please review.
Thank you.

Rebecca

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 19, 2016 4:13 PM
To: Cook, Rebecca (DTMB) <CookR6@michigan.gov>; Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Rigg, Steve (DTMB) <RiggS@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: RE: FEMA - Genesee County

Rebecca –

I had a chance to sit down with the FEMA Logistics Chief and was able to obtain some information. Right now, FEMA is in the transition of taking over the purchasing of water, filters, cartridges and water testing kits. However, they stated this is just for the next few months and then it will transition back to the state. They will work with the state before walking away, but said to definitely maintain awareness of what product is available (water, filters, cartridges, bottles).

Great questions!

Jeanette

From: Cook, Rebecca (DTMB)
Sent: Tuesday, January 19, 2016 12:12 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>; Rigg, Steve (DTMB) <RiggS@michigan.gov>
Subject: FEMA - Genesee County

Chris

I have a few questions about FEMA's involvement:

- Is there a time frame as to how long they are providing bottled water? If needed, should State be prepared to take back over in several months for example? Yes – although FEMA will provide contract information along with transferring contract over to the state
- Are you the contact providing FEMA usage estimates for bottled water? MSP, Red Cross, DHHS and FEMA are determining this
- Will FEMA be stepping in for other items like water filters and replacement cartridges? (If so, see above questions. Steve and Home Depot will have a few more.) Yes
- What about collection bottles for water testing? FEMA

Steve was going to reach out to Jeanette on some of this. Apologies for any duplication but Jeff Brownlee asked me to send you a note.

Please let me know if you have questions.

Thank you.
Rebecca Cook
DTMB Procurement
Commodities Division Director
517-284-7008
Cell

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: noreply@uhaul.com
Sent: Monday, January 25, 2016 6:39 AM
To: Doll, Jeanette (DTMB)
Subject: U-Haul Contract 81617791
Attachments: Receipt_81617791_1.gif

Dear Thomas Zak,

Thank you for choosing U-Haul Company for your moving and storage needs. Your receipt is attached to this email.

Your opinion matters to U-Haul. Let us know how your moving experience went by reviewing your recent rental at uhaul.com/review. Your feedback, good or bad, on the service you received throughout the rental process will help us improve the moving experience for the next family.

If you have any questions or concerns about your moving experience or the attached receipt, please contact me at 752021_GM@uhaul.com

- I agree that all *legal* claims must be submitted in accordance with the U-Haul Arbitration Agreement, incorporated by reference, and available at uhaul.com/arbitration or from any local U-Haul representative.

MSP-EOC-MDTMB

From: noreply@uhaul.com
Sent: Monday, January 25, 2016 6:37 AM
To: Doll, Jeanette (DTMB)
Subject: U-Haul Contract 81617859
Attachments: Receipt_81617859_1.gif

Dear William Lanning,

Thank you for choosing U-Haul Company for your moving and storage needs. Your receipt is attached to this email.

Your opinion matters to U-Haul. Let us know how your moving experience went by reviewing your recent rental at uhaul.com/review. Your feedback, good or bad, on the service you received throughout the rental process will help us improve the moving experience for the next family.

If you have any questions or concerns about your moving experience or the attached receipt, please contact me at 752021_GM@uhaul.com

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MSP-EOC-MDTMB

From: noreply@uhaul.com
Sent: Sunday, January 24, 2016 5:02 PM
To: Doll, Jeanette (DTMB)
Subject: U-Haul Contract 81617681
Attachments: Receipt_81617681_1.gif

Dear George Lieber,

Thank you for choosing U-Haul Company for your moving and storage needs. Your receipt is attached to this email.

Your opinion matters to U-Haul. Let us know how your moving experience went by reviewing your recent rental at uhaul.com/review. Your feedback, good or bad, on the service you received throughout the rental process will help us improve the moving experience for the next family.

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MSP-EOC-MDTMB

From: noreply@uhaul.com
Sent: Sunday, January 24, 2016 5:00 PM
To: Doll, Jeanette (DTMB)
Subject: U-Haul Contract 81617921
Attachments: Receipt_81617921_1.gif

Dear David Bennett,

Thank you for choosing U-Haul Company for your moving and storage needs. Your receipt is attached to this email.

Your opinion matters to U-Haul. Let us know how your moving experience went by reviewing your recent rental at uhaul.com/review. Your feedback, good or bad, on the service you received throughout the rental process will help us improve the moving experience for the next family.

If you have any questions or concerns about your moving experience or the attached receipt, please contact me at 752021_GM@uhaul.com

- I agree that all *legal* claims must be submitted in accordance with the U-Haul Arbitration Agreement, incorporated by reference, and available at uhaul.com/arbitration or from any local U-Haul representative.

Job #	Description	Quantity		Cost	
110661	Palm Card- English	75000	$	12,627.13	
110675	Palm Card- Spanish	15000	$	4,834.61	
110727	Testing Form	20000	$	1,857.00	
110959	Testing Form	25000	$	2,312.00	
111035	Palm Card- English	35300	$	8,127.39	
111126	Testing Form	25000	$	2,312.00	
111231	Testing Form- Spanish	30000	$	2,767.00	Not printed yet
	Palm Card- Arabic	1000	$	247.17	

FLINT WATER RESPONSE TEAM

FLINT 水状况受理小组

Visit our comprehensive website at www.michigan.gov/flintwater

请访问我们的综合性网站：www.michigan.gov/flintwater

WATER RESOURCE CENTERS 水资源中心

•Free Bottled Water • Free Water Filters • Free Testing Kits•

•免费瓶装水•免费滤水器• 免费检测试剂盒•

Fire Station #1
消防站＃1
310 East 5th St.
Flint, MI 48502

Fire Station #3
消防站#3
1525 Martin Luther King Ave.
Flint, MI 48503

Fire Station #5
消防站#5
3402 Western Rd.
Flint, MI 48506

Fire Station #6
消防站#6
716 West Pierson Rd.
Flint, MI 48505

Fire Station #8
消防站#8
202 East Atherton Rd.
Flint, MI 48507

OPEN DAILY FROM 9 AM - 9 PM
开放时间为每天上午9点 - 晚上9点

•RESOURCES•
信息资源

MEDICAL,
医疗

For medical or testing information,
please contact
your primary care provider
or dial 211

医疗或测试信息，请联系您的家庭医生，或拨打211

FOR IMMEDIATE
ASSISTANCE
DIAL 211
(24/7/365)
救急援助请拨打211（24小时全年服务）

We're committed to a coordinated approach ***with resources from state agencies to address all aspects of this situation.***

If you don't find what you need here or by calling 211, please call my office at 517-335-7858. I will continue working to make this right.
~ Rick

我们承诺州政府各部门将采取统一协调的做法面对这种情况的所有方面。如果您在这里或拨打 211 没有得到你所需要的帮助，请直接拨打我的办公室 517-335-7858。我将继续努力直到问题解决。

FLINT WATER RESPONSE TEAM

FLINT 水状况受理小组

NUTRITION 营养

Did you know that some foods will keep lead from being stored in a child's body? These are foods with a lot of calcium, vitamin C and iron.

你知道吗，含有钙，维生素 C 和铁的食品。能帮助排泄孩子身体里的铅？

FREE WATER TESTING 免费水质检测

Flint residents who are concerned about their water can obtain free

water testing kits at the water resource sites.

Flint 居民如果你担心水的质量，你可以在各水资源站点免费获取水检测试剂盒。

USE WATER FILTERS & CARTRIDGES

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FOR IMMEDIATE ASSISTANCE

DIAL 211

(24/7/365)

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FLINT WATER RESPONSE TEAM
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信息资源 医疗

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FOR IMMEDIATE ASSISTANCE DIAL 211(24/7/365)
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FOR IMMEDIATE ASSISTANCE
DIAL 211
(24/7/365)

救急援助请拨打 211（24 小时全年服务）

MSP-EOC-MDTMB

From: Pratt, Jeff (DTMB)
Sent: Friday, January 22, 2016 6:17 PM
To: Christensen, Chris (DTMB)
Subject: Instagram Post

https://www.instagram.com/p/BA2w_3DQu8f/?taken-by=truthsec

Thanks,

Jeff

Jeff Pratt
Michigan Department of Technology, Management & Budget
Cybersecurity and Infrastructure Protection
Office of Infrastructure Protection
Cell:
Office: (517) 241-4391

Flint Water Response Team Plan for Monday, 01.25.16 FINAL

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
HH	Household
LEOC	Local Emergency Operations Center

Key Leaders

ARC OIC	Robert Gaskill-Clemons	

Plan

Agency	Team Types	Mission
ARC	10 Type V	1000 HH

Resource Status

ARC

Team Type & Quantity	Type: Type V Quantity: 10 (10 ERV)				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	10	10		1/25/16	8:00 am
ARC ERV	10	10		1/25/16	8:00 am
ARC ERV Driver	10	10		1/25/16	8:00 am
Team Member	2-4	2-4		1/25/16	8:00 am
Team Transport Vehicle for 2-4 Team Members	10	10		1/25/16	8:00 am
Team Transport Vehicle Driver	10	10		1/25/16	8:00 am
iPads	10	10		1/25/16	8:00 am
Hand Warmers	40	40		1/25/16	8:00 am
Distribution Kit	1000	1000		1/25/16	8:00 am

Execution:

Key Locations

Team	Assembly Area	Hours of Operation
LEOC	Genesee County Administration Building 1101 Beach St, Flint	0830-1600

ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Map Support

Maps will be provided daily to provide detailed information on city sections. Teams will target specific homes not originally reached during the first two rounds of canvassing.

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix.

Lunch

Lunches will be provided by the ARC.

Reporting:

Tactics:

1. All WRTs will utilize iPads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if iPads fail.

Contact	Phone	2nd phone
F/Lt. BJ Roach		
Bob Burns		
Bob Scherman		
Brent Thelen		
Brian Walts		
Caleb Buhs		
Christyn Herman		
Dane Hengesbach		
David Bates		
David Wilson		
Denice Ballard		
Jamie Philipo		
Jay Salmon		
Jeff Bailey		
Jim Clark		
Jim Ryan		
Jim Thomas		
John Lance		
John McQuaid		
John Patterson		
Kayla Knieper		
Keith Hawes		
Kevin Moe		
Mark Miller		
Matt Cain		
Maureen Bailey		
Mike Noonan		
Patrick Horgan		
Quay Chuang		
Roy Cischke		
Sam Putmon		
Sean		
Shelly Millimaki		
Steve McMahon		
Steve Rigg		
Tim Martin		
Tom Taylor		
Troy Bos		
Vicki Meyer		
William Doxie		
Brian Cardwell		
Melissa Sambiaggo		
Brad Stoddard		
Eddie Wright		
Craig Bidleman		
Jeff Pratt		
Chris Christensen		

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Ryan McKee
Rick Mohr
Linda Baker
Brad Mruzek
Cody Munro
Joey Davis
Mindy Hummel
Gary Porrett
Sean Scott-Fitzgerald
John Phelps
Steve Johnson
Brom Stibler
David Behan
Jeff Brownlee
Natalie Spaniolo

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Role

MSP District Coordinator
DTMB Real Estate
Landlord for warehouse space
M&D Driver
FOB DTMB Building Personnel
PIO
PIO
MB Finance
IT Needs
Phone setup/Data Lines

Leasing Availability
Phone setup/Data Lines

unemployement numbers
M&D Driver
VTS Driver
Access to MSP Network

Leasing Availability
Real Estate Division-Carpenter Crews

Print & Graphic Services Rep
DTMB Telecom
Leasing Availability
FOB DTMB Personnel
Phone setup/Data Lines
Transfer of toll free line
Vehicle & Travel Services Mgr
M&D Driver
M&D Driver
Mail and Delivery Mgr
Phone setup/Data Lines
Buyer for DHHS water filters
IT Finance
DTMB Carpenter
DTMB RED Leasing Availability
DTMB Field Services
DTMB RED Leasing Availability
M&D Driver
Buyer for DEQ water bottles

FOB Building Personnel
DTMB OIP
DTMB OIP
DTMB OIP

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DTMB OIP
IT Service Technician
Smart Device Support

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Wireless Coordinator
Owner of 4315 Clio Road warehouse
Red Cross warehouse manager
Red Cross warehouse manager
FEMA DHHS Logistics

Finance/P-card

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DTMB Bureau of Labor Market Information and Strategic Initiative

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provided available sites in city to hold water

Called to obtain index, left messge 1/7

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Building Security
ID's/Access Cards, Parking, Building Security

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iPhone/iPad setup

Ordering of iPads and iPhones

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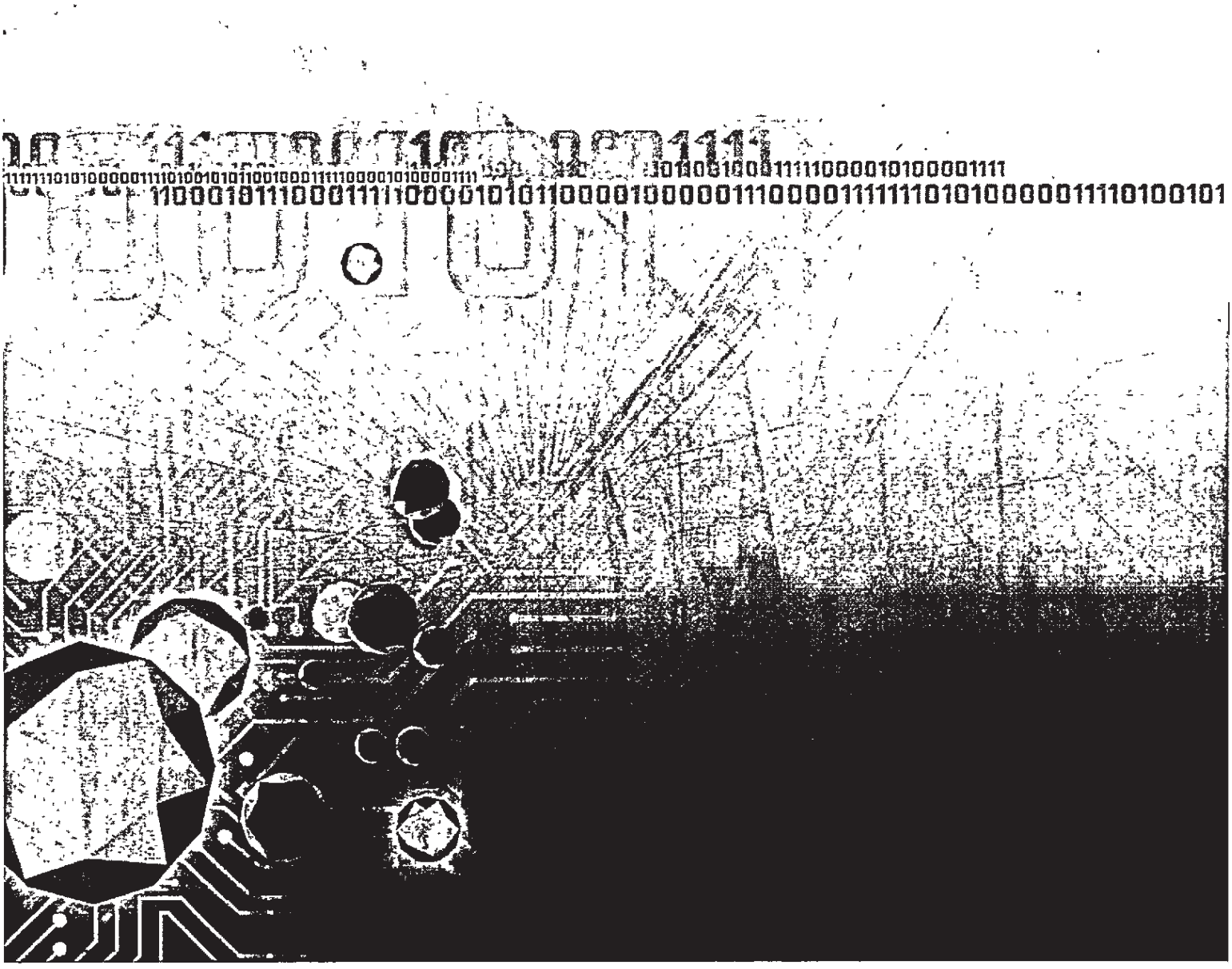
DeepSight™
INTELLIGENCE

Anonymous Relaunches #OpFlint against the Government of Michigan and City of Flint

MANAGED ADVERSARY AND THREAT INTELLIGENCE

DEEPSIGHT™ INTELLIGENCE, INTELLIGENCE SUMMARY, SYMC – 300383,
PUBLISHED 22 JANUARY 2016, V.1



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Information Cut-Off Date: 22 January 2016

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ANONYMOUS LAUNCHES #OPFLINT AGAINST THE GOVERNMENT OF MICHIGAN AND CITY OF FLINT

DeepSight™ Intelligence, Intelligence Summary, SYMC-300383, published 22 January 2016, V.1

KEY FINDINGS

- On 16 January 2016, Anonymous relaunched #OpFlint in response to the recent health crisis surrounding contaminated water in Flint, Michigan.
- The operation targets officials that the Anonymous group recognizes as having ignored the water crisis, such as Gov. Rick Snyder and Flint city personnel.
- The operation activities have included distributed denial-of-service (DDoS) attacks and doxing.

EXECUTIVE SUMMARY

Members of the international Anonymous hacktivist collective have relaunched #OpFlint to target those entities that the operation perceives as responsible for the contaminated water crisis in Flint, Michigan. Originally organized in 2015, #OpFlint was relaunched on 16 January 2016 and is ongoing against city officials and the governor of Michigan, Rick Snyder. Several hacking groups are supporting the malicious activities, which include DDoS attacks and doxing. The first DDoS attacks on 16 January took the Michigan.gov and cityofflint.com websites temporarily offline. DeepSight Intelligence judges #OpFlint will not shut down the state or city's infrastructure; however, access to the Michigan government and city websites will likely be disrupted.

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DETAILS

The Anonymous collective's operation #OpFlint originally launched in 2015 but never gained momentum. #OpFlint was relaunched on 16 January 2016 to draw attention to the toxicity levels of the contaminated water supply in the city of Flint, Michigan.

Leaders of the current effort include the US-based New World Hacking group[1] and the Anonymous Intelligence Group (a.k.a. Anon Intel Group). The New World Hacking group launched the recent #OpFlint activity on 16 and 17 January 2016 with DDoS attacks that shut down the Michigan.gov and cityofflint.com websites (see Figure 1). The operation has an official video on Youtube (hxxps://www.youtube.com/watch?v=zXQfsURnE0w) and on several Anonymous-affiliated websites.

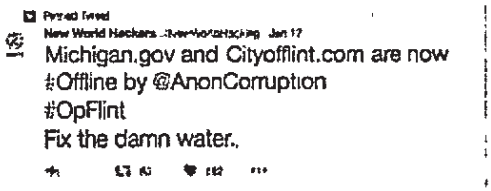

Figure 1. New World Hacking Twitter post publicizing the DDoS attacks against Michigan.gov and cityofflint.com

On 20 January 2016, the Anon Intel Group's website contained a link to a "doxing" for Michigan Gov. Snyder (https://ghostbin.com/paste/zn236, see Figure 2). The dox did not include social security numbers, but rather revealed his mailing address, social media accounts, and phone numbers, and information for his family relatives that is easily obtained through several Google searches.

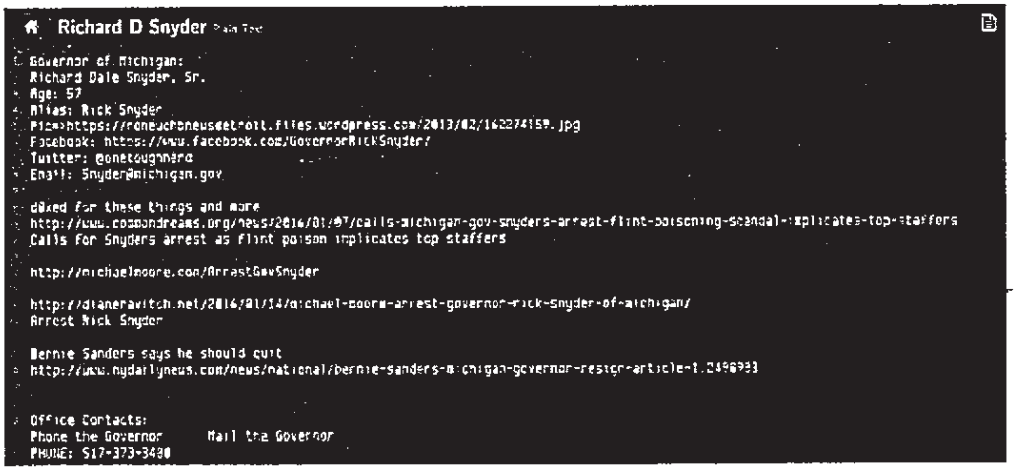

Figure 2. Dox posted on Anon Intel Group website on 20 January 2016

[1] See the DeepSight Intelligence report *Profile: New World Hacking (NWH),* (SYMC – 300376), 9 June 2016. New World Hacking uses their own stressor service, BangStressor, to conduct DDoS attacks including an attack against the BBC in early 2016.

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On 21 January 2016, Hurley Medical Center in Flint, Michigan, confirmed it was the victim of a "cyber attack" but patient information was not compromised. According to a Twitter post by Anon Intel Group on 22 January 2016, Anonymous denies responsibility for the attack against the hospital (see Figure 3).

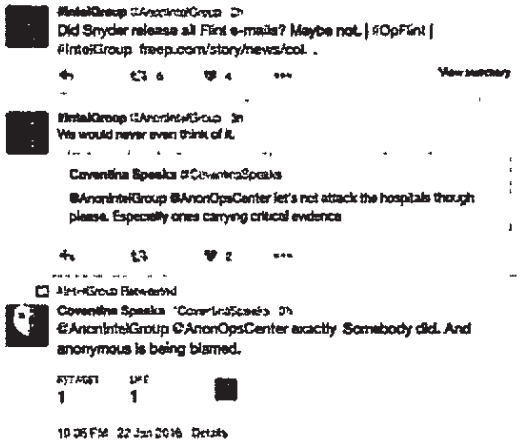

Figure 3. Twitter post discussions denying Anonymous activity against a hospital in Flint Michigan

OUTLOOK

As of 22 January 2016, recent #OpFlint activity has involved posting news clips on social media accounts, such as Twitter and Facebook. The group has not mentioned further DDoS attacks, although DeepSight Intelligence expects some sites to be targeted on the first weekend of the relaunch (i.e., between 22 January and 24 January 2016). Although #OpFlint relaunched on 16 January 2016, DeepSight Intelligence expects the activity to quickly diminish if it does not gain greater media recognition—Anonymous is motivated by publicity. There are no indications the operation is well organized and the Youtube video announcing the operation only mentions targeting the Governor of Michigan and the city of Flint; there are no details on how the operation will be conducted. Although #OpFlint will not shut down the state or city's infrastructure, access to government and city websites might occasionally be disrupted.

TECHNICAL DETAILS

Online Presence for Anon Intel Group

- Twitter – @AnonIntelGroup
- Facebook – https://www.facebook.com/IntelGroup-1670381036582536/
- Instagram – @intelgroup
- YouTube Channel – http://youtube.com/anonintelgroup1/jdObxnc5BTIOgHM_9W93ew

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Anon Intel Group	IntelGroup-1670381036582536		@AnonIntelGroup			

TARGET INDUSTRIES

NAICS Code	Name
92	Public Administration

SOURCE REGIONS

Region	Americas
Subregion	North America
Countries	United States

TARGET REGIONS

Region	Americas
Subregion	North America
Countries	United States

THREAT DOMAINS

Hacktivism

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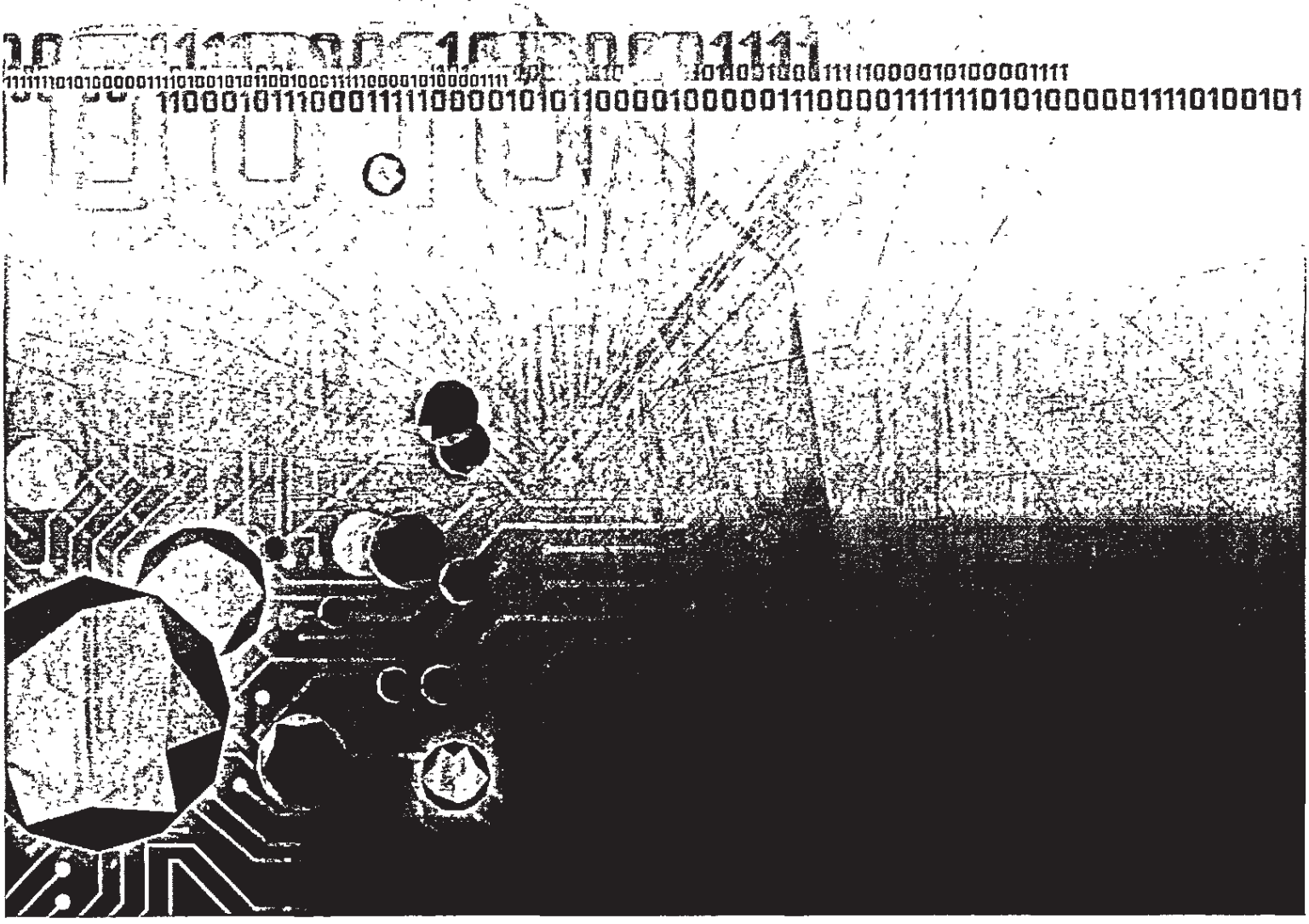

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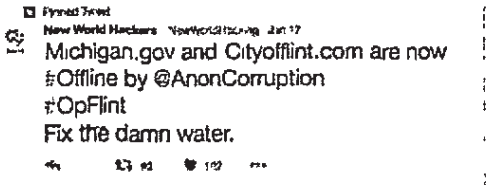

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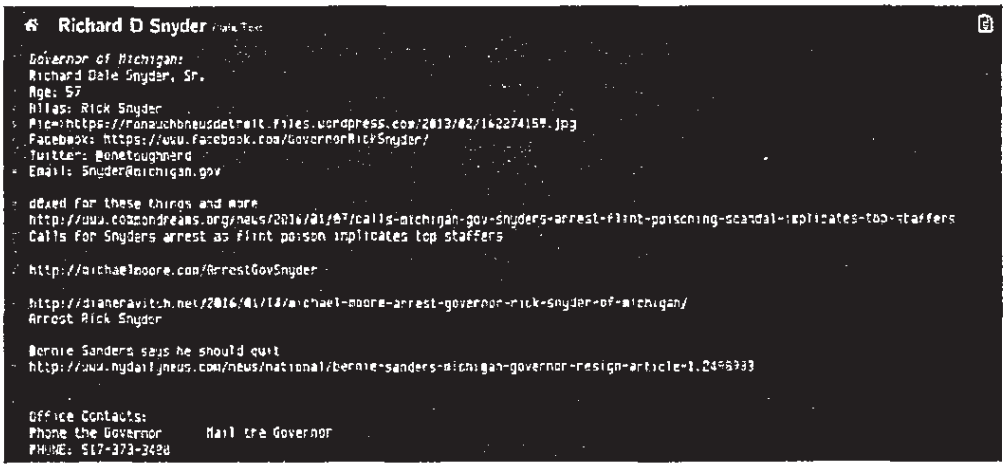

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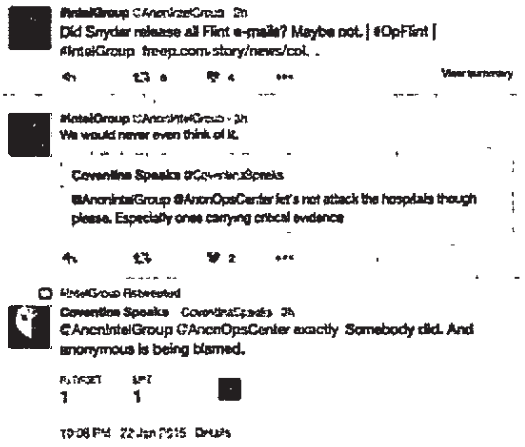

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TARGET INDUSTRIES

NAICS Code	Name
92	Public Administration

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Region	Americas
Subregion	North America
Countries	United States

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Subregion	North America
Countries	United States

THREAT DOMAINS

Hacktivism

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MSP-EOC-MDTMB

From: Pratt, Jeff (DTMB)
Sent: Friday, January 22, 2016 6:17 PM
To: Christensen, Chris (DTMB)
Subject: Instagram Post

https://www.instagram.com/p/BA2w_3DQu8f/?taken-by=truthsec

Thanks,

Jeff

Jeff Pratt
Michigan Department of Technology, Management & Budget
Cybersecurity and Infrastructure Protection
Office of Infrastructure Protection
Cell:
Office: (517) 241-4391

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Friday, January 22, 2016 7:29 PM
To: MSP-EOC-MDTMB
Subject: FW: Niagara Water Sept. Recall
Attachments: Niagara Water Safe_Final 6-22-15.pdf; ATT00001.htm

---

From: DAVID_KHANUJA@homedepot.com [mailto:DAVID_KHANUJA@homedepot.com]
Sent: Friday, January 22, 2016 7:25 PM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Fwd: Niagara Water Sept. Recall

Please see below, good to go!

David Khanuja
Pro Account Representative
The Home Depot - Midwest Region
Cell
David_khanuja@homedepot.com

From: Michael Wright [mailto:mwright@niagarawater.com]
Sent: Friday, January 22, 2016 7:18 PM
To: Hamilton, Delante; NAPPI, SCOTT; David Paskert
Subject: RE: Niagara Water Sept. Recall

Delante,

Below is the statement I was given from our Legal Dept. Please let me know if it will suffice.

I have also attached a document we gave to customers that were affected immediately after the recall happened. That being said, Home Depot was not affected as you buy purified drinking water, not spring.

"Niagara bottled water being sold and distributed in Flint, MI and throughout the country is safe to drink. Niagara issued a voluntary recall of spring water produced at our two (2) Pennsylvania plants from **June 10-18th, 2015**. As of **September 7, 2015** Niagara found no contamination of any kind in their finished products or in the spring water that was delivered to their bottling

facility. For additional information, please visit http://www.niagarawater.com/consumer-notice/ or contact Niagara's Consumer Affairs Department at (888) 943-4894."

Thank you,

Michael Wright l Sales Development Manager l **Niagara Bottling** l 2560 E. Philadelphia St l Ontario, CA 91761 USA l Direct 909-230-6539 | Mobile | mwright@niagarawater.com

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From: "McKee, Ryan (DTMB)" <mckeer1@michigan.gov>
Date: January 22, 2016 at 6:08:58 PM EST
To: "DAVID_KHANUJA@homedepot.com" <DAVID_KHANUJA@homedepot.com>
Subject: FW: Niagara Water Sept. Recall

FYI. Looks like it's an update to the report from June.

Just for further clarification, do you think you could send our lot numbers?

Thank you,

Ryan McKee

DTMB Cybersecurity & Infrastructure Protection

Office of Infrastructure Protection

p: (517) 241-3356

e: mckeer1@michigan.gov

From: Davis, Kristi (MSP)
Sent: Friday, January 22, 2016 6:07 PM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Fwd: Niagara Water Sept. Recall

Sent from my iPhone

Begin forwarded message:

> **From:** MSP-SEOCOPSC <MSP-SEOCOPSC@michigan.gov>
> **Date:** January 22, 2016 at 5:46:24 PM EST
> **To:** "Davis, Kristi (MSP)" <DavisK10@michigan.gov>
> **Subject: FW: Niagara Water Sept. Recall**
>
> ?

From: *Minicuci, Angela (DHHS)*
Sent: Friday, January 22, 2016 4:17 PM
To: MSP-SEOCOPSC; MSP-EOC-MDCH
Cc: Brown, Melanie (DEQ)
Subject: Niagara Water Sept. Recall

Good afternoon,

We just found out about a recall by Niagara water in Sept. 2015. Is there a way we can check the Niagara water that we're giving out to ensure it's not from these lots: http://www.niagarawater.com/consumer-notice/

Thank you,

Angela Minicuci

Office of External Relations and Communications

Michigan Department of Health and Human Services

Office: (517) 241-2112
Mobile
minicucia@michigan.gov
www.michigan.gov/mdhhs

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EST.1963
niagara
BOTTLING, LLC

NIAGARA WATER IS SAFE

HERE'S WHY

Last week, we issued a voluntary recall of spring water produced at our two (2) Pennsylvania plants from June 10-18th, 2015 because the operator at one of our contracted springs failed to notify us that there was evidence of *E. coli* bacteria at his source.

Because there has been a great deal of misinformation reported and circulated over the last 24 hours, we felt it was necessary to issue this clarifying statement.

Niagara Bottling performs extensive testing on both incoming spring water as well as finished products. We have confirmed there have been no issues or *E. coli* contamination of any kind detected in our finished products or in the spring water that was delivered to our bottling facility.

Even if it had been present in the incoming spring water, we utilize quality systems and disinfection technology that would ensure that our product is free from contamination. Despite this, once we were informed of the potential presence of *E. coli* at the spring source, we immediately shut down our operations, disinfected our bottling lines and initiated a voluntary recall in an abundance of caution and in the interests of consumer safety.

This recall only relates to spring water produced in our Pennsylvania manufacturing facilities from June 10-18th, 2015. It does not relate to any purified water or any spring water produced outside of Pennsylvania or outside the June 10-18th, 2015 timeframe.

To determine whether your product is part of this recall, please visit Niagarawater.com and click on "Consumer Notice" at the top of the home page. This will take you to the notice of the recall and a list of codes of the water produced during these 8 days. If you don't see your product on the list, it was completely unaffected by the recall and is completely safe to drink.

Niagara has been family-owned and family run for over 50 years. Nothing is more important to us than consumer safety, which is why we voluntarily issued this recall.

If you have any additional concerns, please contact our Consumer Affairs Department at (888) 943-4894.

Tel 909.230.5000 Fax 909.354.3475 | 2560 E. Philadelphia St. Ontario CA 91761 | www.niagarawater.com

Vendor
Bell Warehouse
Apple
Verizon Wireless
U-Haul
Survey Monkey for MSP
Republic Services
Grainger
Apple
DK Security

U-Haul
Staples
Grainger
Arwood Waste 810 515-7346
Verizon Wireless
Apple
Apple
Apple
Apple
Apple
Walmart #1928 4313 Corunna Rd
ABC Warehouse
Home Depot
Apple
Constitution Hall Guards
Grainger
Grainger
Grainger
DTMB Customer Service Center
DTMB Mail & Delivery
DTMB Mail & Delivery
DTMB Vehicle & Travel Services
DTMB
Verizon Wireless
Verizon Wireless

Total Spent

Item	Cost	Date
Warehouse rental agreement (Monthly fee with personnel costs)	$10,000.00	1/14/16
30 iPads, cases, stylis	$18,592.85	1/14/15
iPad cases, stylis	$837.24	1/14/16
Rental of 4 trucks 1/14 - 1/25/16 +$.79 mile $21 per truck per day	$1,008.00	1/14/16
One month access	$26.00	1/15/16
Dumpster Rental $300 each dump	$600.00	1/15/16
500 Rain Ponchos	$895.00	1/15/16
30 iPads, cases, stylis	$18,242.20	1/15/16
Armed security guard with vehicle overnight at Clio Road warehouse 1/17	$9,308.00	1/17/16
Additional security guard rover	$253.80	1/22/16
Additional guard at Flint State Office Building 1/13 25.38 per day	$1,256.31	1/13/16
5 - 15 foot trucks 1/17 - 1/25/16 $.79 per mile+$32 per day per truck	$1,440.00	1/17/16
Wireless Printer and Router for FEMA	$893.94	1/17/16
765 Handwarmers	$999.60	1/17/16
Porta Potty Rental $85 month (2)	$170.00	1/18/16
2 iPhones with cases and chargers	$121.94	1/18/16
1 iPad	$700.00	1/18/16
4 iPads	$2,176.00	1/18/16
8 iPads and 19 cases	$5,281.05	1/18/16
7 iPads and 12 cases	$5,151.40	1/18/16
11 iPads	$7,653.20	1/18/16
Water Filters-Walmart Foundation to reimburse purchase	$17,920.00	1/11/16
TV for JIC (Mike Noonan)	$747.00	1/13/16
13 rolls of shrink wrap & 10 box cutters	$305.28	1/20/16
iPads	$18,242.20	1/22/16
Additional Guards January 22 - February 12	$6,472.00	1/22/16
Vests	$960.00	1/21/16
Vests	$1,440.00	1/22/16
Power Strips	$61.92	1/22/16
Volunteer Credentialing Badges	$1,281.03	1/22/16
Drivers - Through 1/22	$22,000.00	1/22/16
DTMB Truck Use - Through 1/22	$4,800.00	1/22/16
(13) Passenger Vehicles - Through 1/22	-	1/22/16
Fuel - Through 1/22	$1,500.00	1/22/16
(30) iPads, Cases, Chargers & Stylis	$16,198.80	1/21/16
(30) iPads, Cases, Chargers & Stylis	$13,198.80	1/22/16
	$190,733.56	

GRAINGER

5617 ENTERPRISE DR
LANSING, MI 48911-4194
www grainger.com

INVOICE

GRAINGER ACCOUNT NUMBER	804939692
INVOICE NUMBER	9940626246
INVOICE DATE	01/15/2016
DUE DATE	02/29/2016
AMOUNT DUE	$329.36

PO NUMBER:	VERBAL
CALLER:	RYAN MCKEE
CUSTOMER PHONE:	5174045691
ORDER NUMBER:	1252747395
INCO TERMS:	FOB ORIGIN

SHIP TO

AMERICAN RED CROSS
1401 S GRAND TRAVERSE ST
FLINT MI 48503-3794

BILL TO
MDMB MICH DEPT BUDGET
PO BOX 30026
LANSING MI 48909-7526

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THANK YOU! FEI NUMBER 36-1150280
FOR QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL *1-800-472-4643*

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
	1EJY3	RAIN PONCHO W/HOOD,YLW,UNIVERSAL MANUFACTURER # 1EJY3 Delivery #:6312608637 Date Shipped: 01/15/2016 Carrier: UPS SATURDAY DEL-AIR No:of Pkgs.3 Wt: 119.600 Trk #:1Z6Y07A44439703292 1Z6Y07A44439704086 1Z6Y07A44439708644	184	1.79	329.36
				INVOICE SUB TOTAL	329.36

These items are sold for domestic consumption. If exported, purchaser assumes full responsibility for compliance with US export controls. Diversion contrary to US law prohibited.
Reprint

PAYMENT TERMS Net 45 days - PAY THIS INVOICE. NO STATEMENT SENT. PAYABLE IN U.S. DOLLARS. *AMOUNT DUE* ***$329.36***

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LANSING MI 48909-7526
UNITED STATES OF AMERICA

REMIT TO:
GRAINGER
DEPT. 804939502
PALATINE, IL 60038-0001

804939502994062624610000329361000000010000000100000016022998

X	ACCOUNT NUMBER	DATE	INVOICE NUMBER	AMOUNT DUE
	804939692	01/15/2016	9940626246	$329.36

FOR COMMENTS OR CHANGE OF ADDRESS, ENTER INFORMATION ON REVERSE SIDE

Flint Water Response Team Plan for Saturday & Sunday, 01.23-24.16_V2.0_FINAL

Changes are highlighted in red

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
OGCS	Office of Genesee County Sheriff
HH	Household
LEOC	Local Emergency Operations Center
NG	National Guard

Key Leaders

WRT OIC	Lt. Amy Dehner
ARC OIC	Robert Gaskill-Clemons

Plan

Agency	Team Types	Mission
MSP/OGCS/NG	15 Teams	3000 HH
ARC	40 Type V	7000 HH

MSP/OGCS/NG

Resource Status

Team Type & Quantity	Type: N/A Quantity: 18				
Resource	Minimum	Minimum Confirmed	Notes	Date	Time
Team Leader	15	15		1/22/16	1525
16ft -20ft box truck	15	15		1/22/16	1525
Truck Driver	0	0	Sourced from NG	1/22/16	1525
Team Member	180	180		1/22/16	1525
Team Transport Vehicle for 6-9 Team Members	15	15	12 from DOC & 3 from	1/22/16	1525

			Warehouse		
Team Transport Driver	15	15	12 DOC & 3 from NG	1/22/16	1525
Patrol Car	15	15		1/22/16	1525
iPads	30	30		1/22/16	1525
Hand Warmers	300	300		1/22/16	1525
Vests	0	0		1/22/16	1525
Distribution Kit	3000	3000		1/22/16	1525

ARC

Team Type & Quantity	**Type:** Type V **Quantity:** 40 (10 ERV & 30 Box)				
Resource	**Required**	**Minimum Confirmed**	**Notes**	**Date**	**Time**
Team Leader	40	40		1/22/16	1525
ARC ERV	10	10		1/22/16	1525
ARC ERV Driver	10	10		1/22/16	1525
16ft box truck	30	30		1/22/16	1525
Truck Driver	30	30	Sourced from ARC	1/22/16	1525
Team Member	150-300	150-300	Islamic Relief & Others	1/22/16	1525
Team Transport Vehicle for 2-4 Team Members	30	30	10 from warehouse & 20 from ARC	1/22/16	1525
Team Transport Vehicle Driver	30	30	Sourced from ARC	1/22/16	1525
Patrol Car	0	0		1/22/16	1525
iPads	40	10		1/22/16	1525
Hand Warmers	60	382		1/22/16	1525
Distribution Kit	7000	7000		1/22/16	1525

Execution:

Key Locations

Team	Assembly Area	Hours of Operation
OGCS/MSP	LEOC Genesee County Administration Building	0830-1600

	1101 Beach St, Flint	
ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Critical Task: Assemble, coordinate, and monitor WRTs

OGCS/MSP Process:

1. Assign team leaders, team members, and routes to teams
2. Team Member check in
3. Conduct pre-deployment briefing to include team mission assignments, concept of operations, deployment locations, replenishment process, reporting process, and safety briefings (refer to OGCS_MSP WRT Volunteer Assembly Information V2.0_011816 for detailed information on volunteer processing at LEOC)
5. Provide training to new team members
6. Issue vest and badge to team members
7. Execute morning distribution assignment
8. Lunch served between 1230-1330
9. WRT OIC and Team Leaders midday brief
10. Execute afternoon distribution assignment
11. Conduct post-deployment debrief with team leaders and members
12. Collect vest and badge from team members

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
GCSO/MSP	0 Distribution Kits Remaining	Distribution Route: exact location determined by Team Leader	1. Contact warehouse to request replenishment truck 2. Coordinate replenishment location with warehouse 3. Exchange replenishment truck with empty truck
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix

Lunch

OGCS/MSP WRTs lunches will be provided by the ARC and coordinated by LEOC Logistics.

Reporting:

Tactics:

1. All WRTs will utilize iPads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if iPads fail.

GRAINGER.

PAGE 1 OF 1

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LANSING, MI 48911-4194
www.grainger.com

INVOICE

GRAINGER ACCOUNT NUMBER	804939692
INVOICE NUMBER	9940626253
INVOICE DATE	01/15/2016
DUE DATE	02/29/2016
AMOUNT DUE	$118.14

SHIP TO

AMERICAN RED CROSS
1401 S GRAND TRAVERSE ST
FLINT MI 48503-3794

PO NUMBER:	VERBAL
CALLER:	RYAN MCKEE
CUSTOMER PHONE:	5174045691
ORDER NUMBER:	1252747395
INCO TERMS.	FOB ORIGIN

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LANSING MI 48909-7526

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THANK YOU! FEI NUMBER 36-1150280
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PO LINE#	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
	1EJY3	RAIN PONCHO W/HOOD,YLW,UNIVERSAL MANUFACTURER # 1EJY3 Delivery #:6312608638 Date Shipped: 01/15/2016 Carrier: UPS SATURDAY DEL-AIR No:of Pkgs' Wt: 42.900 Trk #:1Z3018W74420637670	66	1.79	118.14
				INVOICE SUB TOTAL	118.14

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PAYMENT TERMS Net 45 days - PAY THIS INVOICE. NO STATEMENT SENT. PAYABLE IN U.S. DOLLARS. *AMOUNT DUE* *$118.14*

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LANSING MI 48909-7526
UNITED STATES OF AMERICA

REMIT TO:
GRAINGER
DEPT. 804939502
PALATINE, IL 60038-0001

804939502994062625310000118141000000010000000100000016022913

X	ACCOUNT NUMBER	DATE	INVOICE NUMBER	AMOUNT DUE
	804939692	01/15/2016	9940626253	$118.14

FOR COMMENTS OR CHANGE OF ADDRESS, ENTER INFORMATION ON REVERSE SIDE

Confirmation of payment

W.W. Grainger Inc.:MDOT REPRODUCTION SERVICE

You have paid the invoices listed. We are debiting your credit card State Card with:
USD 895.00

To access the open invoices, click on *Back to Invoice List*.

Invoice Description	Document No.	Due On	Invoiced Amount	Open	Payment Amount
	9940626246	Feb 29, 2016	USD 329.36	USD 329.36	USD 329.36
	9940626253	Feb 29, 2016	USD 118.14	USD 118.14	USD 118.14
	9940626261	Feb 29, 2016	USD 447.50	USD 447.50	USD 447.50
				Grand Total	USD 895.00
				Credits	USD 0.00
				Total Net Payment Amount	USD 895.00

Back to Invoice List | Print

GRAINGER

5617 ENTERPRISE DR
LANSING, MI 48911-4194
www.grainger.com

INVOICE

GRAINGER ACCOUNT NUMBER	804939692
INVOICE NUMBER	9940626261
INVOICE DATE	01/15/2016
DUE DATE	02/29/2016
AMOUNT DUE	$447.50

SHIP TO

EOC LOGISTICS
1101 BEACH ST
FLINT MI 48502-1428

PO NUMBER:	VERBAL
CALLER:	RYAN MCKEE
CUSTOMER PHONE:	5174045691
ORDER NUMBER:	1252774043
INCO TERMS:	FOB ORIGIN

BILL TO
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PO LINE#	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
	1EJY3	RAIN PONCHO W/HOOD,YLW,UNIVERSAL MANUFACTURER # 1EJY3 Delivery #:6312608641 Date Shipped: 01/15/2016 Carrier: UPS SATURDAY DEL-AIR No:of Pkgs: Wt: 162.500 Trk #:1Z3018W74420644788 1Z3018W74420644822 1Z3018W74420644859	250	1.79	447.50

INVOICE SUB TOTAL 447.50

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DEPT. 804939502
PALATINE, IL 60038-0001

804939502994062626110000447501000000010000000100000016022 9H4

X	ACCOUNT NUMBER	DATE	INVOICE NUMBER	AMOUNT DUE
	804939692	01/15/2016	9940626261	$447.50

FOR COMMENTS OR CHANGE OF ADDRESS, ENTER INFORMATION ON REVERSE SIDE

FEMA IMAT B TEAM

Badging Information for Flint State Bldg

Name	DOB
Warren Riley	
Don Mobley	
Gus Wulfkuhle	
Jason Blum	
Caitlin Ostomel	
Pamy Roach	
Gabriel Garriga	
John Devine	
Brett Beardsley	
Anthony (Tony) Hart	
Dan Shulman	

Vendor	Item
Home Depot	Water Testing Supplies
Dell Warehouse	Warehouse site
Apple	30 iPads, cases, stylis
Verizon Wireless	iPad cases, stylis
U-Haul	Rental of 4 trucks 1/14 - 1/25/16 $234.65 +$.79 mile
Survey Monkey for MSP	One month access

Republic Services	Dumpster Rental
Grainger	500 Rain Ponchos
Apple	30 iPads, cases, stylis
DK Security	Armed security guard overnight at Clio Road warehouse
U-Haul	5 - 15 foot trucks 1/17 - 1/25/16 $123.8 +$.79 per mile
Staples	Wireless Printer and Router for FEMA
Grainger	765 Handwarmers
Arwood Waste 810 515-7346	Porta Potty Rental $85 month (2)
Verizon Wireless	2 iPhones with cases and chargers
Apple	1 iPad
Apple	4 iPads
Apple	8 iPads and 19 cases
Apple	7 iPads and 12 cases
Apple	11 iPads
Walmart #1928 4313 Corunna Rd	Water Filters-Walmart Foundation to reimburse purchase
ABC Warehouse	TV for JIC (Mike Noonan)
Home Depot	13 rolls of shrink wrap & 10 box cuttes

Total Spent

P-Card	Date	
		Waiting for invoice (LARA pilot water program)
	1/14/16	Rental agreement needed for detailed costs
$18,592.85	1/14/15	
$837.24	1/14/16	
P-Card	1/14/16	Confirmation #s: 81617681, 81617859, 81617791, 81617921
$26.00	1/15/16	
		$225-$300 per load removed - Emptied 1/18
		Randy
		4101 Holiday Drive, Flint 48507
P-Card	1/15/16	810-768-2228 o; 810-210-5663 c
$895.00	1/15/16	
$18,242.20	1/15/16	Waiting for invoice
P-Card	1/17/16	Confirmation #s 81754625, 81754594, 81754568, 81754538, 81754485
$893.94	1/17/16	
	1/17/16	
$170.00	1/18/16	
$121.94	1/18/16	Phone Numbers an
$700.00	1/18/16	
$2,176.00	1/18/16	
$5,281.05	1/18/16	
$5,151.40	1/18/16	
$7,653.20	1/18/16	
$17,920.00	1/11/16	
$747.00	1/13/16	
$305.28	1/20/16	

$79,713.10

Resource Request

EXT - 5016084

RETAIN THIS IMAGE
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RETAIN THIS IMAGE

EXT - 1813449

RETAIN THIS IMAGE
RETAIN THIS IMAGE
RETAIN THIS IMAGE

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SPECIAL SERVICES CUSTOMER INVOICE

 No. 2763-191714

Store 2763 MUNDY TOWNSHIP
1222 WEST HILL RD
FLINT, MI 48507

Phone: (810) 232-7113
Salesperson: ESA98H
Reviewer:

REPRINT

2016-01-20 18:49

SOLD TO

Name	PURCELL MATT	Home Phone	(517) 335-0002
Address	2727 LIPPINCOTT BLVD	Work Phone	
		Company Name	
City	FLINT	Job Description	STRETCH WRAP & UTILITY KNIVES
State	MI	Zip 48507	County GENESEE

CUSTOMER PICKUP #1

MERCHANDISE AND SERVICE SUMMARY

We reserve the right to limit the quantities of merchandise sold to customers

REF # W03 SKU # 0000-515-664 Customer Pickup / Will Call

STOCK MERCHANDISE TO BE PICKED UP:

REF #	SKU	QTY	UM	DESCRIPTION	PI	TAX	PRICE EACH	EXTENSION
R01	0000-723-009	13.00	EA	20"X1000' STRETCH WRAP /	A	N	$21.96	$285.48
R02	0000-377-784	10.00	EA	RETRACTABLE ZINC UTILITY KNIFE /	A	N	$1.98	$19.80

SCHEDULED PICKUP DATE: 01/20/2016

MERCHANDISE TOTAL: $305.28

END OF CUSTOMER PICKUP - REF #W03

TOTAL CHARGES OF ALL MERCHANDISE & SERVICES

Policy Id (PI):
A: 90 DAYS DEFAULT POLICY

'The Home Depot reserves the right to limit / deny returns. Please see the return policy sign in stores for details.'

ORDER TOTAL	$305.28
SALES TAX	$0.00
TOTAL	$305.28
BALANCE DUE	$0.00

END OF ORDER No. 2763-191714

NOT VALID FOR MERCHANDISE PICK-UP
DELIVERY OUT

WILL-CALL MERCHANDISE PICK-UP
Will-Call Items will be held in the store for 7 days only.

Check your current order status online at www.homedepot.com/orderstatus

FOR WILL CALL
MERCHANDISE PICK-UP
PROCEED TO WILL CALL OR
SERVICE DESK AREA
(Pro Customers, Proceed To The Pro Desk)

Customer Copy

Tracking #	Mission Name	Additional Info
SEOC - 6531502	Facility to Co-locate JIC (Flint State Office Building)	
EXT - 1274633	(2) DTMB Truck Drivers and Trucks	
SEOC - 6055416	Warehouse 100,000 sq feet	Rental agreement written
SEOC - 3884029	(5) Tablets needed for PODs iPads	
SEOC - 1545464	24/7 hr Access for DEQ Employee to DEQ laboratory	
SEOC - 3913802	(8) Box Trucks/Drivers - Monday-Friday 15 Foot	Rented 5 U-haul trucks; Penske donated 3 trucks
SEOC - 6978665	Reflective Vests - FWRT (200)	
SEOC - 9989971	(20) Trucks for Water Response Teams	Penske Donating (10) 1/18, (10) 1/19
SEOC - 8609709	Credential Badges (200)	
SEOC - 5835535	(31) iPads/Tablets for Water Response Team	
SEOC - 6226222	(2) Cell phones for MSCS staff handling DM	517-242-9806 & 517-420-4162
EXT - 8415329	Port-A-Potty Rental (2)	2 delivered for 30 days
SEOC - 3106646	Wireless Color Printer & Router for FEMA at Collins Road	
SEOC - 0717151	Security Guards for Court Street Warehouse	Until no longer needed
SEOC - 0074209	Flint State of Michigan Building Access	
EXT - 3604281	Credential Badges for Volunteers - (150)	
SEOC - 8543909	Verizon booster	
EXT - 9573804	Additional iPads for Teams (20)	
SEOC - 1641054	Flint JIC Keycard/Building Access	
SEOC - 7010962	Mobile Devices - ARC Flint Water Resource Teams (10)	
SEOC - 9161168	40 yard dumpster to Clio Road Warehouse	
EXT - 5016084	Four (4) 16 foot U-Haul Trucks	Duplicate
SEOC - 1378446	3 Short Box Trucks	DTMB trucks/drivers
SEOC - 2286619	State of Michigan Flint JIC Keycard Access	
SEOC - 4612856	1-2 box trucks for door hanging operation	DTMB trucks/drivers
SEOC - 4184367	Smart devices for distribution team activity (25) iPads	iPads
EXT - 7626555	Volunteer Credentialing Badges (300)	
EXT - 1813449	U-haul Rentals for Water Resource Teams	4 U-Haul trucks
SEOC - 3959465	TV for JIC	DirectTV Contract
EXT - 3292631	25 iPad Stylists	Provided 80 prior to 1/18 - working on 25 1/19

Date Provided
01/12/16
01/12/16
01/13/16
01/14/16
01/14/16
1/17 & 1/18
01/17/16
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01/15/16
1/13-1/19/16
01/16/16
1/13-1/19/16
01/14/16
01/15/16
1/14-1/23/16
01/19/16
01/19/16

Flint Water Response Team Plan for Wednesday, 01.20.16_V2.0_FINAL

Changes are highlighted in red

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
OGCS	Office of Genesee County Sheriff
HH	Household
LEOC	Local Emergency Operations Center
NG	National Guard

Key Leaders

WRT OIC	Lt. Amy Dehner	
ARC OIC	Robert Gaskill-Clemons	

Plan

Agency	Team Types	Mission	Priority Distribution Areas
MSP/NG	9 Teams	5400 HH	Target Areas 10-18
ARC	10 Type V	1200 HH	Target Areas 1-9

Resource Status

Team Type & Quantity	Type: N/A Quantity: 9				
Resource	**Minimum**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	9	9		1/19/16	2004
16ft box truck	9	9		1/19/16	2004
Truck Driver	9	9		1/19/16	2004
Team Member	95	95		1/19/16	2004
Team Transport Vehicle for 6-9 Team Members	8	8		1/19/16	2004
Team Transport Driver	8	8		1/19/16	2004

Patrol Car	8	8		1/19/16	2004
iPads	16	16		1/19/16	2004
Hand Warmers	300	300		1/19/16	2004
Vests	0	0		1/19/16	2004
Distribution Kit	N/A	N/A		1/19/16	2004

Team Type & Quantity	**Type:** Type V **Quantity:** 10				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	10	10		1/19/16	2004
ARC ERV	10	10		1/19/16	2004
ARC ERV Driver	10	10		1/19/16	2004
16ft box truck	0	0		1/19/16	2004
Truck Driver	0	0		1/19/16	2004
Team Member	30-60	30		1/19/16	2004
Team Transport Vehicle for 2-4 Team Members	10	10		1/19/16	2004
Team Transport Vehicle Driver	10	10		1/19/16	2004
Patrol Car	0	0		1/19/16	2004
iPads	10-20	10		1/19/16	2004
Hand Warmers	60	382		1/19/16	2004
Distribution Kit	100	1200		1/19/16	2004

Execution:

Key Locations

Team	Assembly Area	Hours of Operation
OGCS/MSP	LEOC Genesee County Administration Building	0830-1600

	1101 Beach St, Flint	
ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Critical Task: Assemble, coordinate, and monitor WRTs

OGCS/MSP Process:

1. Assign team leaders, team members, and routes to teams
2. Team Member check in
3. Conduct pre-deployment briefing to include team mission assignments, concept of operations, deployment locations, replenishment process, reporting process, and safety briefings (refer to OGCS_MSP WRT Volunteer Assembly Information V2.0_011816 for detailed information on volunteer processing at LEOC)
5. Provide training to new team members
6. Issue vest and badge to team members
7. Execute morning distribution assignment
8. Lunch served between 1230-1330
9. WRT OIC and Team Leaders midday brief
10. Execute afternoon distribution assignment
11. Conduct post-deployment debrief with team leaders and members
12. Collect vest and badge from team members

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
GCSO/MSP	0 Distribution Kits Remaining	Distribution Route: exact location determined by Team Leader	1. Contact warehouse to request replenishment truck 2. Coordinate replenishment location with warehouse 3. Exchange replenishment truck with empty truck
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix

Lunch

OGCS/MSP WRTs lunches will be provided by the ARC and coordinated by LEOC Logistics.

Reporting:

Tactics:

1. *All WRTs will utilize ipads as the primary reporting method* and the WRT Distribution Tracking Tool as a secondary method if ipads fail.

Contact	Phone	2nd phone	Role
BJ Roach			District Coordinator
Bob Burns			
Bob Scherman			Landlord for warehouse space
Brent Thelen			M&D Driver
Brian Walts			FOB Onsite
Caleb Buhs			PIO
Christyn Herman			PIO
Dane Hengesbach			MB Finance
David Bates			IT Needs
David Wilson			Phone setup/Data Lines
Denice Ballard			
George Hakim			UM Flint
Jamie Philipo			Leasing Availability
Jay Salman			Phone setup/Data Lines
Jeff Bailey			
Jim Clark			
Jim Ryan			unemployement numbers
Jim Thomas			M&D Driver
John Lance			VTS
John McQuaid			Access to MSP Network
John Patterson			
Kayla Knieper			Leasing Availability
Keith Hawes			
Kevin Moe			
Marjory Raymer			UM Flint PIO
Mark Miller			P&G
Matt Cain			
Maureen Bailey			Leasing Availability
Mike Noonan			FOB Onsite
Patrick Horgan			Phone setup/Data Lines
Quay Chuang			Transfer of toll free line
Roy Cischke			
Sam Putmon			M&D Driver
Sean			
Shelly Millimaki			M&D Mgr
Steve McMahon			Phone setup/Data Lines
Steve Riggs			
Tim Martin			IT Finance
Tom Taylor			
Troy Bos			Leasing Availability
Vicki Meyer			
William Doxie			Leasing Availability
Brian Cardwell			
Melissa Sambiaggo			
Brent Zinn			
David Khanuja			
Brad Stoddard			

Eddie Wright	
Craig Bidleman	
Jeff Pratt	
Chris Christensen	
Ryan McKee	
Rick Mohr	IT Service Technician
Linda Baker	
Brad Mruzek	
Cody Munro	
Joey Davis	
Mindy Hummel	
Gary Porrett	Owner of 4315 Clio Road warehouse
Sean Scott-Fitzgerald	Red Cross warehouse manager
John Phelps	Red Cross warehouse manager

Bureau of Labor Market Information and Strategic Initiative

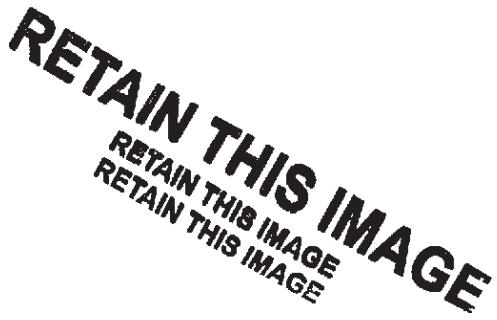
Facility space for press conferences
Rush print order for door hangars

wismarjo@umflint.edu

provided available sites in city to hold water

Called to obtain index, left messge 1/7

Purchased and contacted DTMB about donations
Purchased and contacted DTMB about donations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MSP-EOC-MDTMB

From: MSP-EOC-MDEQ
Sent: Wednesday, January 27, 2016 4:41 PM
To: Smith, Carol (DEQ); Shane, Kirby (DEQ)
Cc: Krisztian, George (DEQ); Lundy, Anastasia (DEQ); MSP-EOC-MDARD; MSP-EOC-MDLARA; MSP-EOC-MDTMB
Subject: DCDS Coding for Staff from Other Agencies

Hi Carol

I just spoke with LARA here in the SEOC, regarding the staff they're supplying to the lab and the coding they should use in DCDS. DLARA, MDARD, and future resources that fill in to help for this incident, can't charge DEQ Index, PCA, project and phase numbers. They'll use their own and their time will get accounted for otherwise.

Anastasia, if you disagree, let us all know ASAP. Thanks everyone.

Mitch
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

MSP-EOC-MDTMB

From: MSP-EOC-MDEQ
Sent: Wednesday, January 27, 2016 4:32 PM
To: Shane, Kirby (DEQ); Smith, Carol (DEQ)
Cc: Ducharme, Mark (DEQ); mpoisson@cityofflint.com; Eickholt, Jay (MSP); MSP-SEOCPIO; Brown, Melanie (DEQ); MSP-EOC-MDTMB
Subject: FW: Spanish Water Testing form.
Attachments: DW Flint Sampling form-Spanish.docx

Attached is the Spanish version of the DEQ Water Sample Request Form. DTMB has printed 20,000 copies to be delivered tomorrow.

We asked for the forms to be printed on PINK paper, but they printed them on Yellow paper, so I need to know how problematic that is to have both English and Spanish in the same color ASAP, as I may have to request a hold on shipping Spanish yellow forms and reprinting on pink, so LAB and LOCAL EOC, please advise. Thanks

Mitch
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 4:05 PM
To: MSP-EOC-MDEQ
Subject: Spanish Water Testing form.

MSP-EOC-MDTMB

From: MSP-seoclgc
Sent: Wednesday, January 27, 2016 4:28 PM
To: MSP-SEOCPIO
Cc: MSP-EOC-MDTMB; Hawks, Trevor (MSP)
Subject: RE: FAQ - Flint Water - Spanish

I will look into it. Just so you know, the original translation of the palm cards I believe came from Tori. But I'll check with Jeanette on hiring someone.

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 3:16 PM
To: MSP-seoclgc
Cc: MSP-SEOCOPSC; Banner, Shanon (MSP); Hawks, Trevor (MSP); MSP-EOC-MDTMB
Subject: RE: FAQ - Flint Water - Spanish

Logistics or Jeanette-

Can I please get an update/status of this request?

Thank you
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: MSP-SEOCPIO
Sent: Tuesday, January 26, 2016 12:46 PM
To: MSP-seoclgc
Cc: MSP-SEOCOPSC; Banner, Shanon (MSP); Hawks, Trevor (MSP); MSP-EOC-MDTMB
Subject: FW: FAQ - Flint Water - Spanish

Carol and Wendy-

I just spoke to Ryan and Jeanette with DTMB. They advised they can hire someone to translate this but that it needs to be approved/asked for by the Logistics Position.

Can you please approve this request so we can get it translated?

Thank you
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Banner, Shanon (MSP)
Sent: Tuesday, January 26, 2016 12:38 PM
To: MSP-SEOCPIO

Cc: Hawks, Trevor (MSP)
Subject: RE: FAQ - Flint Water - Spanish

Hi Kevin,

I'm going to need your help with this one. I thought the state already translated this Lead Fact Sheet into Spanish. I know we translated the palm card the water response teams are using. From the email chain it sounds like the United Way translated this document.

If we (the state) did not do it previously, then we need to send this document to whoever translated our palm cards and ask them to verify this is accurate. The JIC was not directly involved in the translation process so I'm not sure if it was done by DTMB or LARA.

Please let me know what you find out.
Thanks,
Shanon

From: MSP-SEOCPIO
Sent: Tuesday, January 26, 2016 10:58 AM
To: Banner, Shanon (MSP)
Subject: FW: FAQ - Flint Water - Spanish

Shanon-

As we discussed, what do you want done with this one?

Thanks
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Roach, Billie Jo (MSP)
Sent: Tuesday, January 26, 2016 9:20 AM
To: MSP-SEOCOPSC; MSP-SEOCPIO; Kuzera, Michelle (MSP)
Subject: FW: FAQ - Flint Water - Spanish

Hi, FYI

From: Jamie Gaskin [mailto:jgaskin@unitedwaygenesee.org]
Sent: Tuesday, January 26, 2016 8:00 AM
To: DeVriendt, Chris; Brickey, Tamara; Valacak, Mark; Roach, Billie Jo (MSP); Thompson, Sheryl D. (DHHS)
Cc: Jamie-Lee Venable
Subject: FW: FAQ - Flint Water - Spanish

Team:

Over the weekend the local Latino community has come together to make sure un documented workers and non-English speaking individuals have the help they need. As part of their efforts they translated the water safety information themselves as the State of Michigan has failed to produce or make widely available this information in Spanish.

The attached is unofficial but at this time I have no other alternative to share. Please advise on how to get this officially reviewed and approved.

In addition it is important to note that 211 has a translation service that can accommodate more than 150 languages.

Jamie Gaskin
CEO
United Way of Genesee County
Phone: 810.762.0856| Cell:
jgaskin@unitedwaygenesee.org
111 E. Court St., Suite 3A, Flint, MI 48502

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MSP-EOC-MDTMB

From: Rakowski, Rock (DTMB)
Sent: Wednesday, January 27, 2016 4:24 PM
To: MSP-EOC-MDTMB
Subject: FW: Need New Donation Email Box

From: Hyrman, Joseph (DTMB)
Sent: Wednesday, January 27, 2016 4:17 PM
To: Rakowski, Rock (DTMB) <RakowskiJ@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Cc: McQuaid, John (DTMB) <mcquaidj@michigan.gov>
Subject: FW: Need New Donation Email Box

This account has been created as requested. Please let me know if you need anything else.

Joe Hyrman, Manager
DTMB - Delivery Section
Operations Center
Pillar DH 9.5
7285 Parsons Dr., Dimondale, MI 48821
W (517) 636-6512
C
hyrmanj@michigan.gov

From: Layman, Marissa (DTMB)
Sent: Wednesday, January 27, 2016 3:37 PM
To: Hyrman, Joseph (DTMB) <HyrmanJ@michigan.gov>; McQuaid, John (DTMB) <mcquaidj@michigan.gov>
Subject: RE: Need New Donation Email Box

Mailbox has created and migrated to the cloud.

UserID:
Password:

Marissa Layman
Department of Technology, Management & Budget
Office of Automation Services
Ph. 517-636-0142
Fax 517-636-0402
LaymanM@michigan.gov
Office 365 FAQ
SOM Training Site

From: Hyrman, Joseph (DTMB)
Sent: Wednesday, January 27, 2016 3:03 PM
To: DTMB-OAS-MessagingTeam <DTMB-OAS-MessagingTeam@michigan.gov>
Subject: FW: Need New Donation Email Box
Importance: High

FYI – This needs to be done ASAP please! Respond to John and me when it has been completed.

Thanks,
Joe

From: McQuaid, John (DTMB)
Sent: Wednesday, January 27, 2016 2:53 PM
To: Hyrman, Joseph (DTMB) <HyrmanJ@michigan.gov>
Subject: FW: Need New Donation Email Box
Importance: High

Have a resource mailbox created and have the appropriate rights assigned. Thanks!

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 2:49 PM
To: McQuaid, John (DTMB) <mcquaidj@michigan.gov>
Cc: Doll, Jeanette (DTMB) <dollj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Rakowski, Rock (DTMB) <RakowskiJ@michigan.gov>
Subject: Need New Donation Email Box
Importance: High

John,
Please create a new email box per the information below.

> **Need a donation management state email address. Please name it Flintdonations@michigan.gov It needs to be associated with cell 517-420-4162, previously provided. The owner of this email box is Janet Hunter from the Michigan Community Services Commission, her work email is hunterj8@michigan.gov. She will need to access this box remotely.**

Please advise when this is complete.
Let me know if you have any questions.
Thanks
Rock

MSP-EOC-MDTMB

From: Weldon, Diane (DTMB)
Sent: Wednesday, January 27, 2016 4:21 PM
To: MSP-EOC-MDTMB
Cc: Rakowski, Rock (DTMB); Doll, Jeanette (DTMB); McKee, Ryan (DTMB); McPherson, Victoria (DTMB); Reasner, Richard (DTMB); Novello, Richard (DTMB)
Subject: RE: Request from SEOC

We have opened a Remedy INC# 5877944 and have assigned it to Telecom to research the request. We spoke to Point of Contact-Ron Leix at the JIC is asked about increasing bandwidth. Dick Novello has also been in contact with David Wilson.

Respectfully,

Diane M Weldon, Data Center Operations
Enterprise Services Manager
Department of Technology Management & Budget
(517) 241-4065 Office
Cell

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 2:33 PM
To: Weldon, Diane (DTMB) <weldond@michigan.gov>
Cc: Rakowski, Rock (DTMB) <RakowskiJ@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>; McPherson, Victoria (DTMB) <McPhersonV@michigan.gov>; Reasner, Richard (DTMB) <ReasnerR@michigan.gov>
Subject: RE: Request from SEOC
Importance: High

Diane,
Are you able to have someone check on this resource request from JIC in Flint.
I think Rich and Vicki must be out.
Let me know.
Thanks
Rock

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 1:02 PM
To: Reasner, Richard (DTMB); McPherson, Victoria (DTMB)
Cc: Rakowski, Rock (DTMB); Doll, Jeanette (DTMB); McKee, Ryan (DTMB)
Subject: Request from SEOC
Importance: High

Rich and Vicki
Can you check this out?
We have been assigned this resource request.
Let me know.
Thanks
Rock

Slow Internet at Flint JIC		
Detailed description **The Internet is slow at the Flint JIC today. We had difficulty streaming the Governor's Press conference. Not sure if this can be addressed or fixed.**		
Attachment Description		
Originating Position: **JIC PIO Leader**	**Originator Name:** **Ron Leix**	
Point of Contact: **Ron Leix**	**Point of Contact Number:**	
Priority **2-Priority (12 hrs.)**	**Date/Time Due:** **01/28/2016 00:47:00**	**Date/Time Complete:**

MSP-EOC-MDTMB

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 4:04 PM
To: MSP-EOC-MDTMB
Subject: FW: FAQ - Flint Water - Spanish
Attachments: FAQ - Flint Water - Spanish Language.pdf

Attached is the document to be confirmed is correct. Thanks

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Roach, Billie Jo (MSP)
Sent: Tuesday, January 26, 2016 9:20 AM
To: MSP-SEOCOPSC; MSP-SEOCPIO; Kuzera, Michelle (MSP)
Subject: FW: FAQ - Flint Water - Spanish

Hi, FYI

From: Jamie Gaskin [mailto:jgaskin@unitedwaygenesee.org]
Sent: Tuesday, January 26, 2016 8:00 AM
To: DeVriendt, Chris; Brickey, Tamara; Valacak, Mark; Roach, Billie Jo (MSP); Thompson, Sheryl D. (DHHS)
Cc: Jamie-Lee Venable
Subject: FW: FAQ - Flint Water - Spanish

Team:

Over the weekend the local Latino community has come together to make sure un documented workers and non-English speaking individuals have the help they need. As part of their efforts they translated the water safety information themselves as the State of Michigan has failed to produce or make widely available this information in Spanish.

The attached is unofficial but at this time I have no other alternative to share. Please advise on how to get this officially reviewed and approved.

In addition it is important to note that 211 has a translation service that can accommodate more than 150 languages.

Jamie Gaskin
CEO
United Way of Genesee County
Phone: 810.762.0856| Cell:
jgaskin@unitedwaygenesee.org
111 E. Court St., Suite 3A, Flint, MI 48502

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MSP-EOC-MDTMB

From: Miller, Mark (DTMB)
Sent: Wednesday, January 27, 2016 4:03 PM
To: MSP-EOC-MDTMB
Subject: Spanish Water Testing form.
Attachments: DW Flint Sampling form-Spanish.docx

Here is the file.

We should have it on the truck in the morning.
We should also have the 8.5x14 and the 11x17 flyers on the truck.
The other two 8.5x11 flyers will be done tomorrow.
I will get with Shelly on delivery of them for Friday.

Mark Miller
Print & Mail Consultant
Printing Services
General Services Building
7461 Crowner Dr
Lansing MI 48913
P-517-322-6455
F-517-322-5968

DTMB
HELP. CONNECT. SOLVE.

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 7:01 AM
To: Miller, Mark (DTMB) <millerm13@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: Word Documents to Translate

Mark –

Attached are the WORD documents that we need translated into Spanish. Please let me know what the turnaround time and cost when completed will be.

Thank you!

Jeanette

MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Wednesday, January 27, 2016 4:02 PM
To: MSP-EOC-MDTMB
Subject: RE: Next Step

Okay, I am on a Flint legal call after this I will give you a call and we can discuss.

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov
DTMB
HELP. CONNECT. SOLVE.

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 3:51 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Subject: FW: Next Step

Chris – We need to talk about this request after you read through the email. See SEOC responses below.

Jeanette

From: MSP-EOC-MDCH
Sent: Wednesday, January 27, 2016 3:22 PM
To: MSP-EOC-MDTMB
Subject: FW: Next Step

I think you were to be cc'd not me?

From: Buhs, Caleb (DTMB)
Sent: Wednesday, January 27, 2016 2:27 PM
To: Cook, Rebecca (DTMB); MSP-EOC-MDCH
Cc: Weiss, Kurt (DTMB); Brownlee, Jeff (DTMB)
Subject: RE: Next Step

Jeanette,
After talking this over with Jeff Brownlee, there does not seem to be any legal reason why they couldn't add a button, as was requested below. There are a few things that need to be considered though.

- Expectations need to be set for the response to these inquiries. It would be best if the receiver of these submissions was located at the SEOC, so they could review with the appropriate agency leads and determine an appropriate response. If it is expected that DTMB Procurement serve as the contact, the response to vendors will be severely delayed and in some cases they may not be able to get a response back at all. This should be handled through procurement and not the SEOC – as regular submissions are handled now

- If it is determined that a submission is feasible, the SEOC should work with Procurement to make sure all proper procedures are followed. If/when a decision is made this will happen although SEOC may not be involved in the solution.
- Shannon Banner has provided some language to the SEOC for the button that should be utilized.

Feel free to contact me if you need any further help. I've been working at the JIC in Flint today and am available by cell at

Thanks,

Caleb Buhs
Public Information Officer
Dept. of Technology, Management and Budget
O: 517-241-7422
C:
buhsc@michigan.gov

DTMB
HELP. CONNECT. SOLVE.

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 11:01 AM
To: Cook, Rebecca (DTMB) <CookR6@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: FW: Next Step
Importance: High

Rebecca –

We received the following email and would like to make sure we are providing accurate information. Please review and we can talk.

Jeanette

From: MSP-SEOCPIO

Importance: High

Can you check with DTMB on this. Tori Sachs with the Gov's Office was considering adding a button on www.helpforflint.com to capture vendors who want to pitch their product/idea; however, last I talked with her, there were concerns about violating state procurement processes.

Maybe DTMB has an email account already established for people who want to do business with the state? This is what FEMA has on their website for disasters.

Seems to me this should be handed off to DTMB procurement for a solution.

From: DeVriendt, Chris [CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, January 27, 2016 7:33 AM
To: JICManager; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: FW: Next Step

Can someone please address this. If there is going to be zero communication with 'vendors', then there needs to be a canned response indicating such. I spend an inordinate amount of time with these missives as they are coming into my work e-mail, calling the LEOC phones, and showing up at the LEOC doorstep pitching their solutions because nobody is communicating with them.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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MSP-EOC-MDTMB

From: MSP-seoclgc
Sent: Wednesday, January 27, 2016 3:44 PM
To: MSP-SEOCPIO; MSP-EOC-MDTMB
Cc: MSP-SEOCOPSC
Subject: RE: Next Step

YAY!!!!! That would be fantastic! The sooner the better Jeanette!

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 2:03 PM
To: MSP-seoclgc; MSP-EOC-MDTMB
Cc: MSP-SEOCOPSC
Subject: FW: Next Step

Wendy-

Reference the below, I spoke to Jeannette with DTMB about this. She is going to send me a point of contact/number/entity to send these requests to within their department. Won't stop the calls from coming in, but Chris (and others) will at least have a place to direct them to

If you have something else, please let me know

Thanks
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: MSP-SEOCOPSC
Sent: Wednesday, January 27, 2016 1:49 PM
To: MSP-SEOCPIO
Subject: RE: Next Step

Not sure if Shannon has forwarded Wendy (Galbreath) the verbiage. I know it was mentioned this morning.
Gabe

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 11:37 AM
To: MSP-SEOCOPSC; MSP-EOC-MDEQ; MSP-EOC-MDTMB
Cc: Kuzera, Michelle (MSP); Banner, Shanon (MSP)
Subject: FW: Next Step

All-

Any comment on this I can share back with Chris. Do we have a plan in place to address these vendors?

Thank you
Kevin

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Banner, Shanon (MSP)
Sent: Wednesday, January 27, 2016 11:31 AM
To: 'CDeVriendt@co.genesee.mi.us'; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: MSP-SEOCPIO; Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: RE: Next Step

I have been advised this continues to be under review by our procurement experts at the Michigan Department of Technology, Management, and Budget.

From: DeVriendt, Chris [CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, January 27, 2016 7:33 AM
To: JICManager; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: FW: Next Step

Can someone please address this. If there is going to be zero communication with 'vendors', then there needs to be a canned response indicating such. I spend an inordinate amount of time with these missives as they are coming into my work e-mail, calling the LEOC phones, and showing up at the LEOC doorstep pitching their solutions because nobody is communicating with them.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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From: John Novitsky [mailto:jnovitsky@sbcglobal.net]
Sent: Wednesday, January 27, 2016 1:16 AM
To: DeVriendt, Chris
Subject: Next Step

Chris-
We (many people in Silicon Valley) would like to help, and we keep trying to work with the people trying to solve the Flint water crisis. MSU Alumni Assoc in NorCal is now engaged. So is the Chairman of the Board of Cal Water, Peter Nelson, the #6 largest public utility in the USA.

We keep getting zero feedback, no guidance, so we are doing what we can: working with churches and with relatives in Flint.

Tomorrow, we will pull additional water samples from several places, and run those through an EPA certified lab. I expect that we'll have data that shows we can pull water directly from the Flint River, run it through our purifier, and have 100% of all pathogens destroyed, zero lead, zero arsenic, etc. Plus a few more tests from various Flint tap water sources. Of course, with 0.5 micron filtration and 72k mV/cm**3/sec, no pathogen can survive. EPA certified lab tests from multiple states can document that. In addition, the science is well understood. But we'll do it – yet again – with a lab in Michigan, using Flint water sources – in order to try to increase the chances that the gov't people in charge of the fix will pay attention.

Can you or your designee get on a phone call, no recording, no press, just you, me and Peter Nelson, explain where your "fix" is really, and use the engineering resources of Cal Water to help out?

Wishing you continued good luck. What happened in 2014 and in 2015 can't be changed. Going forward, it's about stopping all additional lead contamination, and making the water 100% safe to drink/shower in/etc for the people in the Flint Muni water district.

John Novitsky
Woodside, Ca
Cell #

Partly on behalf of www.merlinecocolutions.com , my brother's company. I don't get paid a penny.

MSP-EOC-MDTMB

From: Cook, Rebecca (DTMB)
Sent: Wednesday, January 27, 2016 3:43 PM
To: MSP-EOC-MDTMB
Cc: Riehle, Jenni (DTMB)
Subject: Flint Response - Vendor Outreach needed.

Jeanette

Our vendor outreach coordinator, Jenni Riehle, is working with our PIO/Caleb and CPO/Jeff to coordinate a solution with Shannon and Tori.

I'm asking Jenni to be the lead on getting website changes or other information in place, based on a conversation Jeff and Caleb had this afternoon.

Sounds like they want inquiries to route into the SEOC. Items like the one below would need to be routed to DEQ technical staff for evaluation.

Jenni will be reaching out, please feel free to contact either of us directly.

Thank you.
Rebecca

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 3:20 PM
To: Cook, Rebecca (DTMB) <CookR6@michigan.gov>
Subject: FW: Next Step

Any update on this?

Jeanette

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 2:03 PM
To: MSP-seocigc; MSP-EOC-MDTMB
Cc: MSP-SEOCOPSC
Subject: FW: Next Step

Wendy-

Reference the below, I spoke to Jeannette with DTMB about this. She is going to send me a point of contact/number/entity to send these requests to within their department. Won't stop the calls from coming in, but Chris (and others) will at least have a place to direct them to

If you have something else, please let me know

Thanks
K

State Emergency Operations Center

Public Information Officer
517-324-2304

From: MSP-SEOCOPSC
Sent: Wednesday, January 27, 2016 1:49 PM
To: MSP-SEOCPIO
Subject: RE: Next Step

Not sure if Shannon has forwarded Wendy (Galbreath) the verbiage. I know it was mentioned this morning.
Gabe

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 11:37 AM
To: MSP-SEOCOPSC; MSP-EOC-MDEQ; MSP-EOC-MDTMB
Cc: Kuzera, Michelle (MSP); Banner, Shanon (MSP)
Subject: FW: Next Step

All-

Any comment on this I can share back with Chris. Do we have a plan in place to address these vendors?

Thank you
Kevin

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Banner, Shanon (MSP)
Sent: Wednesday, January 27, 2016 11:31 AM
To: 'CDeVriendt@co.genesee.mi.us'; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: MSP-SEOCPIO; Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: RE: Next Step

I have been advised this continues to be under review by our procurement experts at the Michigan Department of Technology, Management, and Budget.

From: DeVriendt, Chris [CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, January 27, 2016 7:33 AM
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Cc: Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
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Woodside, Ca
Cell #

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MSP-EOC-MDTMB

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 3:31 PM
To: MSP-EOC-MDTMB; MSP-seoclgc; MSP-SEOCOPSC
Subject: RE: Next Step

Ok. We can discuss now....

State Emergency Operations Center
Public Information Officer
517-324-2304

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 3:29 PM
To: MSP-seoclgc; MSP-SEOCOPSC
Cc: MSP-SEOCPIO
Subject: FW: Next Step

We need to discuss this –

Jeanette

From: Buhs, Caleb (DTMB)
Sent: Wednesday, January 27, 2016 2:27 PM
To: Cook, Rebecca (DTMB); MSP-EOC-MDCH
Cc: Weiss, Kurt (DTMB); Brownlee, Jeff (DTMB)
Subject: RE: Next Step

Jeanette,
After talking this over with Jeff Brownlee, there does not seem to be any legal reason why they couldn't add a button, as was requested below. There are a few things that need to be considered though.

- Expectations need to be set for the response to these inquiries. It would be best if the receiver of these submissions was located at the SEOC, so they could review with the appropriate agency leads and determine an appropriate response. If it is expected that DTMB Procurement serve as the contact, the response to vendors will be severely delayed and in some cases they may not be able to get a response back at all.
- If it is determined that a submission is feasible, the SEOC should work with Procurement to make sure all proper procedures are followed.
- Shannon Banner has provided some language to the SEOC for the button that should be utilized.

Feel free to contact me if you need any further help. I've been working at the JIC in Flint today and am available by cell at

Thanks,

Caleb Buhs
Public Information Officer
Dept. of Technology, Management and Budget
O: 517-241-7422
(

buhsc@michigan.gov

DTMB
HELP. CONNECT. SOLVE.

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 11:01 AM
To: Cook, Rebecca (DTMB) <CookR6@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: FW: Next Step
Importance: High

Rebecca –

We received the following email and would like to make sure we are providing accurate information. Please review and we can talk.

Jeanette

From: MSP-SEOCPIO

Importance: High

Can you check with DTMB on this. Tori Sachs with the Gov's Office was considering adding a button on www.helpforflint.com to capture vendors who want to pitch their product/idea; however, last I talked with her, there were concerns about violating state procurement processes.

Maybe DTMB has an email account already established for people who want to do business with the state? This is what FEMA has on their website for disasters.

Seems to me this should be handed off to DTMB procurement for a solution.

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Sent: Wednesday, January 27, 2016 7:33 AM
To: JICManager; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
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Flint, MI 48502
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MSP-EOC-MDTMB

From: MSP-EOC-MDCH
Sent: Wednesday, January 27, 2016 3:22 PM
To: MSP-EOC-MDTMB
Subject: FW: Next Step

I think you were to be cc'd not me?

From: Buhs, Caleb (DTMB)
Sent: Wednesday, January 27, 2016 2:27 PM
To: Cook, Rebecca (DTMB); MSP-EOC-MDCH
Cc: Weiss, Kurt (DTMB); Brownlee, Jeff (DTMB)
Subject: RE: Next Step

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C:
buhsc@michigan.gov
DTMB
HELP. CONNECT. SOLVE.

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Subject: FW: Next Step
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MSP-EOC-MDTMB

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 3:16 PM
To: MSP-seoclgc
Cc: MSP-SEOCOPSC; Banner, Shanon (MSP); Hawks, Trevor (MSP); MSP-EOC-MDTMB
Subject: RE: FAQ - Flint Water - Spanish

Logistics or Jeanette-

Can I please get an update/status of this request?

Thank you
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: MSP-SEOCPIO
Sent: Tuesday, January 26, 2016 12:46 PM
To: MSP-seoclgc
Cc: MSP-SEOCOPSC; Banner, Shanon (MSP); Hawks, Trevor (MSP); MSP-EOC-MDTMB
Subject: FW: FAQ - Flint Water - Spanish

Carol and Wendy-

I just spoke to Ryan and Jeanette with DTMB. They advised they can hire someone to translate this but that it needs to be approved/asked for by the Logistics Position.

Can you please approve this request so we can get it translated?

Thank you
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Banner, Shanon (MSP)
Sent: Tuesday, January 26, 2016 12:38 PM
To: MSP-SEOCPIO
Cc: Hawks, Trevor (MSP)
Subject: RE: FAQ - Flint Water - Spanish

Hi Kevin,

I'm going to need your help with this one. I thought the state already translated this Lead Fact Sheet into Spanish. I know we translated the palm card the water response teams are using. From the email chain it sounds like the United Way translated this document.

If we (the state) did not do it previously, then we need to send this document to whoever translated our palm cards and ask them to verify this is accurate. The JIC was not directly involved in the translation process so I'm not sure if it was done by DTMB or LARA.

Please let me know what you find out.
Thanks,
Shanon

From: MSP-SEOCPIO
Sent: Tuesday, January 26, 2016 10:58 AM
To: Banner, Shanon (MSP)
Subject: FW: FAQ - Flint Water - Spanish

Shanon-

As we discussed, what do you want done with this one?

Thanks
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Roach, Billie Jo (MSP)
Sent: Tuesday, January 26, 2016 9:20 AM
To: MSP-SEOCOPSC; MSP-SEOCPIO; Kuzera, Michelle (MSP)
Subject: FW: FAQ - Flint Water - Spanish

Hi, FYI

From: Jamie Gaskin [mailto:jgaskin@unitedwaygenesee.org]
Sent: Tuesday, January 26, 2016 8:00 AM
To: DeVriendt, Chris; Brickey, Tamara; Valacak, Mark; Roach, Billie Jo (MSP); Thompson, Sheryl D. (DHHS)
Cc: Jamie-Lee Venable
Subject: FW: FAQ - Flint Water - Spanish

Team:

Over the weekend the local Latino community has come together to make sure un documented workers and non-English speaking individuals have the help they need. As part of their efforts they translated the water safety information themselves as the State of Michigan has failed to produce or make widely available this information in Spanish.

The attached is unofficial but at this time I have no other alternative to share. Please advise on how to get this officially reviewed and approved.

In addition it is important to note that 211 has a translation service that can accommodate more than 150 languages.

Jamie Gaskin
CEO
United Way of Genesee County
Phone: 810.762.0856| Cell:
jgaskin@unitedwaygenesee.org

111 E. Court St., Suite 3A, Flint, MI 48502

GIVE. ADVOCATE. VOLUNTEER.

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MSP-EOC-MDTMB

From: Weldon, Diane (DTMB)
Sent: Wednesday, January 27, 2016 3:14 PM
To: MSP-EOC-MDTMB
Cc: Rakowski, Rock (DTMB); Doll, Jeanette (DTMB); McKee, Ryan (DTMB); McPherson, Victoria (DTMB); Reasner, Richard (DTMB); Jackson, JP (DTMB); Moore, Steven (DTMB); Novello, Richard (DTMB)
Subject: RE: Request from SEOC

Per our phone conversation I will check with EM, Telecom may have to assist.

Respectfully,

Diane M Weldon, Data Center Operations
Enterprise Services Manager
Department of Technology Management & Budget
(517) 241-4065 Office
Cell

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 2:33 PM
To: Weldon, Diane (DTMB) <weldond@michigan.gov>
Cc: Rakowski, Rock (DTMB) <RakowskiJ@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>; McPherson, Victoria (DTMB) <McPhersonV@michigan.gov>; Reasner, Richard (DTMB) <ReasnerR@michigan.gov>
Subject: RE: Request from SEOC
Importance: High

Diane,
Are you able to have someone check on this resource request from JIC in Flint.
I think Rich and Vicki must be out.
Let me know.
Thanks
Rock

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 1:02 PM
To: Reasner, Richard (DTMB); McPherson, Victoria (DTMB)
Cc: Rakowski, Rock (DTMB); Doll, Jeanette (DTMB); McKee, Ryan (DTMB)
Subject: Request from SEOC
Importance: High

Rich and Vicki
Can you check this out?
We have been assigned this resource request.
Let me know.
Thanks
Rock

Slow Internet at Flint JIC		
Detailed description **The Internet is slow at the Flint JIC today. We had difficulty streaming the Governor's Press conference. Not sure if this can be addressed or fixed.**		
Attachment Description		
Originating Position: **JIC PIO Leader**	**Originator Name:** **Ron Leix**	
Point of Contact: **Ron Leix**	**Point of Contact Number:**	
Priority **2-Priority (12 hrs.)**	**Date/Time Due:** **01/28/2016 00:47:00**	**Date/Time Complete:**

MSP-EOC-MDTMB

From: MSP-SEOCPIO
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John Novitsky
Woodside, Ca
Cell #

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MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 1:36 PM
To: MSP-EOC-MDTMB
Subject: Re: Flint Access

He has a card already. Just added access.

Sent from my iPhone

On Jan 27, 2016, at 1:03 PM, MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov> wrote:

> Sending it through ID mail?
>
> ---
>
> **From:** McKee, Ryan (DTMB)
> **Sent:** Wednesday, January 27, 2016 12:58 PM
> **To:** MSP-EOC-MDTMB
> **Subject:** RE: Flint Access
>
> All set.
>
> Thank you,
>
> **Ryan McKee**
> DTMB Cybersecurity & Infrastructure Protection
> Office of Infrastructure Protection
> p: (517) 241-3356
> e: mckeer1@michigan.gov
>
> ---
>
> **From:** MSP-EOC-MDTMB
> **Sent:** Wednesday, January 27, 2016 11:58 AM
> **To:** McKee, Ryan (DTMB) <mckeer1@michigan.gov>
> **Subject:** Flint Access
>
> Another one!
>
> **Create keycard access to the Flint JIC and parking garage for David Barker, barkerd1@michigan.gov**

MSP-EOC-MDTMB

From: Cischke, Roy (DTMB)
Sent: Wednesday, January 27, 2016 1:33 PM
To: MSP-EOC-MDTMB
Subject: RE: vans

Ok, Bob can make arrangements.

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 11:58 AM
To: Cischke, Roy (DTMB) <cischker@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: RE: vans

Yes -

From: Cischke, Roy (DTMB)
Sent: Wednesday, January 27, 2016 11:56 AM
To: Doll, Jeanette (DTMB)
Cc: MSP-EOC-MDTMB
Subject: RE: vans

Yes, so your all done with them?

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 10:18 AM
To: Cischke, Roy (DTMB) <cischker@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: RE: vans

Hi Roy –

I am having someone pick up the one from the dealership and another one at the county building brought to the warehouse. Once I am notified this is complete, I will call Bob to get them picked up. Okay?

Jeanette

From: Cischke, Roy (DTMB)
Sent: Wednesday, January 27, 2016 8:18 AM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: vans

Hey Jeanette,

Whats happening with the vans?

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 12:58 PM
To: MSP-EOC-MDTMB
Subject: RE: Flint Access

All set.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 11:58 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Flint Access

Another one!

Create keycard access to the Flint JIC and parking garage for David Barker, barkerd1@michigan.gov

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 12:52 PM
To: MSP-EOC-MDTMB
Subject: RE: Flint Parking Issue

The only one that didn't was Angela. She's set now. Caleb actually used his today and it allowed him access.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 11:53 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Flint Parking Issue

Ryan – Could you check the following:

> **The following individuals need their keycards checked to ensure they have access to the the Flint JIC Parking area:**
> ***Caleb Buhs, BuhsC@michigan.gov**
> ***Jason Moon,moonj@michigan.gov**
> ***Angela Minicuci, MinicuciA@michigan.gov**
> ***Heather Throne, ThroneH@michigan.gov**
>
> **All have keycard access to the JIC, but their IDs won't lift the state of Michigan parking gate.**

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 12:50 PM
To: MSP-EOC-MDTMB
Subject: FW: GOB/SEOC Drawings
Attachments: GOB 1st Floor.pdf

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 12:40 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: RE: GOB/SEOC Drawings

I do not have one for the SEOC but attached is the 1st floor.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 12:12 PM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: RE: GOB/SEOC Drawings

Do you have ones that show shelter areas?

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 11:32 AM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: GOB/SEOC Drawings

Attached. Let me know if you need more detail.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 12:48 PM
To: MSP-EOC-MDTMB
Subject: RE: Another Card for ConHall

Already done this morning by Craig.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 11:49 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: Another Card for ConHall

Kelley Multerer

Please deliver the ID Card to Kelley in the ECC Conf Room - ConHall LL South Tower

Jeanette

MSP-EOC-MDTMB

From: MSP-EOC-MDEQ
Sent: Wednesday, January 27, 2016 12:43 PM
To: Doll, Jeanette (DTMB)
Cc: MSP-EOC-MDTMB
Subject: RE: Bluewater water purifiers help Flint

https://www.wqa.org/Find-Products#/keyword/bluewater

The Bluewater filters are **not** NSF/ANSI 53 for lead reduction.

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 9:46 AM
To: MSP-EOC-MDEQ
Cc: MSP-EOC-MDTMB
Subject: FW: Bluewater water purifiers help Flint

Could we have someone look into the water purifier (attached) to see if it meets NSF standards? The unit was already installed in a couple locations within Flint (below) and would like to make sure the unit will not need to be replaced.

Thank you –

Jeanette

From: Cook, Rebecca (DTMB)
Sent: Tuesday, January 26, 2016 6:10 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: FW: Bluewater water purifiers help Flint

Jeanette

As we previously discussed, you are my contact to triage and route external inquiries. Bluewater called me this morning, and I requested an email with more information.

It is unclear to me whether this unit meets the standards used for the faucet water filter sourcing. Can a resource be identified to check? If not, someone may want to consider reaching out to the two locations that received donated units.

Thanks for routing this into the correct hands.

Rebecca

From: Lin Guo [mailto:ag@bluewater.se]
Sent: Tuesday, January 26, 2016 4:27 PM
To: Cook, Rebecca (DTMB) <CookR6@michigan.gov>

Cc: Niclas Wullt <nw@bluewater.se>; David Noble <dn@bluewater.se>; Daniel Hertzberg <dh@bluewater.se>; Kim Börjesson <kb@bluewater.se>
Subject: Bluewater water purifiers help Flint

Hi Rebecca,

It was nice talking to you this morning, we will appreciate if you can read this email and forward to related team who in charge of procurement for Flint water crisis.

Bluewater is a Swedish company that has innovated a patented second-generation reverse osmosis technology which turns tap water into healthier drinking water by removing up to 99% of almost all known water-borne contaminants; plus, cuts the water wastage common to traditional reverse osmosis systems by up to 82%.

Bluewater has been selling in the USA for the past 18 months, based out of Overland Park, Kansas, where we also have our warehouse that serves customers across the United States. We are a sister company to Blueair, which is one of the major air purifier companies in the United States, based out of Chicago.

Last week saw us donate and install two of our high performance water purifiers in Flint, Michigan, in response to their crisis as our water purifiers excel at removing lead and other toxic metals from residential drinking water. While we applaud people donating water bottles, it is only a short term solution, whereas as water purifiers are both a short-term and a long term solution.

One Bluewater Pro machine was installed at the Community Center at Catholic Charities of Shiawassee and Genesee Counties, where they serve 1,000 meals every day to local residents. The other unit was installed at Shelter of Flint, the largest shelter at Flint.

Both units were installed by Bluewater's Product Manager who traveled to Flint personally. FYI, many bottled water brands in the USA use reverse osmosis to purify their water. Using a Bluewater unit is a cheaper long-term option that also contributes to a better environment because they negate the need for plastic bottles as they deliver purifier water 'on demand'. (a side note, as you may already know, "Pepsi Admits That Its Aquafina Bottled Water is Just Tap Water, Coca-Cola's Dasani Is Next" see news of today http://healthycures.org/pepsi-admits-that-its-aquafina-bottled-water-is-just-tap-water-coca-colas-dasani-is-next

The Bluewater Pro400 reverse osmosis water purifiers we donated to Flint can produce 52 gallons of purified water per hour, which means we can supply 2,700 people a total of two liters of clean water free of lead and other toxic metals every day. This translates into saving 4,800 one-liter bottles being put into the environment every day!

The compact Pro is designed for professional use, in restaurants, hotels, schools, hospitals and laboratories. Installing just 38 of our units in Flint would deliver the 100,000 residents two liters of totally clean water every day - meeting their basic daily human health need for drinking water.

Bluewater harnesses our own patented second-generation reverse osmosis technology, which removes practically all toxic contamination from tap drinking water including lead. The other contaminates we remove include other heavy metals, pesticides, medical residues, and dioxins and petro chemicals.

What also makes our water purifiers unique is that our unique technology ALSO radically increases the efficiency of water treatment, which translates into a Bluewater unit using 82% less water to generate clean water than a traditional reverse osmosis unit.

Reverse osmosis technology purifies water by forcing untreated water through a semi-permeable filter or 'membrane'. Bluewater membranes will block toxic metals and chemicals down to 0.0001 micron (that's 500,000 times smaller than a human hair). Our technology also delivers water 'on-demand', which means no need for a holding tank

As a business, we cannot afford to donate an endless number of units free to Flint, but due to the special nature of the situation (and the fact that most of us are parents of small children and have huge sympathy for those impacted by the crisis) we want to step up even more by offering Michigan State prices that are very substantially discounted. In fact, we want to offer you a one-off purchase opportunity that sees us offering you our products at the manufacturing price (i.e. we make no margin on the deal).

This would see the products we recommend you consider coming in at:

Pro 400C-HF(high flow) (this is the model we donated to Flint) $1920 + shipping
(suitable for professional use, hospitals, labs, restaurant, coffee shop, office building)
- Superior Osmosis Technology
- Direct flow, no need of tank
- Capacity up to 52 gallon per hour
- Clean water delivery rate of 52 gallon per hour
- Cleaning brackish water, up to 7500 ppm
- water quality monitor
- Calibration of cleanliness
- Advanced leak protection system
-Clean water per kWh: 433L/kWh (114.3gallon/kWh)
-Clean water rate: 222L/hour (58.6 gallons/hour)
-Dimensions: 225 x 466 x 460mm (8.9 x 18.3 x 18.10 inch)
-Weight: 29kgs (64lb)
-Water recovery rate: 60-70%

<u>The other two models we could consider as an alternative (the only difference is that the water flow is less powerful) are:</u>

Spirit 300-HF(high flow) $1350 + shipping
Compact design that fits into any contemporary kitchen
- Designed for Municipal water
- Superior Osmosis Technology
- Capacity up to 43.2 gallon per hour
- Director Flow, no need of tank
- Extra compact Design
- Advanced leak protection system
- Clean water per KWh: 377L/kWh (99.5 gallons/kWh)
- Clean water rate: of 99L/hour (26.2 gallons/hour)
- Dimensions: 150 x 462 x 365 mm(5.9 x 18.2 x 14.4 inches)
- Weight: 15 kgs (33lb)
- Water recovery rate: 40-60%

Spirit 300Cp-HR(high rejection) $1500 + shipping
Compact design that fits into any contemporary kitchen, can connect to dish washer, coffee maker, ice machine/refrigerator
- Designed for Municipal water
- Superior Osmosis Technology
- Capacity up to 43.2 gallon per hour
- Director Flow, no need of tank
- Extra compact Design
- Advanced leak protection system
- Clean water per KWh: 377L/kWh (99.5 gallons/kWh)
- Clean water rate: of 99L/hour (26.2 gallons/hour)
- Dimensions: 150 x 462 x 365 mm(5.9 x 18.2 x 14.4 inches)
- Weight: 15 kgs (33lb)
- Water recovery rate: 40-60%

Please do not hesitate to get back if there is anything additional information you need from us. Attached is our catalog and photo how it looks in the kitchen.

Here are two reference you can contact at Flint, they are using our donated water purifiers now for producing pure water

Liz Ruediger
Director of Operations & Development
Shelter of Flint
605 N. Saginaw Street, Suite 2A
Flint, MI 48502

Shegos, Sheila sshegos@ccsgc.org

Catholic Charities of Shiawassee and Genesee Counties
901 Chippewa St.
Flint, MI 48503
www.ccsgc.org

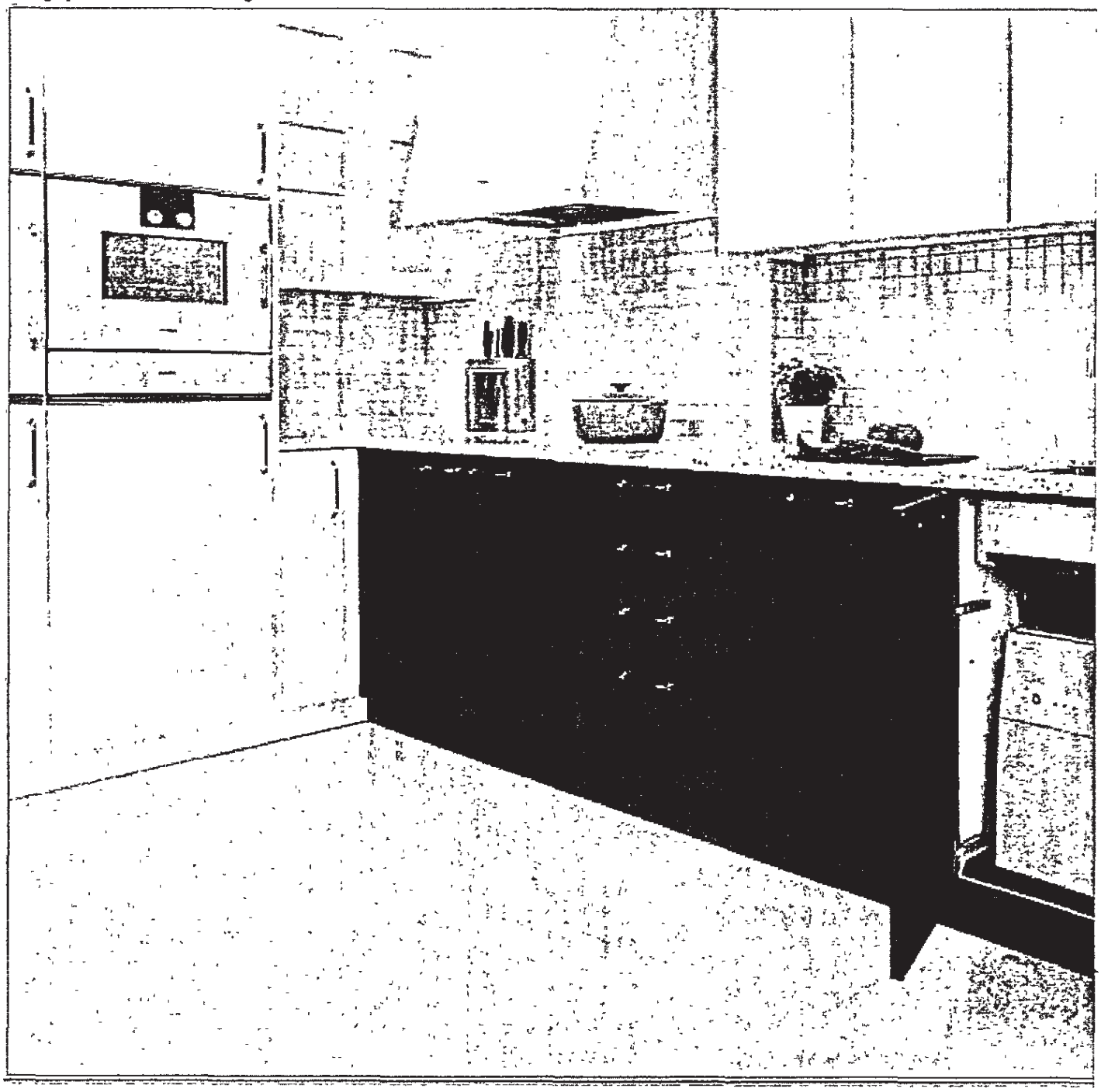
To discover more about us at Bluewater, please visit us at www.bluewatergroup.com

I look forward to hearing from you and let's help Flint together.

Best Regards
Lin

Lin Guo
National Sales Representative | Bluewater USA Inc.
Tel· +1 844 225 8392 (1-844-2Bluewater)
Cell +1 913 593 3115 E. ag@bluewatergroup com
7603 W 145th Terrace,Overland Park, Kansas 66223, USA
Headquarter
Bluewater Group

Danderydsgatan 11, 114 26 Stockholm, Sweden
www.bluewatergroup.com
Turning tap water into healthier drinking water



MSP-EOC-MDTMB

From: MSP-EOC-MDSP
Sent: Wednesday, January 27, 2016 12:21 PM
To: Doll, Jeanette (DTMB)
Cc: MSP-EOC-MDTMB
Subject: RE: Safety Information

Thank you!!!

Spl/Lt. Mardella Horhn

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 12:12 PM
To: MSP-EOC-MDSP
Cc: MSP-EOC-MDTMB
Subject: Safety Information

Attached are the electronic versions for the General Office Building.

Jeanette

Jeanette Doll, Professional Emergency Manager
MI Dept. of Technology, Management & Budget
Emergency Management Coordinator
(517) 373-2231 Office
Cell

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Wolfinger, Carol (MSP)
Sent: Wednesday, January 27, 2016 12:20 PM
To: MSP-EOC-MDTMB; MSP-seoclgc; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); MSP-EOC-MDCORTNS
Subject: RE: American Logisitics Aid Network

Waiting to hear back from him – hoping VERY soon!

Carol A. Wolfinger
Training and Exercise Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
7426 Osborn
Lansing, MI 48913
Phone: 517-636-0734
MX
FX: 517-322-6442

PLEASE NOTE: Effective February 1, 2016, the Training and Exercise Unit/Preparedness and Training Section/Emergency Management and Homeland Security Divsion is moving.
My new contact information will be:

Phone: 517-284-3938
Fax: 517-284-3857

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 12:15 PM
To: Wolfinger, Carol (MSP); MSP-seoclgc; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); MSP-EOC-MDCORTNS
Subject: RE: American Logisitics Aid Network

When would the pallet jacks and warehouse (what does this include) be available?

Jeanette

From: Wolfinger, Carol (MSP)
Sent: Wednesday, January 27, 2016 11:13 AM
To: MSP-seoclgc; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); MSP-EOC-MDTMB; MSP-EOC-MDCORTNS

Subject: American Logisitics Aid Network
Importance: High

I have been in touch with this organization to provide fork lifts for the warehouse and pallet jacks for the PODs (DONATED!!!!)

I did give them Bonnie's number to ensure they will be providing exactly what we need at the warehouse. They will get back with me on their delivery timeframe soon.
I would suggest we use this resource over renting – they depend on corporate donors for funding and are looking to support us in any way that has been identified.

They also provide warehouse space and trucking ---(*LET me know if you need these things and I can ask for the* warehouse and trucks as well)

http://alanaid.org/

Carol A. Wolfinger
Training and Exercise Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
7426 Osborn
Lansing, MI 48913
Phone: 517-636-0734
MX:
FX: 517-322-6442

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7150 Harris Drive
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Mailing Address:
PO Box #30634
Lansing, Michigan 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 12:12 PM
To: MSP-EOC-MDSP
Cc: MSP-EOC-MDTMB
Subject: Safety Information
Attachments: Lansing Area DTMB-managed.pdf; Emergency Card August 2015.pdf; GOB 1st Floor.pdf; SEOC.PDF

Attached are the electronic versions for the General Office Building.

Jeanette

Jeanette Doll, Professional Emergency Manager
MI Dept. of Technology, Management & Budget
Emergency Management Coordinator
(517) 373-2231 Office
Cell

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Cischke, Roy (DTMB)
Sent: Wednesday, January 27, 2016 11:56 AM
To: Doll, Jeanette (DTMB)
Cc: MSP-EOC-MDTMB
Subject: RE: vans

Yes, so your all done with them?

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 10:18 AM
To: Cischke, Roy (DTMB) <cischker@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: RE: vans

Hi Roy –

I am having someone pick up the one from the dealership and another one at the county building brought to the warehouse. Once I am notified this is complete, I will call Bob to get them picked up. Okay?

Jeanette

From: Cischke, Roy (DTMB)
Sent: Wednesday, January 27, 2016 8:18 AM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: vans

Hey Jeanette,

Whats happening with the vans?

MSP-EOC-MDTMB

From: MSP-EOC-MDEQ
Sent: Wednesday, January 27, 2016 11:46 AM
To: Banner, Shanon (MSP); Brown, Melanie (DEQ); JICManager; Holland, Meegan (GOV); MSP-EOC-MDTMB
Subject: RE: Next Step

Jeanette, Are you aware of anything in place in DTMB?

F/Lt Jen Wolf
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
MSP-EOC-MDEQ@michigan.gov

From: Banner, Shanon (MSP)
Sent: Wednesday, January 27, 2016 11:43 AM
To: Brown, Melanie (DEQ); MSP-EOC-MDEQ; JICManager; Holland, Meegan (GOV)
Subject: RE: Next Step

I have been told this is being reviewed by DTMB. The concern/delay is that we need to be careful regarding the state procurement process. I do not believe this needs to be addressed by the JIC at this point.

Once a point of contact, or web page, or email box is established to capture this information, we (the JIC) can help in sharing it, but how they collect this information is being addressed by others.

Thanks.

From: Brown, Melanie (DEQ)
Sent: Wednesday, January 27, 2016 11:37 AM
To: MSP-EOC-MDEQ; JICManager; Banner, Shanon (MSP); Holland, Meegan (GOV)
Subject: Re: Next Step

Think we need to discuss - I believe there is a plan for outreach to business community thru the chambers.

On Jan 27, 2016, at 11:13 AM, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov> wrote:

> Is this something someone in the JIC can do or should we send someone there specifically to address these calls?
>
> **F/Lt Jen Wolf**
> **SEOC OPS Health and Env MDEQ**
> **SEOC Desk 517-336-2676**
> MSP-EOC-MDEQ@michigan.gov
>
> ---
>
> **From:** Adelman, Mitch (DEQ)
> **Sent:** Wednesday, January 27, 2016 10:59 AM
> **To:** MSP-EOC-MDEQ
> **Subject:** FW: Next Step
> **Importance:** High

In case you haven't seen this yet...
Mitch

From: DeVriendt, Chris [mailto:CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, January 27, 2016 7:34 AM
To: JICManager; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: FW: Next Step
Importance: High

Can someone please address this. If there is going to be zero communication with 'vendors', then there needs to be a canned response indicating such. I spend an inordinate amount of time with these missives as they are coming into my work e-mail, calling the LEOC phones, and showing up at the LEOC doorstep pitching their solutions because nobody is communicating with them.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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From: John Novitsky [mailto:jnovitsky@sbcglobal.net]
Sent: Wednesday, January 27, 2016 1:16 AM
To: DeVriendt, Chris
Subject: Next Step

Chris-
We (many people in Silicon Valley) would like to help, and we keep trying to work with the people trying to solve the Flint water crisis. MSU Alumni Assoc in NorCal is now engaged. So is the Chairman of the Board of Cal Water, Peter Nelson, the #6 largest public utility in the USA.

We keep getting zero feedback, no guidance, so we are doing what we can: working with churches and with relatives in Flint.

Tomorrow, we will pull additional water samples from several places, and run those through an EPA certified lab. I expect that we'll have data that shows we can pull water directly from the Flint River, run it through our purifier, and have 100% of all pathogens destroyed, zero lead, zero arsenic, etc. Plus a few more tests from various Flint tap water sources. Of course, with 0.5 micron filtration and 72k mV/cm**3/sec, no pathogen can survive. EPA certified lab tests from multiple states can document that. In addition, the science is well understood. But we'll do it – yet again – with a lab in Michigan, *using Flint water sources – in order to try to increase the chances that the gov't people in charge of the* fix will pay attention.

Can you or your designee get on a phone call, no recording, no press, just you, me and Peter Nelson, explain where your "fix" is really, and use the engineering resources of Cal Water to help out?

Wishing you continued good luck. What happened in 2014 and in 2015 can't be changed. Going forward, it's about stopping all additional lead contamination, and making the water 100% safe to drink/shower in/etc for the people in the Flint Muni water district.
John Novitsky
Woodside, Ca
Cell #

Partly on behalf of www.merlinecocolutions.com , my brother's company. I don't get paid a penny.

MSP-EOC-MDTMB

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 11:37 AM
To: MSP-SEOCOPSC; MSP-EOC-MDEQ; MSP-EOC-MDTMB
Cc: Kuzera, Michelle (MSP); Banner, Shanon (MSP)
Subject: FW: Next Step

All-

Any comment on this I can share back with Chris. Do we have a plan in place to address these vendors?

Thank you
Kevin

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Banner, Shanon (MSP)
Sent: Wednesday, January 27, 2016 11:31 AM
To: 'CDeVriendt@co.genesee.mi.us'; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: MSP-SEOCPIO; Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: RE: Next Step

I have been advised this continues to be under review by our procurement experts at the Michigan Department of Technology, Management, and Budget.

From: DeVriendt, Chris [CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, January 27, 2016 7:33 AM
To: JICManager; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: FW: Next Step

Can someone please address this. If there is going to be zero communication with 'vendors', then there needs to be a canned response indicating such. I spend an inordinate amount of time with these missives as they are coming into my work e-mail, calling the LEOC phones, and showing up at the LEOC doorstep pitching their solutions because nobody is communicating with them.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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copying, or distribution of the message, or any action or omission taken by you in reliance on it, is prohibited and may be unlawful. Please immediately contact the sender if you have received this message in error. Thank you.

From: John Novitsky [mailto:jnovitsky@sbcglobal.net]
Sent: Wednesday, January 27, 2016 1:16 AM
To: DeVriendt, Chris
Subject: Next Step

Chris-
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We keep getting zero feedback, no guidance, so we are doing what we can: working with churches and with relatives in Flint.

Tomorrow, we will pull additional water samples from several places, and run those through an EPA certified lab. I expect that we'll have data that shows we can pull water directly from the Flint River, run it through our purifier, and have 100% of all pathogens destroyed, zero lead, zero arsenic, etc. Plus a few more tests from various Flint tap water sources. Of course, with 0.5 micron filtration and 72k mV/cm**3/sec, no pathogen can survive. EPA certified lab tests from multiple states can document that. In addition, the science is well understood. But we'll do it – yet again – with a lab in Michigan, using Flint water sources – in order to try to increase the chances that the gov't people in charge of the fix will pay attention.

Can you or your designee get on a phone call, no recording, no press, just you, me and Peter Nelson, explain where your "fix" is really, and use the engineering resources of Cal Water to help out?

Wishing you continued good luck. What happened in 2014 and in 2015 can't be changed. Going forward, it's about stopping all additional lead contamination, and making the water 100% safe to drink/shower in/etc for the people in the Flint Muni water district.
John Novitsky
Woodside, Ca
Cell #

Partly on behalf of www.merlinecocolutions.com , my brother's company. I don't get paid a penny.

MSP-EOC-MDTMB

From: Wolfinger, Carol (MSP)
Sent: Wednesday, January 27, 2016 11:13 AM
To: MSP-seoclgc; Galbreath, Wendy (MSP); Nobach, Tonya (MSP); MSP-EOC-MDTMB; MSP-EOC-MDCORTNS
Subject: American Logisitics Aid Network

Importance: High

I have been in touch with this organization to provide fork lifts for the warehouse and pallet jacks for the PODs (DONATED!!!!)

I did give them Bonnie's number to ensure they will be providing exactly what we need at the warehouse. They will get back with me on their delivery timeframe soon.
I would suggest we use this resource over renting – they depend on corporate donors for funding and are looking to support us in any way that has been identified.

They also provide warehouse space and trucking ----(LET me know if you need these things and I can ask for the warehouse and trucks as well)

http://alanaid.org/

Carol A. Wolfinger
Training and Exercise Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
7426 Osborn
Lansing, MI 48913
Phone: 517-636-0734
MX:
FX: 517-322-6442

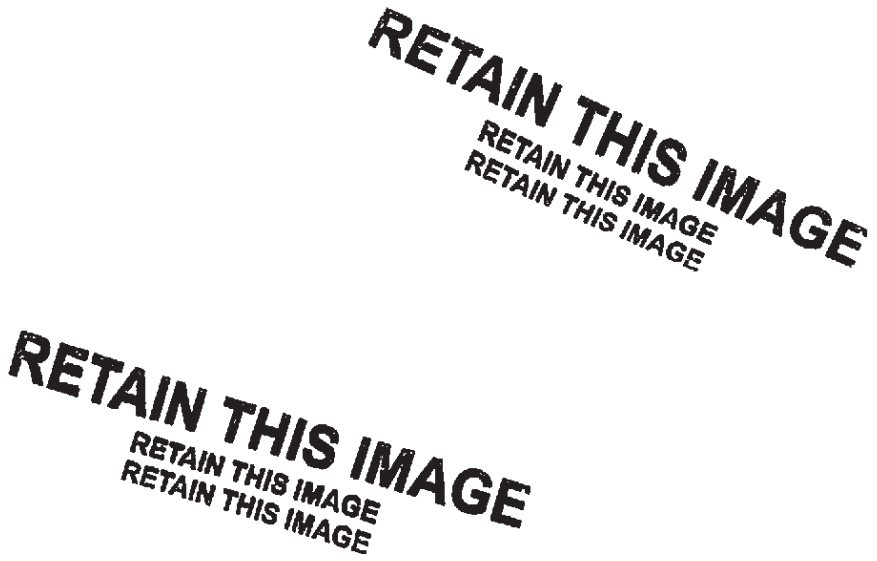
PLEASE NOTE: Effective February 1, 2016, the Training and Exercise Unit/Preparedness and Training Section/Emergency Management and Homeland Security Divsion is moving.
My new contact information will be:

Phone: 517-284-3938
Fax: 517-284-3857

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
PO Box #30634
Lansing, Michigan 48909

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"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MSP-EOC-MDTMB

From: MSP-EOC-MDSP
Sent: Wednesday, January 27, 2016 11:08 AM
To: Strenger, Joshua; Horhn, Mardella (MSP); Ikemba, Uche
Cc: MSP-EOC-MDTMB; Porcello, James (MSP)
Subject: RE: SAFETY AT THE EOC

You're welcome. I look forward to working with your team as well.

Thank you,
Spl/Lt. Mardella Horhn

From: Strenger, Joshua [mailto:joshua.strenger@fema.dhs.gov]
Sent: Wednesday, January 27, 2016 10:56 AM
To: MSP-EOC-MDSP; Horhn, Mardella (MSP); Ikemba, Uche
Cc: MSP-EOC-MDSP; MSP-EOC-MDTMB; Porcello, James (MSP)
Subject: RE: SAFETY AT THE EOC

Thanks, much appreciated. We look forward to working together.

Joshua M. Strenger
Disaster Safety Assistant Cadre Manager

Disaster Safety Operations Branch (DSOB)
Safety, Health, and Medical Readiness Division (SHMR)
Office of the Chief Administrative Officer (OCAO)
Federal Emergency Management Agency (FEMA)
U.S. Department of Homeland Security (DHS)

Office: 202-646-4602
Mobile:
Joshua.Strenger@FEMA.DHS.GOV

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From: MSP-EOC-MDSP
Sent: Wednesday, January 27, 2016 10:44:56 AM
To: Strenger, Joshua; Horhn, Mardella (MSP); Ikemba, Uche
Cc: MSP-EOC-MDSP; MSP-EOC-MDTMB; Porcello, James (MSP)
Subject: RE: SAFETY AT THE EOC

Joshua,

I left three printed documents on your chair in the office you are using at the Collins Road Facility. These emergency documents are for the new SEOC. The documents I left in your office are as follows: Lansing Area DTMB (Department of Management & Budget) Emergency Preparedness Guide, DTMB Facilities-Emergency Information (this document will be printed in orange and posted throughout the facility) and How to respond to an Active Shooter.

I am currently working on getting electronic copies of these documents along with an electronic copy of the floor plan for the facility.

Please let me know if this is the information you needed, once you have had the opportunity to review them.

Thank you,
Spl/Lt. Mardella Horhn
SEOC Safety Officer
C#

From: Strenger, Joshua [mailto:joshua.strenger@fema.dhs.gov]
Sent: Wednesday, January 27, 2016 9:11 AM
To: MSP-EOC-MDSP; Horhn, Mardella (MSP); Ikemba, Uche
Subject: SAFETY AT THE EOC

Good morning,

Pleasure meeting you. Myself as well as Uche Ikemba are the FEMA Safety Officials assigned to EM-3375-MI. We were hoping to touch base with the States Safety Official. We are trying to locate any Emergency Occupant Plans for the new EOC building. Any help you can give us would be great.

Thank you,

Josh

Joshua M. Strenger
Safety
EM-3375-MI

Disaster Safety Assistant Cadre Manager
Disaster Safety Operations Branch (DSOB)
Safety, Health, and Medical Readiness Division (SHMR)
Office of the Chief Administrative Officer (OCAO)
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Office: 202-646-4602
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From: MSP-EOC-MDSP [mailto:MSP-EOC-MDSP@michigan.gov]
Sent: Wednesday, January 27, 2016 8:46 AM
To: Strenger, Joshua
Subject:

Test

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MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 11:01 AM
To: Cook, Rebecca (DTMB)
Cc: MSP-EOC-MDTMB
Subject: FW: Next Step

Importance: High

Rebecca –

We received the following email and would like to make sure we are providing accurate information. Please review and we can talk.

Jeanette

From: MSP-SEOCPIO

Importance: High

Can you check with DTMB on this. Tori Sachs with the Gov's Office was considering adding a button on www.helpforflint.com to capture vendors who want to pitch their product/idea; however, last I talked with her, there were concerns about violating state procurement processes.

Maybe DTMB has an email account already established for people who want to do business with the state? This is what FEMA has on their website for disasters.

Seems to me this should be handed off to DTMB procurement for a solution.

From: DeVriendt, Chris [CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, January 27, 2016 7:33 AM
To: JICManager; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: FW: Next Step

Can someone please address this. If there is going to be zero communication with 'vendors', then there needs to be a canned response indicating such. I spend an inordinate amount of time with these missives as they are coming into my work e-mail, calling the LEOC phones, and showing up at the LEOC doorstep pitching their solutions because nobody is communicating with them.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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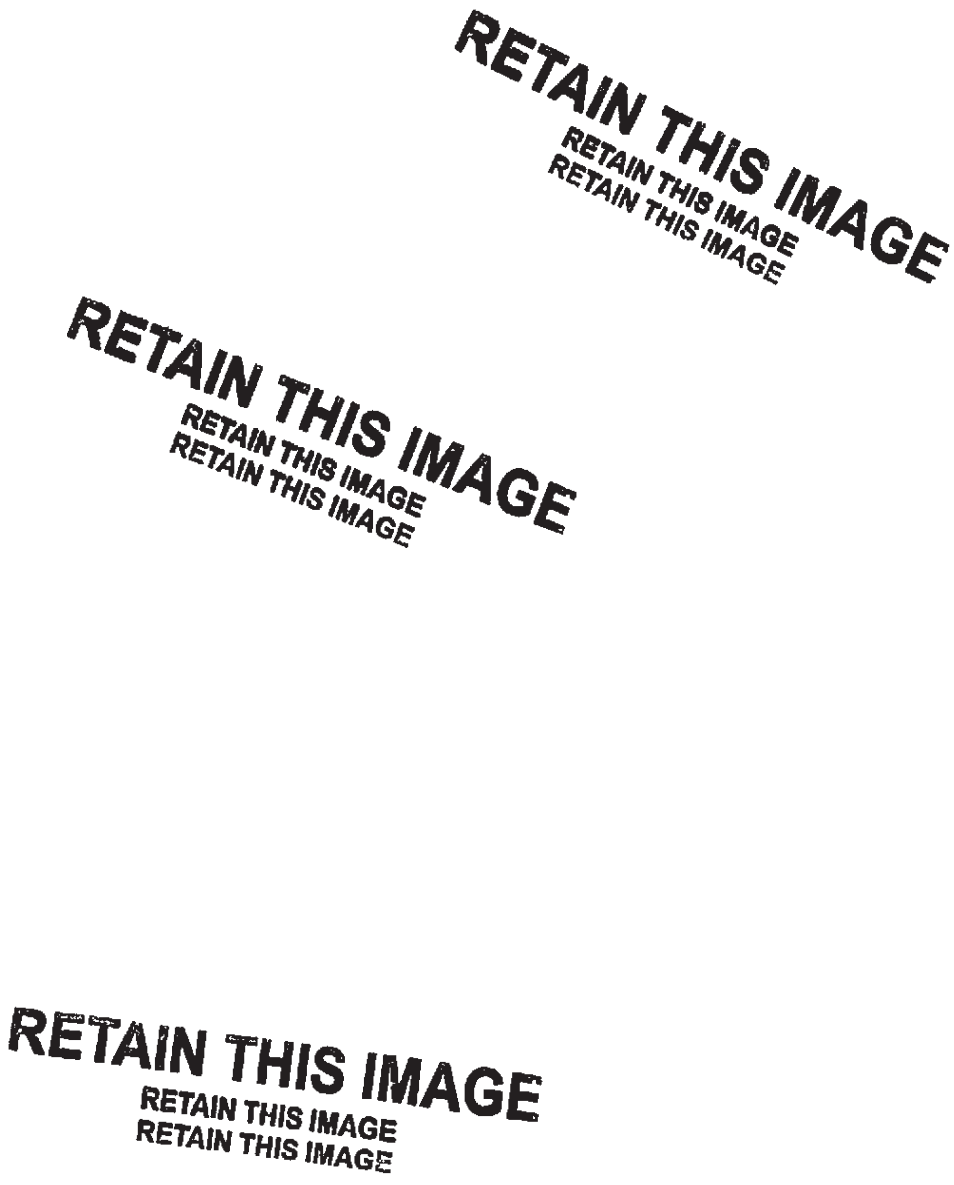

MSP-EOC-MDTMB

From: Strenger, Joshua <joshua.strenger@fema.dhs.gov>
Sent: Wednesday, January 27, 2016 10:56 AM
To: MSP-EOC-MDSP; Horhn, Mardella (MSP); Ikemba, Uche
Cc: MSP-EOC-MDSP; MSP-EOC-MDTMB; Porcello, James (MSP)
Subject: RE: SAFETY AT THE EOC

Thanks, much appreciated. We look forward to working together.

Joshua M. Strenger
Disaster Safety Assistant Cadre Manager

Disaster Safety Operations Branch (DSOB)
Safety, Health, and Medical Readiness Division (SHMR)
Office of the Chief Administrative Officer (OCAO)
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From: MSP-EOC-MDSP
Sent: Wednesday, January 27, 2016 10:44:56 AM
To: Strenger, Joshua; Horhn, Mardella (MSP); Ikemba, Uche
Cc: MSP-EOC-MDSP; MSP-EOC-MDTMB; Porcello, James (MSP)
Subject: RE: SAFETY AT THE EOC

Joshua,

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Thank you,
Spl/Lt. Mardella Horhn
SEOC Safety Officer
C#.

From: Strenger, Joshua [mailto:joshua.strenger@fema.dhs.gov]
Sent: Wednesday, January 27, 2016 9:11 AM
To: MSP-EOC-MDSP; Horhn, Mardella (MSP); Ikemba, Uche
Subject: SAFETY AT THE EOC

Good morning,

Pleasure meeting you. Myself as well as Uche Ikemba are the FEMA Safety Officials assigned to EM-3375-MI. We were hoping to touch base with the States Safety Official. We are trying to locate any Emergency Occupant Plans for the new EOC building. Any help you can give us would be great.

Thank you,

Josh

Joshua M. Strenger
Safety
EM-3375-MI

Disaster Safety Assistant Cadre Manager

Disaster Safety Operations Branch (DSOB)
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---

From: MSP-EOC-MDSP [mailto:MSP-EOC-MDSP@michigan.gov]
Sent: Wednesday, January 27, 2016 8:46 AM
To: Strenger, Joshua
Subject:

Test

MSP-EOC-MDTMB

From: MSP-EOC-MDSP
Sent: Wednesday, January 27, 2016 10:45 AM
To: Strenger, Joshua; Horhn, Mardella (MSP); Ikemba, Uche
Cc: MSP-EOC-MDSP; MSP-EOC-MDTMB; Porcello, James (MSP)
Subject: RE: SAFETY AT THE EOC

Joshua,

I left three printed documents on your chair in the office you are using at the Collins Road Facility. These emergency documents are for the new SEOC. The documents I left in your office are as follows: Lansing Area DTMB (Department of Management & Budget) Emergency Preparedness Guide, DTMB Facilities-Emergency Information (this document will be printed in orange and posted throughout the facility) and How to respond to an Active Shooter.

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Please let me know if this is the information you needed, once you have had the opportunity to review them.

Thank you,
Spl/Lt. Mardella Horhn
SEOC Safety Officer
C#

From: Strenger, Joshua [mailto:joshua.strenger@fema.dhs.gov]
Sent: Wednesday, January 27, 2016 9:11 AM
To: MSP-EOC-MDSP; Horhn, Mardella (MSP); Ikemba, Uche
Subject: SAFETY AT THE EOC

Good morning,

Pleasure meeting you. Myself as well as Uche Ikemba are the FEMA Safety Officials assigned to EM-3375-MI. We were hoping to touch base with the States Safety Official. We are trying to locate any Emergency Occupant Plans for the new EOC building. Any help you can give us would be great.

Thank you,

Josh

Joshua M. Strenger
Safety
EM-3375-MI

Disaster Safety Assistant Cadre Manager

Disaster Safety Operations Branch (DSOB)
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From: MSP-EOC-MDSP [mailto:MSP-EOC-MDSP@michigan.gov]
Sent: Wednesday, January 27, 2016 8:46 AM
To: Strenger, Joshua
Subject:

Test

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 10:18 AM
To: Cischke, Roy (DTMB)
Cc: MSP-EOC-MDTMB
Subject: RE: vans

Hi Roy –

I am having someone pick up the one from the dealership and another one at the county building brought to the warehouse. Once I am notified this is complete, I will call Bob to get them picked up. Okay?

Jeanette

From: Cischke, Roy (DTMB)
Sent: Wednesday, January 27, 2016 8:18 AM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: vans

Hey Jeanette,

Whats happening with the vans?

MSP-EOC-MDTMB

From: Cook, Rebecca (DTMB)
Sent: Wednesday, January 27, 2016 9:47 AM
To: Doll, Jeanette (DTMB)
Cc: Towne, Karen (LARA); MSP-EOC-MDTMB; Droste, LeAnn (LARA)
Subject: RE: LARA Water Program

Jeanette

LeAnn and I already spoke while I waited for your email. She will help me coordinate any questions/conversations with Karen. I also have already given Jeff/CPO a preliminary briefing in case his support is needed at any point.

LeAnn has my cell and I will bump any meetings today to facilitate conversation/resolution for LARA's needs.

Rebecca
Cell

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 9:38 AM
To: Cook, Rebecca (DTMB) <CookR6@michigan.gov>
Cc: Towne, Karen (LARA) <TowneK2@michigan.gov>; MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>; Droste, LeAnn (LARA) <drostel1@michigan.gov>
Subject: LARA Water Program

Hi Rebecca –

Could you reach out to LeAnn Droste regarding LARA's water faucet replacement plan? Her desk line is 373-3847.

Thank you!

Jeanette

Jeanette Doll, Professional Emergency Manager
MI Dept. of Technology, Management & Budget
Emergency Management Coordinator
(517) 373-2231 Office
Cell

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 9:46 AM
To: MSP-EOC-MDEQ
Cc: MSP-EOC-MDTMB
Subject: FW: Bluewater water purifiers help Flint
Attachments: BLU_CoroporateCatalog_JT_v15small.pdf

Could we have someone look into the water purifier (attached) to see if it meets NSF standards? The unit was already installed in a couple locations within Flint (below) and would like to make sure the unit will not need to be replaced.

Thank you –

Jeanette

From: Cook, Rebecca (DTMB)
Sent: Tuesday, January 26, 2016 6:10 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: FW: Bluewater water purifiers help Flint

Jeanette

As we previously discussed, you are my contact to triage and route external inquiries. Bluewater called me this morning, and I requested an email with more information.

It is unclear to me whether this unit meets the standards used for the faucet water filter sourcing. Can a resource be identified to check? If not, someone may want to consider reaching out to the two locations that received donated units.

Thanks for routing this into the correct hands.

Rebecca

From: Lin Guo [mailto:ag@bluewater.se]
Sent: Tuesday, January 26, 2016 4:27 PM
To: Cook, Rebecca (DTMB) <CookR6@michigan.gov>
Cc: Niclas Wullt <nw@bluewater.se>; David Noble <dn@bluewater.se>; Daniel Hertzberg <dh@bluewater.se>; Kim Börjesson <kb@bluewater.se>
Subject: Bluewater water purifiers help Flint

Hi Rebecca,

It was nice talking to you this morning, we will appreciate if you can read this email and forward to related team who in charge of procurement for Flint water crisis.

Bluewater is a Swedish company that has innovated a patented second-generation reverse osmosis technology which turns tap water into healthier drinking water by removing up to 99% of almost all known water-borne contaminants; plus, cuts the water wastage common to traditional reverse osmosis systems by up to 82%.

Bluewater has been selling in the USA for the past 18 months, based out of Overland Park, Kansas, where we also have our warehouse that serves customers across the United States. We are a sister company to Blueair, which is one of the major air purifier companies in the United States, based out of Chicago.

Last week saw us donate and install two of our high performance water purifiers in Flint, Michigan, in response to their crisis as our water purifiers excel at removing lead and other toxic metals from residential drinking water. While we applaud people donating water bottles, it is only a short term solution, whereas as water purifiers are both a short-term and a long term solution.

One Bluewater Pro machine was installed at the Community Center at Catholic Charities of Shiawassee and Genesee Counties, where they serve 1,000 meals every day to local residents. The other unit was installed at Shelter of Flint, the largest shelter at Flint.

Both units were installed by Bluewater's Product Manager who traveled to Flint personally. FYI, many bottled water brands in the USA use reverse osmosis to purify their water. Using a Bluewater unit is a cheaper long-term option that also contributes to a better environment because they negate the need for plastic bottles as they deliver purifier water 'on demand'. (a side note, as you may already know, "Pepsi Admits That Its Aquafina Bottled Water is Just Tap Water, Coca-Cola's Dasani Is Next" see news of today http://healthycures.org/pepsi-admits-that-its-aquafina-bottled-water-is-just-tap-water-coca-colas-dasani-is-next

The Bluewater Pro400 reverse osmosis water purifiers we donated to Flint can produce 52 gallons of purified water per hour, which means we can supply 2,700 people a total of two liters of clean water free of lead and other toxic metals every day. This translates into saving 4,800 one-liter bottles being put into the environment every day!

The compact Pro is designed for professional use, in restaurants, hotels, schools, hospitals and laboratories. Installing just 38 of our units in Flint would deliver the 100,000 residents two liters of totally clean water every day - meeting their basic daily human health need for drinking water.

Bluewater harnesses our own patented second-generation reverse osmosis technology, which removes practically all toxic contamination from tap drinking water including lead. The other contaminates we remove include other heavy metals, pesticides, medical residues, and dioxins and petro chemicals.

What also makes our water purifiers unique is that our unique technology ALSO radically increases the efficiency of water treatment, which translates into a Bluewater unit using 82% less water to generate clean water than a traditional reverse osmosis unit.

Reverse osmosis technology purifies water by forcing untreated water through a semi-permeable filter or 'membrane'. Bluewater membranes will block toxic metals and chemicals down to 0.0001 micron (that's 500,000 times smaller than a human hair). Our technology also delivers water 'on-demand', which means no need for a holding tank

As a business, we cannot afford to donate an endless number of units free to Flint, but due to the special nature of the situation (and the fact that most of us are parents of small children and have huge sympathy for those impacted by the crisis) we want to step up even more by offering Michigan State prices that are very substantially discounted. In fact, we want to offer you a one-off purchase opportunity that sees us offering you our products at the manufacturing price (i.e. we make no margin on the deal).

This would see the products we recommend you consider coming in at:

Pro 400C-HF(high flow) (this is the model we donated to Flint) $1920 + shipping
(suitable for professional use, hospitals, labs, restaurant, coffee shop, office building)
- Superior Osmosis Technology
- Direct flow, no need of tank
- Capacity up to 52 gallon per hour
- Clean water delivery rate of 52 gallon per hour
- Cleaning brackish water, up to 7500 ppm
- water quality monitor
- Calibration of cleanliness
- Advanced leak protection system
-Clean water per kWh: 433L/kWh (114.3gallon/kWh)
-Clean water rate: 222L/hour (58.6 gallons/hour)
-Dimensions: 225 x 466 x 460mm (8.9 x 18.3 x 18.10 inch)
-Weight: 29kgs (64lb)
-Water recovery rate: 60-70%

The other two models we could consider as an alternative (the only difference is that the water flow is less powerful) are:

Spirit 300-HF(high flow) $1350 + shipping
Compact design that fits into any contemporary kitchen
- Designed for Municipal water
- Superior Osmosis Technology
- Capacity up to 43.2 gallon per hour
- Director Flow, no need of tank
- Extra compact Design
- Advanced leak protection system
- Clean water per KWh: 377L/kWh (99.5 gallons/kWh)
- Clean water rate: of 99L/hour (26.2 gallons/hour)
- Dimensions: 150 x 462 x 365 mm(5.9 x 18.2 x 14.4 inches)
- Weight: 15 kgs (33lb)
- Water recovery rate: 40-60%

Spirit 300Cp-HR(high rejection) $1500 + shipping
Compact design that fits into any contemporary kitchen, can connect to dish washer, coffee maker, ice machine/refrigerator
- Designed for Municipal water
- Superior Osmosis Technology
- Capacity up to 43.2 gallon per hour
- Director Flow, no need of tank
- Extra compact Design
- Advanced leak protection system
- Clean water per KWh: 377L/kWh (99.5 gallons/kWh)
- Clean water rate: of 99L/hour (26.2 gallons/hour)
- Dimensions: 150 x 462 x 365 mm(5.9 x 18.2 x 14.4 inches)
- Weight: 15 kgs (33lb)
- Water recovery rate: 40-60%

Please do not hesitate to get back if there is anything additional information you need from us. Attached is our catalog and photo how it looks in the kitchen.

Here are two reference you can contact at Flint, they are using our donated water purifiers now for producing pure water

Liz Ruediger
Director of Operations & Development
Shelter of Flint
605 N. Saginaw Street, Suite 2A
Flint, MI 48502

Shegos, Sheila sshegos@ccsgc.org

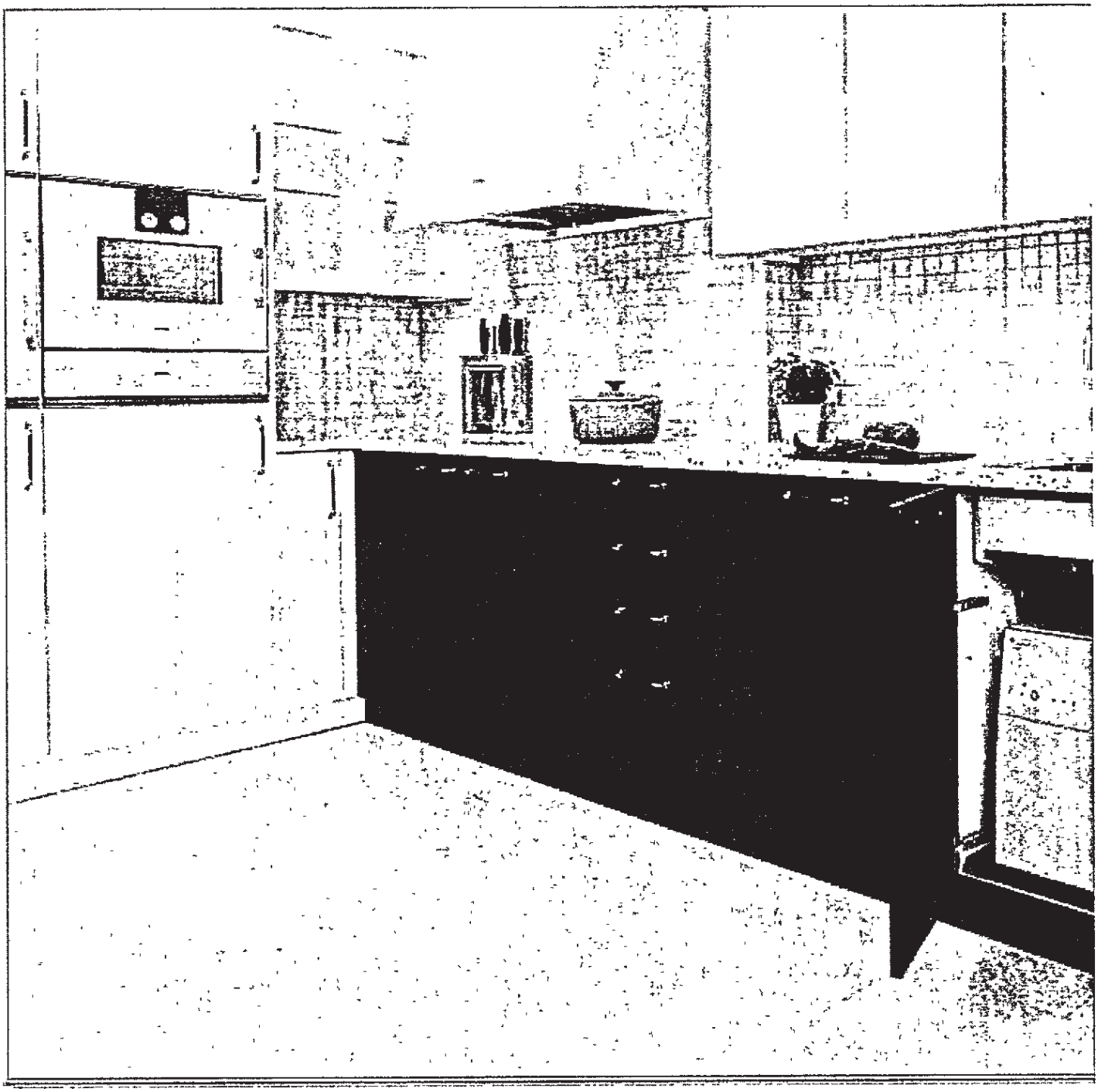
Catholic Charities of Shiawassee and Genesee Counties
901 Chippewa St.
Flint, MI 48503
www.ccsgc.org

To discover more about us at Bluewater, please visit us at www.bluewatergroup.com

I look forward to hearing from you and let's help Flint together.

Best Regards
Lin

Lin Guo
National Sales Representative | Bluewater USA Inc
Tel: +1 844 225 8392 (1-844-2Bluewater)
Cell:· E ag@bluewatergroup.com
7603 W 145th Terrace,Overland Park, Kansas 66223, USA
Headquarter
Bluewater Group
Danderydsgatan 11, 114 26 Stockholm, Sweden
www.bluewatergroup.com
Turning tap water into healthier drinking water



MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 9:38 AM
To: Cook, Rebecca (DTMB)
Cc: Towne, Karen (LARA); MSP-EOC-MDTMB; Droste, LeAnn (LARA)
Subject: LARA Water Program

Hi Rebecca –

Could you reach out to LeAnn Droste regarding LARA's water faucet replacement plan? Her desk line is 373-3847.

Thank you!

Jeanette

Jeanette Doll, Professional Emergency Manager
MI Dept. of Technology, Management & Budget
Emergency Management Coordinator
(517) 373-2231 Office
Cell

DTMB
HELP. CONNECT. SOLVE.

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 9:34 AM
To: MSP-EOC-MDEQ
Cc: MSP-EOC-MDTMB
Subject: FW: ConHall Access and Parking
Attachments: Allegan LL.pdf; Allegan UL.pdf

All set. See attached map.

The DEQ ECC has been activated as of 8a 1/26. The following individuals have been assigned to the incident for a 2 week deployment and will need 24hour access to Constitution Hall and the CH-ATS-QUALITY-OF-LIFE-ECC conference room. I am also requested access to the Allegan Ramp for random reserve parking:

Daniel Heckman
Jennifer Burnham
Rich Ahnen
Sue Sobieski
Paige Perry
Keith Murphy

Jeanette

MSP-EOC-MDTMB

From: MSP-SEOCPIO
Sent: Wednesday, January 27, 2016 9:32 AM
To: MSP-EOC-MDTMB
Subject: FW: Next Step

Importance: High

Good morning! Can you please provide input/recommendations on how the below should proceed....

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Banner, Shanon (MSP)
Sent: Wednesday, January 27, 2016 9:28 AM
To: MSP-SEOCPIO
Subject: FW: Next Step
Importance: High

Hi Kevin,

Can you check with DTMB on this. Tori Sachs with the Gov's Office was considering adding a button on www.helpforflint.com to capture vendors who want to pitch their product/idea; however, last I talked with her, there were concerns about violating state procurement processes.

Maybe DTMB has an email account already established for people who want to do business with the state? This is what FEMA has on their website for disasters.

Seems to me this should be handed off to DTMB procurement for a solution.

Thanks,
Shanon

From: DeVriendt, Chris [CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, January 27, 2016 7:33 AM
To: JICManager; MSP-seoclgc; Adelman, Mitch (DEQ)
Cc: Kuzera, Michelle (MSP); Ducharme, Mark (DEQ)
Subject: FW: Next Step

Can someone please address this. If there is going to be zero communication with 'vendors', then there needs to be a canned response indicating such. I spend an inordinate amount of time with these missives as they are coming into my work e-mail, calling the LEOC phones, and showing up at the LEOC doorstep pitching their solutions because nobody is communicating with them.

Chris DeVriendt, LVT, MPH
Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502

(810) 257-3064(direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

DISCLAIMER: The information in this message is confidential and may be legally privileged. It is intended for the addressee. Access to this message by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, or distribution of the message, or any action or omission taken by you in reliance on it, is prohibited and may be unlawful. Please immediately contact the sender if you have received this message in error. Thank you.

From: John Novitsky [mailto:jnovitsky@sbcglobal.net]
Sent: Wednesday, January 27, 2016 1:16 AM
To: DeVriendt, Chris
Subject: Next Step

Chris-
We (many people in Silicon Valley) would like to help, and we keep trying to work with the people trying to solve the Flint water crisis. MSU Alumni Assoc in NorCal is now engaged. So is the Chairman of the Board of Cal Water, Peter Nelson, the #6 largest public utility in the USA.

We keep getting zero feedback, no guidance, so we are doing what we can: working with churches and with relatives in Flint.

Tomorrow, we will pull additional water samples from several places, and run those through an EPA certified lab. I expect that we'll have data that shows we can pull water directly from the Flint River, run it through our purifier, and have 100% of all pathogens destroyed, zero lead, zero arsenic, etc. Plus a few more tests from various Flint tap water sources. Of course, with 0.5 micron filtration and 72k mV/cm**3/sec, no pathogen can survive. EPA certified lab tests from multiple states can document that. In addition, the science is well understood. But we'll do it – yet again – with a lab in Michigan, using Flint water sources – in order to try to increase the chances that the gov't people in charge of the fix will pay attention.

Can you or your designee get on a phone call, no recording, no press, just you, me and Peter Nelson, explain where your "fix" is really, and use the engineering resources of Cal Water to help out?

Wishing you continued good luck. What happened in 2014 and in 2015 can't be changed. Going forward, it's about stopping all additional lead contamination, and making the water 100% safe to drink/shower in/etc for the people in the Flint Muni water district.
John Novitsky
Woodside, Ca
Cell #

Partly on behalf of www.merlinecocolutions.com , my brother's company. I don't get paid a penny.

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 8:58 AM
To: MSP-EOC-MDTMB
Subject: FW: ConHall Access and Parking
Attachments: Allegan LL.pdf; Allegan UL.pdf

All set. See attached map.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: Tefft, Niki (DTMB)
Sent: Wednesday, January 27, 2016 8:52 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: RE: ConHall Access and Parking

The random parking is currently full and I am afraid adding additional parkers will cause issues.

I have attached a map with 5 spaces designated on the lower level and 1 on the upper level underneath the Austin building.

Spaces have been assigned and maps attached:

Daniel Heckman
Jennifer Burnham
Rich Ahnen
Sue Sobieski
Paige Perry
Keith Murphy

I have added Allegan Ramp 24/7 access to each of their cards.

Thank you,

Niki Tefft, Crew Leader
DTMB- Cybersecurity & Infrastructure Protection
Customer Service Center & Parking
Office: 517.373.3420
Fax: 517.241.4658

DTMB
HELP. CONNECT. SOLVE.

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 8:21 AM
To: Tefft, Niki (DTMB)
Subject: FW: ConHall Access and Parking

Niki,

I'll need parking for the individuals below asap. Please and thank you!

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 6:58 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>; Philip, Brandon (DTMB) <philipb@michigan.gov>
Subject: ConHall Access and Parking

Ryan –
The following personnel need access to ConHall and parking in the ramp. Please let me know when this is all set. Request was for:
The DEQ ECC has been activated as of 8a 1/26. The following individuals have been assigned to the incident for a 2 week deployment and will need 24hour access to Constitution Hall and the CH-ATS-QUALITY-OF-LIFE-ECC conference room. I am also requested access to the Allegan Ramp for random reserve parking:

Daniel Heckman
Jennifer Burnham
Rich Ahnen
Sue Sobieski
Paige Perry
Keith Murphy

Thank you!

Jeanette

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 27, 2016 8:48 AM
To: Bailey, Maureen (DTMB)
Cc: MSP-EOC-MDTMB
Subject: Warehouse Survey
Attachments: Warehouse Survey 160125.docx

Maureen –

Vacant Kroger store at 2629 Pierson Road
Owner is Ramsey Sadek (989) 631-6355
$9,250 ($1.50 square foot per year) plus maintenance fees

Warehouse has one loading dock with three bays
Shelving units still in place
Coolers
Two fork lifts
Second floor with conference rooms

Lt. Mark Russo is conducting a site walk-thru this morning at 10 AM

Attached are the locations that FEMA looked at. I don't think any of them work but the first one, however, I think they said it is demolished. FEMA said they can't tell costs or anything because it has to be negotiated. What do you think?

Thank you!

Jeanette

MSP-EOC-MDTMB

From: Miller, Mark (DTMB)
Sent: Wednesday, January 27, 2016 8:36 AM
To: MSP-EOC-MDTMB
Subject: RE: Word Documents to Translate
Attachments: 43264.pdf

Estimate attached.

We are looking to get the file for the water testing form back this morning.
We will print today and have on the truck for flint in the morning.

Brochures are on press, trying to get them done as well.

Mark Miller
Print & Mail Consultant
Printing Services
General Services Building
7461 Crowner Dr
Lansing MI 48913
P-517-322-6455
F-517-322-5968

DTMB
HELP. CONNECT. SOLVE.

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 7:01 AM
To: Miller, Mark (DTMB) <millerm13@michigan.gov>
Cc: MSP-EOC-MDTMB <MSP-EOC-MDTMB@michigan.gov>
Subject: Word Documents to Translate

Mark –

Attached are the WORD documents that we need translated into Spanish. Please let me know what the turnaround time and cost when completed will be.

Thank you!

Jeanette

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Wednesday, January 27, 2016 8:02 AM
To: Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: FW: FEMA work area
Attachments: IMG_0191.jpg

FYI.

Thank you,

Ryan McKee
DTMB Cybersecurity & Infrastructure Protection Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

-----Original Message-----
From: Walts, Brian (DTMB)
Sent: Wednesday, January 27, 2016 7:50 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: FEMA work area

Good Morning Ryan,

This is a picture showing how the FEMA work area turned out. Thought you might want a look. This break out/work area is in the same area as the conference rooms they are working in. Let's us know if you hear of any more needs from the on site team.

Brian

MSP-EOC-MDTMB

From:	MSP-EOC-MDTMB
Sent:	Wednesday, January 27, 2016 7:01 AM
To:	Miller, Mark (DTMB)
Cc:	MSP-EOC-MDTMB
Subject:	Word Documents to Translate
Attachments:	Lead sheet cover letter - Holton JIC Jan 14 2016.docx; Parent Letter FINAL.docx; Provider Letter FINAL.docx; Adding Phosphate to Flint Water.docx

Mark –

Attached are the WORD documents that we need translated into Spanish. Please let me know what the turnaround time and cost when completed will be.

Thank you!

Jeanette

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Wednesday, January 27, 2016 6:58 AM
To: McKee, Ryan (DTMB)
Cc: MSP-EOC-MDTMB; Philip, Brandon (DTMB)
Subject: ConHall Access and Parking

Ryan –
The following personnel need access to ConHall and parking in the ramp. Please let me know when this is all set. Request was for:
The DEQ ECC has been activated as of 8a 1/26. The following individuals have been assigned to the incident for a 2 week deployment and will need 24hour access to Constitution Hall and the CH-ATS-QUALITY-OF-LIFE-ECC conference room. I am also requested access to the Allegan Ramp for random reserve parking:

Daniel Heckman
Jennifer Burnham
Rich Ahnen
Sue Sobieski
Paige Perry
Keith Murphy

Thank you!

Jeanette

MSP-EOC-MDTMB

From: MSP-seoclgc
Sent: Tuesday, January 26, 2016 6:04 PM
To: MSP-EOC-MDTMB
Cc: MSP-EOC-MDHS
Subject: FW: Word Documents to Translate (resource/task request---SEOC - 2547593)
Attachments: Lead sheet cover letter - Holton JIC Jan 14 2016.docx; Parent Letter FINAL.docx; Provider Letter FINAL.docx; Adding Phosphate to Flint Water.docx

Attached are the MSWord versions of the documents to be translated to spanish.

MI-CIMS restricts me from attaching all of them

From: Eisner, Jennifer (DHHS)
Sent: Tuesday, January 26, 2016 3:48 PM
To: Lixey-Terrill, Jennifer (DHHS)
Cc: checcdeptcoor; MSP-seoclgc
Subject: Word Documents to Translate

Hi Jennifer, and SEOC team:

Attached are the documents I have right now in Word form, to be translated:

Under the "In Your Body Tab":
-Letter for Flint Parents
-Letter for Healthcare Providers
-Letter to Food Establishments

Still waiting to track down these:
-Adding Phosphate to Water
-Blood Lead Level Quick Reference for Primary Care Providers

Would be great if we could move forward with the first three.

Thank you,

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov
Cell:

MSP-EOC-MDTMB

From: Christensen, Chris (DTMB)
Sent: Tuesday, January 26, 2016 5:47 PM
To: Kelenske, Chris (MSP)
Cc: Buhs, Caleb (DTMB); McKee, Ryan (DTMB); Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: Purchasing

DTMB has procedures and processes in place for agencies to follow when purchasing using state contracts. During emergencies, we utilize existing contracts when possible and also follow protocols in place for emergency purchase.

MSP-EOC-MDTMB

From: Tillung, Todd <todd.tillung@fema.dhs.gov>
Sent: Tuesday, January 26, 2016 3:08 PM
To: MSP-EOC-MDTMB
Subject: RE: FEMA Badges - New MI State EOC

Awesome!!! Thank you!!!

Deputy FSC
EM 3375 – Lansing MI
(Contaminated Water Event)

Michigan State Police Emergency Operations Center
4000 Collins Rd, Lansing, MI 48910
USNG: 16T GN 04701 29578

From: MSP-EOC-MDTMB [mailto:MSP-EOC-MDTMB@michigan.gov]
Sent: Tuesday, January 26, 2016 3:06 PM
To: Tillung, Todd
Subject: RE: FEMA Badges - New MI State EOC

Todd –
I spoke with MSP-EMHSD and they will have badges for your personnel on Thursday.

Jeanette

From: Tillung, Todd [mailto:todd.tillung@fema.dhs.gov]
Sent: Tuesday, January 26, 2016 2:22 PM
To: MSP-EOC-MDTMB
Cc: Tillung, Todd
Subject: FEMA Badges - New MI State EOC

Jeanette,

Following up our discussion a few minutes ago. We have new people arriving this week, so what information will you need since badges have been made already?

We will need a 21 badges as of right now.

Thanks!
Todd

Deputy FSC
EM 3375 – Lansing MI
(Contaminated Water Event)

Michigan State Police Emergency Operations Center

4000 Collins Rd, Lansing, MI 48910
USNG: 16T GN 04701 29578

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MSP-EOC-MDTMB

From: Tillung, Todd <todd.tillung@fema.dhs.gov>
Sent: Tuesday, January 26, 2016 2:22 PM
To: MSP-EOC-MDTMB
Cc: Tillung, Todd
Subject: FEMA Badges - New MI State EOC

Jeanette,

Following up our discussion a few minutes ago. We have new people arriving this week, so what information will you need since badges have been made already?

We will need a 21 badges as of right now.

Thanks!
Todd

Deputy FSC
EM 3375 – Lansing MI
(Contaminated Water Event)

Michigan State Police Emergency Operations Center
4000 Collins Rd, Lansing, MI 48910
USNG: 16T GN 04701 29578

MSP-EOC-MDTMB

From:	MSP-EOC-MDTMB
Sent:	Tuesday, January 26, 2016 2:09 PM
To:	McKee, Ryan (DTMB)
Cc:	MSP-EOC-MDTMB
Subject:	Flint Access
Attachments:	Kenneth Rathje Jr - Flint HHS Badge.jpg

Another FEMA person needing access

Kennetha Rathje Jr

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 26, 2016 1:42 PM
To: MSP-EOC-MDTMB
Subject: FW: Flint PCard Purchases
Attachments: Chris Christensen 01-16-2016 thru 01-22-2016.xls

---

From: Christensen, Chris (DTMB)
Sent: Tuesday, January 26, 2016 12:10 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>; McKee, Ryan (DTMB) <mckeer1@michigan.gov>
Subject: FW: Flint PCard Purchases

I am going to need you to put this information in please.

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell: (
Christensenc4@michigan.gov
DTMB
HELP. CONNECT. SOLVE.

From: Stansfield, Marsha (DTMB)
Sent: Tuesday, January 26, 2016 12:08 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Subject: RE: Flint PCard Purchases

Chris,

I need the description of what you purchased added to the attached spreadsheet.

Thank You.
Marsha

From: Christensen, Chris (DTMB)
Sent: Tuesday, January 26, 2016 11:53 AM
To: Stansfield, Marsha (DTMB) <StansfieldM@michigan.gov>
Subject: RE: Flint PCard Purchases

Is what I have supplied you what you need? Or is there additional things that I need to put together?

Chris Christensen
Director of Infrastructure Protection

Office: (517) 241-2188
Cell: [redacted]
Christensenc4@michigan.gov

DTMB
HELP. CONNECT. SOLVE.

From: Stansfield, Marsha (DTMB)
Sent: Tuesday, January 26, 2016 9:12 AM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Subject: RE: Flint PCard Purchases

Chris,

The DHHS Procurement Professional that Natalie sits on a team with requested the information. Since the person is asking for PCard related information, it is something that I would provide as the Statewide Procurement Card Administrator.

I would appreciate it if you would please supply the information I requested in my original email.
Thank you.
Marsha

From: Christensen, Chris (DTMB)
Sent: Monday, January 25, 2016 7:09 PM
To: Stansfield, Marsha (DTMB) <StansfieldM@michigan.gov>
Subject: RE: Flint PCard Purchases

Marsha,

We should talk about this, why you are having to provide that information to them. I mean it's very nice of you, it's just more work for you. All of the information is in the MICIMS program and if they go through the SEOC finance Chief Penny Berger she could give them all of this information. I have attached an example of the one of the purchases from my p-card.

Additionally because the information is already there I have a difficult time duplicating the efforts that we are doing at the SEOC.

Please let me know your thoughts

Thanks,

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell: [redacted]
Christensenc4@michigan.gov

DTMB
HELP. CONNECT. SOLVE.

From: Stansfield, Marsha (DTMB)
Sent: Monday, January 25, 2016 5:16 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Subject: RE: Flint PCard Purchases

Chris,

If you want to maintain two cards, that is okay with me. But please provide a description on the spreadsheet of what you purchased. DHHS is requesting the information. I will be running reports weekly for this.

Marsha

From: Christensen, Chris (DTMB)
Sent: Monday, January 25, 2016 5:14 PM
To: Stansfield, Marsha (DTMB) <StansfieldM@michigan.gov>
Subject: RE: Flint PCard Purchases

Marsha,

This is my emergency card and everything I use it for is the Flint emergency. I think that is why it's good for me to have 2 cards.

Thanks,

Chris Christensen
Director of Infrastructure Protection
Office: (517) 241-2188
Cell:
Christensenc4@michigan.gov

DTMB
HELP. CONNECT. SOLVE.

From: Stansfield, Marsha (DTMB)
Sent: Monday, January 25, 2016 4:22 PM
To: Christensen, Chris (DTMB) <christensenc4@michigan.gov>
Subject: Flint PCard Purchases

Good Afternoon, Chris.

Attached is a list of PCard purchases that posted between 1/16/2016-1/22/2016. Please review the purchases and mark in column J if it was for the Flint Water Issue. If it was for the Flint Water Issue please provide a description of what was purchased in column K. This information is being requested by DHHS.

Please reply as soon as possible.

Let me know if you have any questions.

Thank you.
Marsha

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 26, 2016 1:29 PM
To: MSP-EOC-MDTMB
Subject: FW: U-Haul Contract 81754538
Attachments: Receipt_81754538_1.gif

From: noreply@uhaul.com [mailto:noreply@uhaul.com]
Sent: Tuesday, January 26, 2016 1:20 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: U-Haul Contract 81754538

Dear Peter Kos,

Thank you for choosing U-Haul Company for your moving and storage needs. Your receipt is attached to this email.

Your opinion matters to U-Haul. Let us know how your moving experience went by reviewing your recent rental at uhaul.com/review. Your feedback, good or bad, on the service you received throughout the rental process will help us improve the moving experience for the next family.

If you have any questions or concerns about your moving experience or the attached receipt, please contact me at 752021_GM@uhaul.com

- I agree that all *legal* claims must be submitted in accordance with the U-Haul Arbitration Agreement, incorporated by reference, and available at uhaul.com/arbitration or from any local U-Haul representative.

MSP-EOC-MDTMB

From: MSP-SEOCPIO
Sent: Tuesday, January 26, 2016 12:46 PM
To: MSP-seoclgc
Cc: MSP-SEOCOPSC; Banner, Shanon (MSP); Hawks, Trevor (MSP); MSP-EOC-MDTMB
Subject: FW: FAQ - Flint Water - Spanish

Carol and Wendy-

I just spoke to Ryan and Jeanette with DTMB. They advised they can hire someone to translate this but that it needs to be approved/asked for by the Logistics Position.

Can you please approve this request so we can get it translated?

Thank you
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Banner, Shanon (MSP)
Sent: Tuesday, January 26, 2016 12:38 PM
To: MSP-SEOCPIO
Cc: Hawks, Trevor (MSP)
Subject: RE: FAQ - Flint Water - Spanish

Hi Kevin,

I'm going to need your help with this one. I thought the state already translated this Lead Fact Sheet into Spanish. I know we translated the palm card the water response teams are using. From the email chain it sounds like the United Way translated this document.

If we (the state) did not do it previously, then we need to send this document to whoever translated our palm cards and ask them to verify this is accurate. The JIC was not directly involved in the translation process so I'm not sure if it was done by DTMB or LARA.

Please let me know what you find out.
Thanks,
Shanon

From: MSP-SEOCPIO
Sent: Tuesday, January 26, 2016 10:58 AM
To: Banner, Shanon (MSP)
Subject: FW: FAQ - Flint Water - Spanish

Shanon-

As we discussed, what do you want done with this one?

Thanks
K

State Emergency Operations Center
Public Information Officer
517-324-2304

From: Roach, Billie Jo (MSP)
Sent: Tuesday, January 26, 2016 9:20 AM
To: MSP-SEOCOPSC; MSP-SEOCPIO; Kuzera, Michelle (MSP)
Subject: FW: FAQ - Flint Water - Spanish

Hi, FYI

From: Jamie Gaskin [mailto:jgaskin@unitedwaygenesee.org]
Sent: *Tuesday, January 26, 2016 8:00 AM*
To: DeVriendt, Chris; Brickey, Tamara; Valacak, Mark; Roach, Billie Jo (MSP); Thompson, Sheryl D. (DHHS)
Cc: Jamie-Lee Venable
Subject: FW: FAQ - Flint Water - Spanish

Team:

Over the weekend the local Latino community has come together to make sure un documented workers and non-English speaking individuals have the help they need. As part of their efforts they translated the water safety information themselves as the State of Michigan has failed to produce or make widely available this information in Spanish.

The attached is unofficial but at this time I have no other alternative to share. Please advise on how to get this officially reviewed and approved.

In addition it is important to note that 211 has a translation service that can accommodate more than 150 languages.

Jamie Gaskin
CEO
United Way of Genesee County
Phone: 810.762.0856| Cell:
jgaskin@unitedwaygenesee.org
111 E. Court St., Suite 3A, Flint, MI 48502

GIVE. ADVOCATE. VOLUNTEER.

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Tuesday, January 26, 2016 12:22 PM
To: Miller, Mark (DTMB)
Cc: Doll, Jeanette (DTMB); MSP-EOC-MDTMB
Subject: Print Order 4 of 4

Hi Mark –

30,000 Copies on 20# paper delivered to 630 S. Saginaw St., Ste. 4, Flint MI 48502.

Bill to index 71105.

Thank you

Jeanette

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Tuesday, January 26, 2016 12:19 PM
To: Miller, Mark (DTMB)
Cc: MSP-EOC-MDTMB; Doll, Jeanette (DTMB)
Subject: Print Order #3
Attachments: DEQ Flintwater-breastfeeding and Lead.pdf

Hi Mark –

Print order #3 of 4 –bill to index 71105

10,000 copies on 20# paper delivered to 630 S. Saginaw St., Ste. 4, Flint MI 48502.

Jeanette

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Tuesday, January 26, 2016 12:14 PM
To: Miller, Mark (DTMB)
Cc: MSP-EOC-MDTMB; Doll, Jeanette (DTMB)
Subject: Printing #2
Attachments: GC Lead and your Body Flint.pdf

Hi Mark –
Print order #2 of 4 – please bill all to index 71105.

We need 30,000 copies on 20# paper delivered to 630 S. Saginaw St., Ste. 4, Flint MI 48502.

Jeanette

MSP-EOC-MDTMB

From: MSP-EOC-MDTMB
Sent: Tuesday, January 26, 2016 11:59 AM
To: Miller, Mark (DTMB)
Cc: MSP-EOC-MDTMB; Doll, Jeanette (DTMB)
Subject: Printing
Attachments: GC Health Department FAQs.pdf

Hi Mark –

We need to have 30,000 copies printed on 20# paper delivered to 630 S. Saginaw St., Ste. 4, Flint MI 48502.

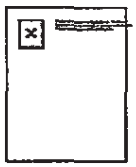
Let me know if you have any questions. We have additional printing order coming your way today.

Jeanette

MSP-EOC-MDTMB

From: Wolf, Jennifer (DNR)
Sent: Tuesday, January 26, 2016 11:36 AM
To: MSP-EOC-MDTMB
Subject: Fwd: Bldg and room access

F/Lt Jen Wolf
MI Dept. of Natural Resources
Law Enforcement Division
Communications, Emergency Management & Homeland Security
Desk: 517-284-6231
Cell: ____



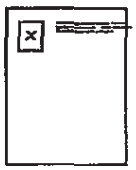
Report All Poaching
1-800-292-7800

Begin forwarded message:

From: <WOLFJ1@michigan.gov>
Date: January 26, 2016 at 11:05:10 AM EST
To: <mckeer1@michigan.gov>, 'Jeanette Doll <dollj@michigan.gov>
Subject: Bldg and room access

We activated our EEC today. I will be submitting a resource request for bldg and room access in ConHall. Are names and email all you will need? Also is there possibility for access to the Allegan ramp and random reserve parking for 7 IMT staff supporting the ECC from out of town for 14 days?

F/Lt Jen Wolf
MI Dept. of Natural Resources
Law Enforcement Division
Communications, Emergency Management & Homeland Security
Desk: 517-284-6231
Cell: _____



Report All Poaching
1-800-292-7800

MSP-EOC-MDTMB

From: McKee, Ryan (DTMB)
Sent: Tuesday, January 26, 2016 9:28 AM
To: DAVID_KHANUJA@homedepot.com
Cc: MSP-EOC-MDTMB
Subject: Pallet Jacks Needed

Good Morning Dave,

As discussed, the two pallet jacks are needed at Station #6 and Station #8. Addresses are below:

Fire Station #6
716 West Pierson Rd.
Flint, MI 48505

Fire Station #8
202 East Atherton Rd.
Flint, MI 48507

Thank you for your assistance! These will help immensely.

Thank you,

Ryan McKee
Professional Emergency Manager (PEM)
DTMB Cybersecurity & Infrastructure Protection
Office of Infrastructure Protection
p: (517) 241-3356
e: mckeer1@michigan.gov

MSP-EOC-MDTMB

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 26, 2016 7:35 AM
To: MSP-EOC-MDTMB
Subject: FW: New Pastebin

From: *Christensen, Chris (DTMB)*
Sent: Tuesday, January 26, 2016 7:33 AM
To: McKee, Ryan (DTMB) <mckeer1@michigan.gov>; Pratt, Jeff (DTMB) <prattj@michigan.gov>; Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: Fwd: New Pastebin

FYI

Thanks Chris

Begin forwarded message:

> **From:** "Kopacsi, Christian (DTMB)" <KopacsiC@michigan.gov>
> **Date:** January 26, 2016 at 7:25:05 AM EST
> **To:** "Behen, David (DTMB)" <Behend@michigan.gov>
> **Cc:** "Grant, Rebecca (MSP)" <GrantR@michigan.gov>, "Pauley, Suzanne (DTMB)" <PauleyS@michigan.gov>, "Taylor, Suzan (MSP)" <TaylorS21@michigan.gov>, "Christensen, Chris (DTMB)" <christensenc4@michigan.gov>, "Ellis, James (MSP)" <EllisJ3@michigan.gov>, "Budde, Brian (MSP)" <BuddeB1@michigan.gov>, "Davenport, Rodney (DTMB)" <DavenportR1@michigan.gov>, "Swanson, Eric (DTMB)" <swansone@michigan.gov>, "Cruz, Richard (MSP)" <CruzR@michigan.gov>, "Gasper, Joe (MSP)" <GasperJ@michigan.gov>, "Kelly, David (MSP)" <KellyD@michigan.gov>, "Bolger, Matt (MSP)" <BolgerM@michigan.gov>, "Goldblatt, Kelley (MSP)" <GoldblattK@michigan.gov>, DTMB-MiSOC <DTMB-MiSOC@michigan.gov>, "Reasner, Richard (DTMB)" <ReasnerR@michigan.gov>
> **Subject: New Pastebin**
>
> Contains email addresses harvested from Michigan.gov website.
>
> http://pastebin.com/yuCTiz5R
>
> Sent from my iPhone
>
> On Jan 25, 2016, at 10:58 PM, Behen, David (DTMB) <Behend@michigan.gov> wrote:
>
> > Thank you Rebecca.
> >
> > Talk with you tomorrow.

David

Sent from my iPhone

On Jan 25, 2016, at 10:48 PM, Grant, Rebecca (MSP) <GrantR@michigan.gov> wrote:

> I think it's over for tonight. Subject says, "...we would like to thank everyone for the support for flint Michigan. Hope everyone have a blessed night..... I will be going dark for a couple of days until I get a new phone have a great day"
>
> https://www.instagram.com/p/BA_NBjuqSNn/?taken-by=anonymousnyc59
>
> <image003.png>

MSP-EOC-MDTMB

From:	FEDERALSEOC
Sent:	Monday, January 25, 2016 7:51 PM
To:	Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282@vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Spata, Paul; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP); David.gutierrez@redcross.org; kristy.gallagher@redcross.org; Shatrau, Bonnie (MDOC)
Subject:	Flint Water Response Team Plan for Tuesday 1/26/16 and Wednesday 1/27/16
Attachments:	Flint Water Response Team Plan for 01.26.16 and 01.27.16 FINAL.docx

Attached is the Flint Water Response Team Plan for Tuesday and Wednesday.

Thank you,

Recovery Branch

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDCH
Sent: Tuesday, February 02, 2016 5:39 PM
To: plangc; MSP-SEOC_GOVERNOR
Cc: Taylor, Kerri (DHHS)
Subject: Blood Lead Data
Attachments: Director's SITREP 02_02_16 FINAL.pdf

Good Evening,

Attached please find the most current data related to blood lead level testing within this Report for the MDHHS Director.

Thank you,
Jennifer Lixey Terrill
MDHHS, EMC

MSP-SEOC_GOVERNOR

From: Pieper, Julia (DEQ)
Sent: Tuesday, February 02, 2016 4:37 PM
To: Krisztian, George (DEQ); Dykema, Linda D. (DHHS); Browne, Elizabeth (DEQ); MSP-EOC-MDEQ
Cc: Pieper, Julia (DEQ)
Subject: Residential samples >100 ppb
Attachments: 0202pm.pdf

Flint More Than 100 PPB

SAMPNO	ACODE	ANALYTE	RESULT	INVADD1	INVADD2	INVADD3	SSTATUS	LOCCODE
LG06517	PB	Lead	1.234		FLINT	48503	V	FLINT_LEAD_TEST
LG06548	PB	Lead	0.115		FLINT	48503	V	FLINT_LEAD_TEST
LG06778	PB	Lead	1.231			48503	V	FLINT_LEAD_TEST

Julia Pieper
Drinking Water Coordinator
Organic Sub-Unit Manager
DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
(517)-335-8076 phone
(517)-335-8562 fax

SEOC FOIA Print Plan
Tips for Printing

Print Plan – Thru Friday, February 19

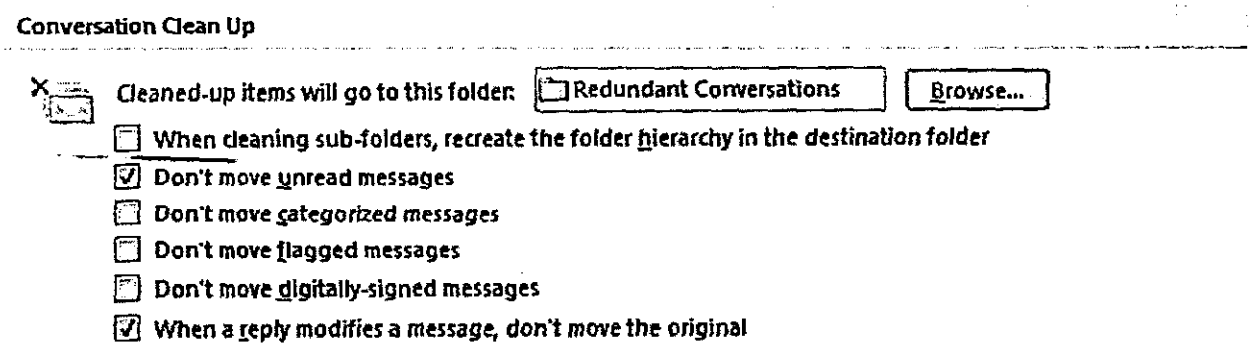
- When printing emails/documents, make sure to **change your default printer** to the following printer:
  - EOC_F1COMM_RI3054 on EOC084M1OAPF502 (located in the Communications Room)
  - Additional helpful hints for each document type below
- SEOC IT staff will set up to "Print to Hold" for each PC in the SEOC.
- Be sure to print/copy all documents **Single Sided.**
- Advise the SEOC Operations Section Chief prior to printing. **Do not interrupt someone else's print job.** The SEOC Operations Section Chief will ensure coordinated printing efforts.
- When at the printer, select Print > Select your agency name > Select All > Print.
- Test printing a couple of emails before printing out a large quantity.
- Once all items have been printed/copied, give all to Oralya Garza or Jodie Frese (daily staff) located just outside Governor's Conference Room A in the SEOC. **Do not go direct to FOIA Unit staff working in the conference room.** They will reach out if they have any questions.
- Make sure to clip or rubber band your information to keep separate from others information being turned in.
- Sources: Emails, Documents, S drive, Desktop, Cell phone/text messages, Copies of handwritten notes, DCDS, Invoices, Photos
- SEOC IT Staff will be responsible for printing all documentation from MI CIMS.
- For any IT issues, contact IT Staff in the SEOC. This is usually Jaclyn Barcroft or Rich Law. GIS staff should be contacted only if both of them are unavailable.

How to Recover Deleted Emails

- In Outlook, select the Folder Tab.
- On the top, select Recover Deleted Items.
- Recover any items pertinent to the Flint Water response.
- You may need to select various folders on the left side in order to recover everything possible.

How to Clean up Redundant Email Conversations

- In Outlook, click on the File tab.
- Click Options.
- Click Mail.
- Under the Conversation Clean Up section, change the location where conversations will go. Select Browse. Click on "Cabinet" in the list. Select "New Folder" and name it "Redundant Conversations." Ensure the options are identical to the below:



- In Outlook, on the Home tab, in the Delete group, click Clean Up.
- Select Clean Up Folder. Click Clean Up Folder.

SEOC FOIA Print Plan
Tips for Printing

Tips for Printing Emails

- For State Agency SEOC personnel, **only** print emails from your SEOC email address.
- Print emails by selecting **up to 100 at a time** (select one, hold shift, click on the last one).
  - Select the File Tab > Print > Click Print Options button > Select Memo Style and Check Box for "Print Attached Files" (bottom left corner of pop up) > Select Print
- Attachments will not show up in the preview, but will print out with the emails

Tips for Printing Documents from Desktop, S Drive, My Documents (wherever files are saved)

- Make sure documents are formatted correctly for printing prior to moving to the next steps (Excel files tend to be the most troublesome).
- Sort documents in folders by "Type".
- Highlight "like" file types (Adobe Acrobat Document, Microsoft Excel Worksheet, etc.).
- Right click, select Print.

Tips for Printing Text Messages

- Android
- iPhone

Email – After All Your Files are Printed

- Send a CC to the following email address when sending items from the SEOC:
  - MSP-FOIAProject@michigan.gov
  - For State Agency SEOC personnel, **only** CC emails from your SEOC email address
- Send all documents created to the same email address

MDHHS Director's Situation Report
Flint Water Response
02 February 2016

Blood Lead Testing Results in Children Enrolled in Medicaid and Residing in City of Flint as of February 1, 2016

Tests Performed on or After April 1, 2014

Zip Codes 48501-48507

Blood Lead Testing	Age				Total	
	0-11 months		1-5 Years			
	N	%	N	%	N	%
Children Tested	89	5.7%	3945	54.7%	4034	46.0%
Children Not Tested	1480	94.3%	3264	45.3%	4744	54.0%
Total Enrolled	1569		7209		8778	
Blood Level ≥ 5 µg/dL* among Tested Children	3 of 89	3.4%	180 of 3945	4.6%	183 of 4034	4.5%

Zip Codes 48501-48507, 48509, 48519, 48529 and 48532

Blood Lead Testing	Age				Total	
	0-11 months		1-5 Years			
	N	%	N	%	N	%
Children Tested	100	5.0%	4814	53.5%	4914	44.7%
Children Not Tested	1900	95.0%	4178	46.5%	6078	55.3%
Total Enrolled	2000		8992		10992	
Blood Level ≥ 5 µg/dL* among Tested Children	3 of 100	3%	194 of 4814	4.0%	197 of 4914	4.0%

*The highest level for each child tested was selected. If a child had a venous test, that was selected over any capillary test.

Flint Daily Blood Test Report

Week of February 1-5, 2016: Includes Zip Codes 48501 to 48507

The table on p.2 presents daily counts of the total number of venous or capillary blood lead test results for Flint residents in zip codes 48501-48507 received by MDHHS in the previous 24 hours. (Counts on each Monday of the week include the previous week-end.) Cumulative total counts are also provided for the week. These counts do not represent the number of individual people tested, as some individuals may be tested more than once per year. For information on the number of people tested per calendar year, please see the weekly Flint Blood Test Report (available at www.michigan.gov/flintwater) that includes counts and percentage of tests with blood lead levels ≥ 5 micrograms per deciliter of blood by calendar year.

Table Key

 # Tests: the total number of venous or capillary blood lead test results received in the previous 24 hours.

 # => 5: the number of venous or capillary blood lead test results received in the previous 24 hours that were => 5 micrograms per deciliter of blood

 # => 5 new: the number of those test results => 5 micrograms per deciliter of blood that were from people not previously tested.

% ≥ 5: the percent of total tests received in the previous 24 hours that were => 5 micrograms per deciliter of blood.

Table: Flint Daily Blood Test Report
Week of February 1-5, 2016: Includes Zip Codes 48501 to 48507

	2/1/2016			
Age in years	# tests	#=>5	#=>5 new	%=>5
age<6	85	3	1	3.5%
age 6-17	69	0	0	0.0%
age 18+	196	3	3	1.5%
Total	350	6	4	1.7%

	2/2/2016				Weekly total through 2/2/2016			
Age in years	# tests	#=>5	#=>5 new	%=>5	# tests	#=>5	#=>5 new	%=>5
age<6	82	1	1	1.2%	167	4	2	2.4%
age 6-17	105	1	1	1.0%	174	1	1	0.6%
age 18+	219	3	3	1.4%	415	6	6	1.4%
Total	406	5	5	1.2%	756	11	9	1.5%

	2/3/2016				Weekly total through 2/3/2016			
Age in years	# tests	#=>5	#=>5 new	%=>5	# tests	#=>5	#=>5 new	%=>5
age<6								
age 6-17								
age 18+								
Total								

	2/4/2016				Weekly total through 2/4/2016			
Age in years	# tests	#=>5	#=>5 new	%=>5	# tests	#=>5	#=>5 new	%=>5
age<6								
age 6-17								
age 18+								
Total								

	2/5/2016				Weekly total through 2/5/2016			
Age in years	# tests	#=>5	#=>5 new	%=>5	# tests	#=>5	#=>5 new	%=>5
age<6								
age 6-17								
age 18+								
Total								

Environmental Investigations

Elevated Blood Level Environmental Investigations:

Through 02/1/2016:

- 28 families contacted
- 25 EBL investigations completed
- 22 Water sampling completed
  - 10 Homes where water filters were observed
- 7 EBL Reports Received
  - 13 homes with lead dust hazards were identified
  - 5 homes with lead in soil hazards
  - 13 homes with lead-based paint hazards

- 9 homes with lead detected in tap water
  - 2 home with lead water levels greater than 15 ppb

➢ 1 investigations scheduled

➢ 10 applications received for the Lead Safe Homes Program

- 2 family enrolled

Filters distributed GCCARD/DHHS:

	Distributed Feb 1, 2016	Total Distributed Oct- Feb 1
Brita Filters	5	13,193
Zero Water Pitchers	0	558
PUR Filters	15	271
Replacement Cartridges - Brita	10	3,719
Replacement Cartridges - PUR	23	678
Replacement Cartridges - Zero	5	434

State Emergency Operations Center (SEOC) Update

Data is for 2/1/16 as of 5:00 pm

➢ Total homes visited:
- 11,876 (round 3 total)
- 1,686 (total 1/31)
- 1,164 (today)

➢ Water Cases (liters calculated by multiplying # of cases x 12):
- 87,792 liters or 7,316 cases (round 3 total)
- 13,932 liters or 1,161 cases (total 1/31)
- 5,796 liters or 483 cases (today)

➢ Replacement Cartridges:
- 1,866 (round 3 total)
- 144 (total 1/31)
- 473 (today)

➢ Faucet Filters:
- 6,228 (round 3 total)
- 407 (total 1/31)
- 437 (today)

Bureau of Disease Control, Prevention, and Epidemiology

➢ Provided the April 2014 to date list of addresses of all children tested for lead in Flint to the CHECC for GIS mapping in the SEOC.

Case Management

➢ Case management DATA through 2/1/2016:
- Contacted 190 (0-5 year olds) and 12 (6-17 year olds)
  - Offered case management services to 147 (0-5 year olds) and 8 (6-17 year olds)
- Case management services provided to 27 (0-5 year olds) and 4 (6-17 year olds)
  - 16 (0-5 year olds) and 1 (6-17 year olds) billed to Medicaid

- 20 (0-5 year olds) and 1 (6-17 year olds) with 'Other' disposition, which includes moved out of county or out of state, or Case Management closed because child's lead level is testing <5.

➢ During a weekly call with Genesee County Case Management staff (2/2), the following challenges were raised from a Community Forum; Members expressed concern with navigating the FlintWater website and delays with 211 response.

Flint Water Crisis: Michigan's Aging Network/Aging & Adult Services Agency

➢ Prior to the State Declaration of Emergency on Jan. 5, Valley Area Agency on Aging (VAAA), in partnership with other local community agencies such as the Genesee County Community Action Resource Department and the Genesee County Health Department, participated in the local ad-hoc response to the local water crisis by helping organize local meetings and by distributed water and water filters to the Region 5 Planning and Service area home-delivered meals participants.

➢ **AASA Staff**: AASA has a staff person who supports the SEOC and serves as a liaison to VAAA.

➢ **Trusted Access Point/Call Center:** VAAA continues to serve as a trusted access point for calls from homebound seniors who need assistance with bottled water, water filters, or if they have other general questions. VAAA also makes referrals to other agencies who can provide other needed services.

Children's Services Agency (CSA)

➢ Actions:
- 89% visual confirmations of water filters (or otherwise confirmed as outside city of Flint water source) for all impacted foster care placement providers. Deadline 2/8/16
- Genesee County Child Welfare Health Liaison Officer (HLO) reviewed lead testing information available on MCIR for 100% of foster children currently placed in Flint
- Completed 100% of blood lead level testing for children placed at Whaley; results are pending

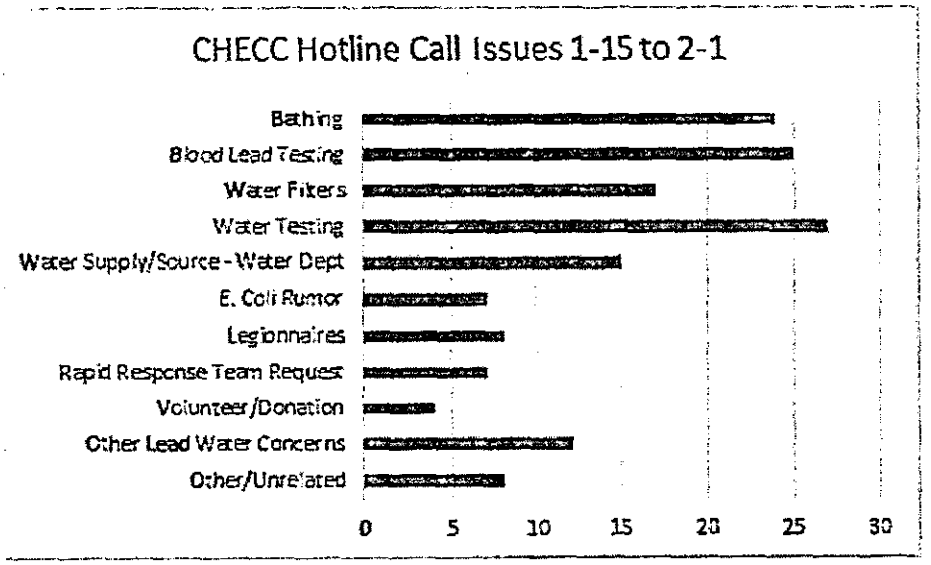
➢ Resources distributed by MDHHS child welfare staff (additional resources distributed by general services staff):
- Water Filter Units: 63
- Replacement Cartridges: 167
- Test Kits: 45
- Zerowater Pitchers: 32
- Zerowater pitcher replacement cartridges: 24

➢ Interagency Coordination/Communication:
- Written communication sent on 2/1/16 to all Child Welfare staff regarding expectation for water testing, follow up medical care for foster children, safety planning, and updated foster parents/agency agreement
- Informational conference call conducted on 2/2/16 with the Business Service Center and county directors regarding the written communication sent on 2/1/16

Outreach

➢ The CHECC will be hosting the MDHHS Chief Medical Executive webinar tomorrow at 12:00PM for Genesee County healthcare providers titled: *An Introduction to the Health Implications of Lead Exposure*

➢ The CHECC have provided a Fluoride, Bottled Water, and Oral Health Prevention FAQ to the JIC


CHECC Hotline Call Issues 1-15 to 2-1
Bathing
Blood Lead Testing
Water Filters
Water Testing
Water Supply/Source - Water Dept
E. Coli Rumor
Legionnaires
Rapid Response Team Request
Volunteer/Donation
Other Lead Water Concerns
Other/Unrelated
0
5
10
15
20
25
30

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Tuesday, February 02, 2016 6:06 PM
To: MSP-SEOCGIS
Cc: plangc; MSP-SEOCSDEM; MSP-SEOC_GOVERNOR
Subject: Governor's Request for Maps
Attachments: February 1 2016 Test Results Flint.xlsx

Attached is the data of water samples analyzed thru 2/1/2016. The Governor's office has requested maps with the following breakdown suing these data. We'd prefer the maps not be distributed publicly as they may cause questions about the significance of the different breakdowns of results. We'll get this in a resource request shortly

- City divided into zip codes
- Data points placed on parcels to indicate the following:
  - Results over 15ppb
  - Results over 30ppb
  - Results over 100ppb
  - Results over 150ppb
  - Results over 500ppb

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: MSP-SEOCSDEM
Sent: Tuesday, February 02, 2016 6:09 PM
To: MSP-EOC-MDEQ; MSP-SEOCGIS
Cc: plangc; MSP-SEOC_GOVERNOR
Subject: RE: Governor's Request for Maps

I will provide the maps with the evening SitRep which is not for public distribution.

From: MSP-EOC-MDEQ
Sent: Tuesday, February 02, 2016 6:06 PM
To: MSP-SEOCGIS
Cc: plangc; MSP-SEOCSDEM; MSP-SEOC_GOVERNOR
Subject: Governor's Request for Maps

Attached is the data of water samples analyzed thru 2/1/2016. The Governor's office has requested maps with the following breakdown suing these data. We'd prefer the maps not be distributed publicly as they may cause questions about the significance of the different breakdowns of results. We'll get this in a resource request shortly

- City divided into zip codes
- Data points placed on parcels to indicate the following:
  - Results over 15ppb
  - Results over 30ppb
  - Results over 100ppb
  - Results over 150ppb
  - Results over 500ppb

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: Forstner, Nathaniel (GOV)
Sent: Tuesday, February 02, 2016 6:49 PM
To: MSP-SEOC_GOVERNOR
Subject: RE: Blood Lead Data
Attachments: Flint Blood Testing Report 12Jan22 R1.pdf

Here you go...

From: MSP-SEOC_GOVERNOR
Sent: Tuesday, February 02, 2016 5:41 PM
To: Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
Subject: FW: Blood Lead Data

From: MSP-EOC-MDCH
Sent: Tuesday, February 02, 2016 5:39 PM
To: plangc; MSP-SEOC_GOVERNOR
Cc: Taylor, Kerri (DHHS)
Subject: Blood Lead Data

Good Evening,

Attached please find the most current data related to blood lead level testing within this Report for the MDHHS Director.

Thank you,
Jennifer Lixey Terrill
MDHHS, EMC

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Tuesday, February 02, 2016 7:04 PM
To: MSP-SEOCSDEM
Cc: MSP-SEOC_GOVERNOR; MDEQ-ECC-IMT; Sobieski, Sue (DNR)
Subject: Today's Sample Results Statistics

Below are the numbers reported from our lab for samples analyzed through today, 2/2/2016.

Drinking water (Analyzed 9/3/15 to 2/2/16)
5516 out of 5906 (93%) at or below 15 ppb (390 tests above)
<5 ppb: 4853 (82%)
5-15 ppb: 663 (11%)
> 15 ppb: 390 (7%)
>30 ppb: 214 (4%)
>150 ppb: 50 (0.8%)

Mitch
DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Tuesday, February 02, 2016 7:27 PM
To: MSP-SEOC_GOVERNOR
Subject: FW: Full List of Residential Results for February 2, 2016
Attachments: February 2 2016 Test Results Flint.xlsx; February 2 2016 Test Results Flint_Sorted by Lead Concentration.pdf; February 2 2016 Test Results Flint_Sorted by Address.pdf; February 2 2016 Test Results Flint_DEQ Reports to EPA.xlsx

Importance: High

From: Norton, Susan (DEQ)
Sent: Tuesday, February 02, 2016 6:12 PM
To: Krisztian, George (DEQ); Brown, Melanie (DEQ); Hawks, Trevor (MSP); JICManager; Wolf, Jennifer (DNR)
Cc: Holland, Meegan (GOV); Buhs, Caleb (DTMB); MSP-EOC-MDEQ; Dykema, Linda D. (DHHS); Edgerton, Shelly (LARA); Creagh, Keith (DEQ); Sygo, Jim (DEQ); MSP-EOC-MDLARA; Lord, Daniel (DNR); Towne, Karen (LARA); Browne, Elizabeth (DEQ); MDEQ-ECC-IMT; MacKenzie-Taylor, Deb (DEQ)
Subject: RE: Full List of Residential Results for February 2, 2016
Importance: High

This note is for Tuesday February 2, 2016

Please find attached the full list of residential results through the date listed above (4 attachments). Please note that this version includes concentrations in ppb and the street number is separated from street name to make it easier to find the address. Also, there are pdfs of the two worksheets for people who don't have Microsoft office. All have been prepped for the web minus the naming convention that is usually used. I will follow this format going forward. **If I fail to do that then please let me know**:

1. For the web page http://www.michigan.gov/flintwater/0,6092,7-345-75251_75373—,00.html , found under the accordion lower left "Keeping lead out: Water Test Results and Reports"/ "Keeping lead out of the home: Tips and Residential Water Test Results", the following are to be added (3 attachments):

   Asset # 512083 – February 2 2016 Test Results Flint.xlsx
   Asset# 512511 – February 2 2016 Test Results Flint_Sorted By Address.pdf
   Asset# 512510 – February 2 2016 Test Results Flint_Sorted by Lead Concentration.pdf

2. For the same accordion underneath the DEQ reports to EPA, The Test Results Flint DEQ Reports to the EPA Asset needs updating:

   Asset# 512663 - February 2 2016 Test Results Flint_DEQ Reports to the EPA.xlsx

Please note that the results are for all samples reported out through today February 2, 2016 in all documents. In addition, the workbooks (XLSX) contains two tabs: One has the data sorted by Lead concentration and the other is sorted by address.

Posting this data in a timely manner is of the essence so that we can comply with the order issued by EPA.

Please post this to the website ASAP and make sure that all are posted so that people can look at the version that they are interested in.

Thank you!!!

Susan

Susan Norton
Department of Environmental Quality/ RRD
525 W Allegan Street
Lansing, MI 48909

Nortons1@michigan.gov

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Tuesday, February 02, 2016 7:52 PM
To: MSP-SEOC_GOVERNOR
Subject: Fwd:

Sent from my iPhone

Begin forwarded message:

> **From:** MSP-SEOCGIS <MSP-SEOCGIS@michigan.gov>
> **Date:** February 1, 2016 at 5:07:50 PM EST
> **To:** "Geiger, Ben (GOV)" <geigerb@michigan.gov>
> **Cc:** "McCormick, Matthew (MSP)" <McCormickM@michigan.gov>
>
> Ben:
>
> Below is a list of core maps we regularly create and provide to planners. Note - All data that is used in the maps is migrated to the cloud using ArcGIS Online for use by all participating agencies (primarily FEMA, Flint, and Genesee County)
> - Daily Field Team Planning Maps with by zone handouts for individual team assignments broken out using Township and Range Survey
> - Live dashboards hosted from cloud to show real time statuses for field team activity and POD distributions that track locations of homes that received Water, Filters, Replacement filters, Filter Pitchers, and Water Test Kits. Tool also used to survey residents on other critical questions pertinent to operations
> - Vulnerable populations map containing medical equipment dependent residents, elderly facilities, and other individual identified by the Valley Agency on Aging
> - Food and Water Facilities maps as maintained in conjunction with MDARD
> - MDEQ Water Test Results Map (Updated through 1/20/2016)
> - Basic orientation maps containing Flint Precincts, Flint Wards, Flint Parcels, etc.
> - Core Flint Water infrastructure maps and flow diagrams for water mains and pumping (service line maps under construction in coordination with FEMA and U of M Flint, approximately 50% complete)
> - Daily team progress maps for public as distributed through the JIC
> - Maintain maps of operational data such as PODS and other key emergency response locations
> - Mapped all pre-incident filter distributions
>
> We also have a vast library of hundreds of various features that we can use to produce both web-based and paper maps upon request for all agencies in support of this incident. However, for accuracy we typically request updated tables from state agencies to ensure all map requests have the latest content.
>
> Our data sources are City of Flint and Federal clearinghouse.
>
> Let me know if you need more.

Regard,

Walter Chomentowskiw

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MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Tuesday, February 02, 2016 8:26 PM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: Mobile app prototype
Attachments: Flint water mobile app prototype.pdf; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

> **From:** "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
> **Date:** February 2, 2016 at 8:17:42 PM EST
> **To:** "Geiger, Ben (GOV)" <geigerb@michigan.gov>
> **Subject: Fwd: Mobile app prototype**
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
> > **Date:** February 2, 2016 at 3:22:48 PM EST
> > **To:** "Stibitz, Brom (DTMB)" <StibitzB@michigan.gov>
> > **Subject: Mobile app prototype**
> >
> > Ben told me he wasn't able to send this to you. This is still just an FYI.

MSP-SEOC_GOVERNOR

From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, February 02, 2016 9:21 PM
To: MSP-SEOC_GOVERNOR
Cc: MSP-EOC-MDCH; Wahl, Kathy (DHHS); Scott, Jackie (DHHS); Scott, Linda (DHHS); Kelenske, Chris (MSP)
Subject: Re: Blood Lead Data

Ben,

The most current data was provided to the planning section this evening for the nightly report, to include the tables that we looked at together tonight in the SEOC. In the future, if the Governor would like MDHHS to mirror a different format similar to the table you showed me, I'm sure we can accommodate that request.

The report that Nat sent earlier was developed for MDHHS executive leadership and then posted by the JIC to the website. I believe that report will start being updated weekly as well.

If you would like any additional information or clarification please feel free to contact Dr. Jackie Scott, the Director of the Bureau of EMS, Trauma, and Preparedness, at

Thank you,
Jennifer Lixey Terrill

Sent from my iPhone

On Feb 2, 2016, at 8:57 PM, MSP-SEOC_GOVERNOR <MSP-SEOC_GOVERNOR@michigan.gov> wrote:

> Jennifer:
>
> Do you know when this report will be updated with new data?
>
> Thanks,
> Ben
>
> ---
>
> **From:** Forstner, Nathaniel (GOV)
> **Sent:** Tuesday, February 02, 2016 6:49 PM
> **To:** MSP-SEOC_GOVERNOR
> **Subject:** RE: Blood Lead Data
>
> Here you go...
>
> ---
>
> **From:** MSP-SEOC_GOVERNOR
> **Sent:** Tuesday, February 02, 2016 5:41 PM
> **To:** Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
> **Subject:** FW: Blood Lead Data

From: MSP-EOC-MDCH
Sent: Tuesday, February 02, 2016 5:39 PM
To: plangc; MSP-SEOC_GOVERNOR
Cc: Taylor, Kerri (DHHS)
Subject: Blood Lead Data

Good Evening,

Attached please find the most current data related to blood lead level testing within this Report for the MDHHS Director.

Thank you,
Jennifer Lixey Terrill
MDHHS, EMC

<Flint Blood Testing Report 12Jan22 R1.pdf>

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Wednesday, February 03, 2016 10:23 AM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: Spreadsheet Infomation
Attachments: Internal Use Only - Information check sheet.pdf; ATT00001.htm; National Guard Reporting FD PODs 2016-01-31_hard data.xlsx; ATT00002.htm

Sent from my iPhone

Begin forwarded message:

> **From:** MSP-seocda2 <MSP-seocda2@michigan.gov>
> **Date:** February 1, 2016 at 5:33:38 PM EST
> **To:** "Geiger, Ben (GOV)" <geigerb@michigan.gov>
> **Subject: Spreadsheet Infomation**
>
> Hi Ben
>
> Please find attached the spreadsheet named "National Guard Reporting FD PODs 2016-01-31_hard data". This is yesterday's sheet where the majority of the information is inputted into for the nightly reports. Also is attached a check sheet for where the other information is acquired. The remaining other data is provided by other state agencies or staff in the SEOC.
>
> I am not sure if you are still in the SEOC or not, so that we can discuss if needed. Please let me know if you have any questions.
>
> Thanks
> Sam
>
> Samuel Jonker-Burke
> 517-284-3885
> Resource Unit Leader, State Emergency Operations Center
> Michigan State Police/Emergency Management and Homeland Security
> (This email is monitored only when the SEOC is activated)

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Wednesday, February 03, 2016 10:25 AM
To: MSP-SEOC_GOVERNOR
Subject: FW:

From: MSP-SEOCGIS
Sent: Monday, February 01, 2016 5:07 PM
To: Geiger, Ben (GOV)
Cc: McCormick, Matthew (MSP)
Subject:

Ben:

Below is a list of core maps we regularly create and provide to planners. Note - All data that is used in the maps is migrated to the cloud using ArcGIS Online for use by all participating agencies (primarily FEMA, Flint, and Genesee County)

- Daily Field Team Planning Maps with by zone handouts for individual team assignments broken out using Township and Range Survey
- Live dashboards hosted from cloud to show real time statuses for field team activity and POD distributions that track locations of homes that received Water, Filters, Replacement filters, Filter Pitchers, and Water Test Kits. Tool also used to survey residents on other critical questions pertinent to operations
- Vulnerable populations map containing medical equipment dependent residents, elderly facilities, and other individual identified by the Valley Agency on Aging
- Food and Water Facilities maps as maintained in conjunction with MDARD
- MDEQ Water Test Results Map (Updated through 1/20/2016)
- Basic orientation maps containing Flint Precincts, Flint Wards, Flint Parcels, etc.
- Core Flint Water infrastructure maps and flow diagrams for water mains and pumping (service line maps under construction in coordination with FEMA and U of M Flint, approximately 50% complete)
- Daily team progress maps for public as distributed through the JIC
- Maintain maps of operational data such as PODS and other key emergency response locations
- Mapped all pre-incident filter distributions

We also have a vast library of hundreds of various features that we can use to produce both web-based and paper maps upon request for all agencies in support of this incident. However, for accuracy we typically request updated tables from state agencies to ensure all map requests have the latest content.

Our data sources are City of Flint and Federal clearinghouse.

Let me know if you need more.

Regard,

Walter Chomentowskiw

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Wednesday, February 03, 2016 10:53 AM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: Blood testing inquiry

Sent from my iPhone

Begin forwarded message:

> **From:** "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
> **Date:** February 3, 2016 at 10:51:30 AM EST
> **To:** "Smith, Paul (GOV)" <SmithP29@michigan.gov>, "Geiger, Ben (GOV)" <geigerb@michigan.gov>
> **Subject: RE: Blood testing inquiry**
>
> I asked the same question yesterday and didn't get an adequate response. Please let me know what you find out. Thanks.
>
> ---
>
> **From:** Smith, Paul (GOV)
> **Sent:** Wednesday, February 03, 2016 10:39 AM
> **To:** Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>; Geiger, Ben (GOV) <geigerb@michigan.gov>
> **Subject:** FW: Blood testing inquiry
>
> FYI. Not sure if you guys might already have the answer, so I am forwarding.
>
> ---
>
> **From:** Smith, Paul (GOV)
> **Sent:** Wednesday, February 03, 2016 10:38 AM
> **To:** Lixey-Terrill, Jennifer (DHHS)
> **Cc:** Dykema, Linda D. (DHHS)
> **Subject:** Blood testing inquiry
>
> Jennifer,
>
> Lisa Oca, MD, on the Governor's staff, had a question about blood testing after reviewing the 2/2 situation report:
>
> "Sorry -on closer inspection I see we have tested about half of children ages 1 and higher. Do we have data on non-Medicaid enrolled children?"
>
> Can you or Dr. Dykema please answer that question?
>
> Thank you!
>
> Paul Smith
> Deputy Legal Counsel
> Office of the Governor

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Wednesday, February 03, 2016 10:53 AM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: SEOC Update 2/2/16 - Flint Water - Limited Distribution

Sent from my iPhone

Begin forwarded message:

> **From:** "Smith, Paul (GOV)" <SmithP29@michigan.gov>
> **Date:** February 3, 2016 at 10:46:33 AM EST
> **To:** "Lixey-Terrill, Jennifer (DHHS)" <LixeyTerrillJ@michigan.gov>, "Dykema, Linda D. (DHHS)" <DykemaL@michigan.gov>
> **Cc:** "Geiger, Ben (GOV)" <geigerb@michigan.gov>, "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
> **Subject: FW: SEOC Update 2/2/16 - Flint Water - Limited Distribution**
>
> Here are some more blood testing questions. Thank you!
>
> ---
> From: Melisa Oca [mboca@me.com]
> Sent: Wednesday, February 03, 2016 10:44 AM
> To: Smith, Paul (GOV)
> Cc: Clement, Elizabeth (GOV)
> Subject: Re: SEOC Update 2/2/16 - Flint Water - Limited Distribution
>
> In the children that tested> 5 ug/dl- what are their actual blood levels and has anyone tested > 45 ug/dl (treatment level)
>
> What is plan for follow up testing?
> What is plan for developmental testing and follow up?
> Thanks
> Lisa
>
> Lisa Oca, MD
> Executive Office of the Governor
> Agenda of the First Lady
> State of Michigan
>
> Sent from my iPad
>
> On Feb 3, 2016, at 10:21 AM, Smith, Paul (GOV) <SmithP29@michigan.gov> wrote:
>
> > Thank you. I will get it.

On Feb 3, 2016, at 10:20 AM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:

Lisa,

Copying Paul Smith on this. He can follow up with SEOC to track down the data for you.

Sent from my iPad

> On Feb 3, 2016, at 9:58 AM, Melisa Oca <mboca@me.com> wrote:
>
> Sorry -on closer inspection I see we have tested about half of children ages 1 and higher. Do we have data on non-Medicaid enrolled children?
>
> Lisa Oca, MD
> Executive Office of the Governor
> Agenda of the First Lady
> State of Michigan
>
> Sent from my iPad
>
> > On Feb 2, 2016, at 9:45 PM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:
> >
> > Here is the update from this evening. I will track down the data from a few months ago so you can compare the numbers.
> >
> > Sent from my iPhone
> >
> > Begin forwarded message:
> >
> > From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov<mailto:KelenskeC@michigan.gov>>

Date: February 2, 2016 at 9:44:18 PM EST

To: "Etue, Kriste (MSP)" <EtueK@michigan.gov<mailto:EtueK@michigan.gov>>, "Gorski, Gary (MSP)" <GorskiG@michigan.gov<mailto:GorskiG@michigan.gov>>, "Smith, Paul (GOV)" <SmithP29@michigan.gov<mailto:SmithP29@michigan.gov>>, "Baird, Richard (GOV)" <bairdr@michigan.gov<mailto:bairdr@michigan.gov>>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov<mailto:clemente@michigan.gov>>, "Snyder, Rick (GOV)" <snyderr11@michigan.gov<mailto:snyderr11@michigan.gov>>, "Calley, Brian (GOV)" <calleyb11@michigan.gov<mailto:calleyb11@michigan.gov>>, "Creagh, Keith (DEQ)" <creaghk@michigan.gov<mailto:creaghk@michigan.gov>>, "Lyon, Nick (DHHS)" <LyonN2@michigan.gov<mailto:LyonN2@michigan.gov>>

Cc: "Banner, Shanon (MSP)" <BannerS@michigan.gov<mailto:BannerS@michigan.gov>>, "Leix, Ron (MSP)" <LeixR@michigan.gov<mailto:LeixR@michigan.gov>>, "Murray, David (GOV)" <MurrayD1@michigan.gov<mailto:MurrayD1@michigan.gov>>, "Holland, Meegan (GOV)" <HollandM2@michigan.gov<mailto:HollandM2@michigan.gov>>, "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov<mailto:KatarskyA@michigan.gov>>, "Sachs, Tori (GOV)" <SachsT@michigan.gov<mailto:SachsT@michigan.gov>>, "Agen,

Jarrod (GOV)"
<AgenJ@michigan.gov<mailto:AgenJ@michigan.gov>>, "Scott, Allison (GOV)"
<scotta12@michigan.gov<mailto:scotta12@michigan.gov>>, "Redford, James (GOV)"
<RedfordJ@michigan.gov<mailto:RedfordJ@michigan.gov>>,
"Forstner, Nathaniel (GOV)"
<forstnern1@michigan.gov<mailto:forstnern1@michigan.gov>>

Subject: SEOC Update 2/2/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 2/2/16 – 29th Day (28th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- Continue investigating a warehousing option for non-palletized donations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long

Term Recovery - recovery plan/transition of PODs.

- Continue to work on SBA application.
- Obtain additional information from the City of Flint and Genesee County for appeal.

Status on Governor's request letter to the President:

* Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
* Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Attached:

1. MDDHS Director's Sit Rep: Reference blood lead testing results.
2. Sit Rep #28

Key items for tomorrow to note are:

- 10 American Red Cross Teams scheduled for Wednesday, February 3, 2016
- Apartment complexes will be targeted tomorrow.
- We anticipate providing a cleaner way to view the numbers at a glance starting tomorrow.
- Work with the Chamber of Commerce and MEDC to get more businesses for the SBA declaration. Found that we only have a gross revenue loss of 24% when it needs to exceed 40%. Will follow up first thing with SBA to double check this. Chamber of

Commerce was to provide the top 5 businesses with losses.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Team Priority Visited Today: Completed Section 8 housing list. 10 remaining franchise customers.
- SEOC Logistics worked with DTMB to secure additional warehouse location for donated water.
- JIC partnered with the Michigan Association of Broadcasters (MAB) to record two PSAs in Spanish. The PSAs were shared with MAB member stations.
- SEOC Finance met with State Budget Office to discuss and develop collaborative cost reporting for all state agencies.
- SEOC Planning finalized Small Business Administration request for economic injury.
- Information reported to the JIC:

o As of 2/2/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I

Phase II

Targeted Total

Targeted Canvassing Mission 2/2/16*

30,770

37,844

12,406

530

*There were issues with the app in the field on February 2, 2016. Outstanding data will be included tomorrow night.

2. Distributed:

Commodity

Total to Date

1. Number of cases of water

255,457

1. Filters

102,498

1. Filter cartridges

206,642

1. Test kits

33,243*

*Adjusted due to test kits were not assembled at POD 1 yesterday and sent back to warehouse. Those kits were included as distributed and should not have been.

3. Resources purchased:

a. Cases of water 2,715,324 Liters (additional 1,209,675 Liters donated)

b. Filters 266,312*

c. Filter Cartridges 584,957*

d. Test kits 62,701

*Includes back data, not previously accounted for, from MDHHS purchases on January 12-16, 2016 so there is a jump in the amounts.

4. Teams going out tomorrow:

a. 10 American Red Cross Teams scheduled for Wednesday, February 3, 2016.

Standing Information Requirements

1. Number of homes visited each day:

a. 2/2/16, as of 5 pm, 530 homes were visited today

2. Total number of homes visited:

a. Targeted Canvassing Mission: 12,406

3. Total number of National Guard on the ground:

a. 53

4. Total Number of Volunteers each day:

a. 27 volunteers on 2/2/16, per ARC.

5. *Number of homes with filters:

Total Number

Number with filters

Residential parcels

38,831

28,277

Active residential water subscribers

26,673

22,491

6. Number of Water filters distributed (each day and to date):

a. 587 (172 FWRT + 415 PODs [1700 2/1 to 1600 2/2]) were distributed since this report yesterday and total distributed to date is 102,498.

7. Cases of Bottle water distributed (each day and to date):

a. 10,524 (444 FWRT +10,080 cases or 120,960 liters PODs [1700 2/1 to 1600 2/2]) were distributed since this report yesterday and the total distributed to date is 255,457 cases or 3,065,484 Liters.

8. Number of testing kits distributed (each day and to date):

a. 491 (56 FWRT +435 PODs [1700 2/1 to 1600 2/2]) were distributed since this report yesterday and the total distributed to date is 33,243.

9. Number of people tested for elevated blood levels (kids, adults, total):

a. See attached MDHHS Sit Rep, pages 1 and 3 – this is a new format from DHHS but we are working to pull it into an easier format.

10. Number of people with elevated blood level (kids, adults, total):

a. See attached MDHHS Sit Rep, pages 1 and 3 -- this is a new format from DHHS but we are working to pull it into an easier format.

11. Number of homes with safe drinking water:

a. Drinking water (Analyzed 9/3/15 to 2/2/16)

i. 5516 out of 5906 (93%) at or below 15 ppb (390 tests above)

ii. <5 ppb: 4853 (82%)

iii. 5-15 ppb: 663 (11%)

iv. > 15 ppb: 390 (7%)

v. >30 ppb: 214 (4%)

vi. >150 ppb: 50 (0.8%) (DEQ and DHHS are working to get a plan in place to ensure these homes are visited).

*Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

- Coordinating rapid response deliveries to homebound residents and special locations.
- Coordinating distribution of appropriate supplies to Flint water

system franchise customers outside the City of Flint.

- Coordinating with owner of new warehouse site for access to the site, and operations at the facility.
- Addressing various public concerns, including availability of supplies to residents in apartment complexes.
- Attended meeting with UM-Flint to discuss student volunteer opportunities and potential communications support.
- Attended VOAD meeting to discuss volunteer engagement, volunteer management, and distribution management.
- Coordinating replacement for Team Rubicon after their demobilization for rapid response deliveries.

Chris

From: Kelenske, Chris (MSP)

Sent: Monday, February 01, 2016 9:48 PM

To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov<mailto:snyderr11@michigan.gov>'; 'calleyb11@michigan.gov<mailto:calleyb11@michigan.gov>'; Creagh, Keith (DEQ); Lyon, Nick (DHHS)

Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)

Subject: SEOC Update 2/1/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 2/1/16 – 28th Day (27th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Finalize new Incident Action Plan (IAP) for Operational Period 2/2/16 to 2/9/16.
- Sync up with the UCG to ensure lines of communication and operation are clear.
- Ensure adequate quantities of supplies to support operations.
- Continue investigating a warehousing option for non-palletized donations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Continue to work on SBA application – pends status of Declaration of Emergency appeal.
- Obtain additional information from the City of Flint and Genesee County for appeal.

Status on Governor's request letter to the President:

* Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.

* Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal. IHP is an Individual Assistance program.

Attached:

1. SitRep 27

2. Flint Water Timeline (DRAFT) – This is a running record I keep so I have it for future reference. This is draft but thought some of you may want it at this time.

3. State Agency Weekly Activities – It was mentioned on the morning call to have a weekly activities sheet. I am certain there are other events to be added but this is from the SEOC personnel.

4. Day to Day POD Comparison Data – Internal for EMHSD and FEMA

Key items for tomorrow to note are:

· 10 American Red Cross Teams scheduled for Tuesday, February 2, 2016

· Franchise Customers continue to be targeted for visits with additional to be determined.

Items to Note

· The question came up as to the difference between active residential

customers and residential parcels. Customers are on the Flint water system according to what the City of Flint provides us. Residential parcels are those not on the system for numerous reasons to include them having a well or just not connected to the system. We are aware some not on the system have gotten filters. I also do not have a lot of faith in the records provided to us by the city water department. We just received an updated franchise list which had more customers.from the city that is different from the one we were given earlier.

- Received approval to obtain a former Kroger store near Statoin 6 POD. This will greatly alleviate donation management issues. Office space is available at this location if needed.

- 10 ARC Flint Water Response Teams to the field today.

- GIS was not able to develop maps with today's data due to issues with the software. They will be providing maps first thing tomorrow.

- Recovery Branch coordinated meeting with Michigan Community Service Commission (MCSC), Local EOC, and ARC regarding volunteer coordination and reporting.

- JIC is working to set up a legislative and congressional briefing call this week.

- Information reported to the JIC:

o As of 2/1/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I

Phase II

Targeted Total

ARC Paper Data*
1/31/16

Targeted Canvassing Mission 2/1/16

30,770

37,844

11,876

1,135

1,164

*Data from last night that was not available.

1. Distributed:
Commodity

Total to Date

1. Number of cases of water

244,933

1. Filters

101,911

1. Filter cartridges

205,820

1. Test kits

33,561

1. Resources purchased:

* Cases of water 2,637,324 Liters (additional 1,127,171 Liters donated)
* Filters 165,048
* Filter Cartridges 389,357
* Test kits 62,701

2. Teams going out tomorrow:

* 10 American Red Cross Teams scheduled for Tuesday, February 2, 2016.

Standing Information Requirements

1. Number of homes visited each day:

* 1/31/16, ARC Data, 1,135 homes were visited yesterday. Data was not included in yesterday's report.
* 2/1/16, as of 5 pm, 1,164 homes were visited today

2. Total number of homes visited:

* Targeted Canvassing Mission: 11,876

3. Total number of National Guard on the ground:

* 53

4. Total Number of Volunteers each day:

* 50 volunteers on 2/1/16, per ARC.

5. *Number of homes with filters:

Total Number

Number with filters*

Residential parcels

38,831

28,167

Active residential water subscribers

26,673

22,400

*Number does not include franchise customers, will be updated tomorrow morning.

1. Number of Water filters distributed (each day and to date):

* 1,318 (1,001 FWRT + 317 PODs [1700 1/31 to 1600 2/1]) were distributed since this report yesterday and total distributed to date is 101,911.

2. Cases of Bottle water distributed (each day and to date):

* 10,443 (1,218 FWRT +9,225 PODs [1700 1/31 to 1600 2/1]) were distributed since this report yesterday and the total distributed to date is 244,933.

3. Number of testing kits distributed (each day and to date):

* 1,091 (293 FWRT +798 PODs [1700 1/31 to 1600 2/1]) were distributed since this report yesterday and the total distributed to date is 33,184.

4. Number of people tested for elevated blood levels (kids, adults, total):

* Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351

*this data will not be updated again until Tuesday.

1. Number of people with elevated blood level (kids, adults, total):

* Per CHECC: These numbers are only updated bi-weekly

i. Children less than 6 years old = 5 µg/dl since 10/1/2015: 38

ii. Children 6 to 17 years old = 5 µg/dl since 10/1/2015: 7

iii. Adults 18 years and older = 5 µg/dl since 10/1/2015: 22

*This data will not be updated again until Tuesday

1. Number of homes with safe drinking water:

* Drinking water (9/3/15 to 2/1/16)*

i. 5227 out of 5590 (94%) at or below 15ppb (363 tests above)

ii. <5 ppb: 4594 (82%)

iii. 5-15 ppb: 633 (11%)

iv. > 15 ppb: 363 (6%)

v.

> 150 ppb: 48 (0.9%) – DEQ was tasked with getting better information on this as to how many are residences, what steps have been taken with them, how many have been "cleared," and how many are new. They will be working on it first thing tomorrow. Based on sheets I was provided this evening, since the report on Friday:

1. Saturday there were 4 additional results >150 ppb

2. Sunday there were 5 additional results >150 ppb

3. Monday there were 6 additional results >150 ppb

vi.

> 30 ppb: 199 (4%)

*Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

* Coordination of rapid response deliveries to homebound residents and special locations.

* Finalized rapid response delivery plan with ARC, Team Rubicon, Michigan Community Service Commission and SEOC.

* IC/Genesee County EMC attended county commission meeting, briefed commission on response efforts, and addressed questions and concerns.

* Addressing public concerns, including rumors of availability of FEMA relocation assistance.

* Coordinating with charter schools outside the city of Flint/Flint water system for supply of water resources to students that are Flint residents.

* Attended conference call with Dow Chemical to discuss potential donation of filter systems. Will

provide spec sheets to SEOC Logistics.

Chris

From: Kelenske, Chris (MSP)

Sent: Sunday, January 31, 2016 9:37 PM

To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov<mailto:snyderr11@michigan.gov>'; 'calleyb11@michigan.gov<mailto:calleyb11@michigan.gov>'; Creagh, Keith (DEQ); Lyon, Nick (DHHS)

Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)

Subject: SEOC Update 1/31/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/31/16 – 27th Day (26th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- Continue investigating a warehousing option for non-palletized donations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.

- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Finalize SBA application.

Status on Governor's request letter to the President:

* Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.

* Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- 10 American Red Cross Teams scheduled for Monday, February 1, 2016
- City Sections Scheduled Tomorrow*: Franchise Customers, Additional to be determined.

*City sections subject to change based on available data updates. Teams will reach out for additional assignments if entire city section is completed during the operational period.

Items to Note

· 10 ARC Flint Water Response Teams to the field today.

· Information reported to the JIC:

o As of 1/31/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I

Phase II

Targeted Total

Targeted Canvassing Mission 1/31/2016

30,770

37,844

9,577

551*

*Due to an issue with the iPads in the field not all numbers were captured for today's outreach. The additional residences will be entered tonight by ARC and will be included in the data for tomorrow, per Recovery Branch.

2. Distributed:

Commodity

Total to Date

1. Number of cases of water

234,490

1. Filters

100,593

1. Filter cartridges

204,736

1. Test kits

32,093

3. Resources purchased:

a. Cases of water 2,637,324 Liters (additional 996,080 Liters donated)

b. Filters 165,048

c. Filter Cartridges 383,282

d. Test kits 62,701

4. Teams going out tomorrow:

a. 10 American Red Cross Teams scheduled for Monday, February 1, 2016.

New Standing Information Requirements

1. Number of homes visited each day:

* 1/31/16, as of 5 pm, 551* homes were visited today

. *The numbers are low due to an issue with the iPad input, the additional residences will be inputted tonight and included in tomorrow numbers.

1. Total number of homes visited:

* Targeted Canvassing Mission: 9,577

2. Total number of National Guard on the ground:

* 53

3. Total Number of Volunteers each day:

* 236 volunteers on 1/31/2016, per ARC.

4. Number of homes with filters:

Total Number	Number with filters	Residential parcels
38,831	28,081	Active residential water subscribers
26,673	22,334	

1. Number of Water filters distributed (each day and to date):

* 624 (299 FWRT + 325 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and total distributed to date is 100,593.

2. Cases of Bottle water distributed (each day and to date):

* 7,302 (426 FWRT +6876 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and the total distributed to date is 234,490.

3. Number of testing kits distributed (each day and to date):

* 581 (251 FWRT +330 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and the total distributed to date is 32,093.

4. Number of people tested for elevated blood levels (kids, adults, total):

* Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351

*This data will not be updated again until Tuesday.

1. Number of people with elevated blood level (kids, adults, total):

* Per CHECC: These numbers are only updated bi-weekly

i. Children less than 6 years old = 5 µg/dl since 10/1/2015: 38

ii. Children 6 to 17 years old = 5 µg/dl since 10/1/2015: 7

iii. Adults 18 years and older = 5 µg/dl since 10/1/2015: 22

*This data will not be updated again until Tuesday

1. Number of homes with safe drinking water:

* 5,020 water samples out of 5,356 sampled through January 31, 2016 are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

· Addressing various public concerns, including concerns regarding filter efficiency.

* Establishing procedures for receiving incoming donations of loose water at overflow locations.

* Established rapid response delivery plan with ARC and Team Rubicon.

* Coordinated rapid response deliveries to homebound residents and special locations.

* Coordinated with VRC for door-to-door distribution of recycling information and supplies.

* Genesee County Board of Commissioners meeting scheduled for 02/01/2016.

Chris

<2015-10-01 City of Flint Water Contamination-Shortage SitRep 28 2016-02-....pdf>

<Director's SITREP 02_02_16 FINAL.PDF>

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Wednesday, February 03, 2016 10:55 AM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: SEOC Update 2/2/16 - Flint Water - Limited Distribution

Sent from my iPhone

Begin forwarded message:

> **From:** "Smith, Paul (GOV)" <SmithP29@michigan.gov>
> **Date:** February 3, 2016 at 10:46:33 AM EST
> **To:** "Lixey-Terrill, Jennifer (DHHS)" <LixeyTerrillJ@michigan.gov>, "Dykema, Linda D. (DHHS)" <DykemaL@michigan.gov>
> **Cc:** "Geiger, Ben (GOV)" <geigerb@michigan.gov>, "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
> **Subject: FW: SEOC Update 2/2/16 - Flint Water - Limited Distribution**
>
> Here are some more blood testing questions. Thank you!
>
> ---
> From: Melisa Oca [mboca@me.com]
> Sent: Wednesday, February 03, 2016 10:44 AM
> To: Smith, Paul (GOV)
> Cc: Clement, Elizabeth (GOV)
> Subject: Re: SEOC Update 2/2/16 - Flint Water - Limited Distribution
>
> In the children that tested> 5 ug/dl- what are their actual blood levels and has anyone tested > 45 ug/dl (treatment level)
>
> What is plan for follow up testing?
> What is plan for developmental testing and follow up?
> Thanks
> Lisa
>
> Lisa Oca, MD
> Executive Office of the Governor
> Agenda of the First Lady
> State of Michigan
>
> Sent from my iPad
>
> On Feb 3, 2016, at 10:21 AM, Smith, Paul (GOV) <SmithP29@michigan.gov> wrote:
>
> > Thank you. I will get it.

On Feb 3, 2016, at 10:20 AM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:

Lisa,

Copying Paul Smith on this. He can follow up with SEOC to track down the data for you.

Sent from my iPad

> On Feb 3, 2016, at 9:58 AM, Melisa Oca <mboca@me.com> wrote:
>
> Sorry -on closer inspection I see we have tested about half of children ages 1 and higher. Do we have data on non-Medicaid enrolled children?
>
> Lisa Oca, MD
> Executive Office of the Governor
> Agenda of the First Lady
> State of Michigan
>
> Sent from my iPad
>
> > On Feb 2, 2016, at 9:45 PM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:
> >
> > Here is the update from this evening. I will track down the data from a few months ago so you can compare the numbers.
> >
> > Sent from my iPhone
> >
> > Begin forwarded message:
> >
> > From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov<mailto:KelenskeC@michigan.gov>>

Date: February 2, 2016 at 9:44:18 PM EST

To: "Etue, Kriste (MSP)" <EtueK@michigan.gov<mailto:EtueK@michigan.gov>>, "Gorski, Gary (MSP)" <GorskiG@michigan.gov<mailto:GorskiG@michigan.gov>>, "Smith, Paul (GOV)" <SmithP29@michigan.gov<mailto:SmithP29@michigan.gov>>, "Baird, Richard (GOV)" <bairdr@michigan.gov<mailto:bairdr@michigan.gov>>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov<mailto:clemente@michigan.gov>>, "Snyder, Rick (GOV)" <snyderr11@michigan.gov<mailto:snyderr11@michigan.gov>>, "Calley, Brian (GOV)" <calleyb11@michigan.gov<mailto:calleyb11@michigan.gov>>, "Creagh, Keith (DEQ)" <creaghk@michigan.gov<mailto:creaghk@michigan.gov>>, "Lyon, Nick (DHHS)" <LyonN2@michigan.gov<mailto:LyonN2@michigan.gov>>

Cc: "Banner, Shanon (MSP)" <BannerS@michigan.gov<mailto:BannerS@michigan.gov>>, "Leix, Ron (MSP)" <LeixR@michigan.gov<mailto:LeixR@michigan.gov>>, "Murray, David (GOV)" <MurrayD1@michigan.gov<mailto:MurrayD1@michigan.gov>>, "Holland, Meegan (GOV)" <HollandM2@michigan.gov<mailto:HollandM2@michigan.gov>>, "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov<mailto:KatarskyA@michigan.gov>>, "Sachs, Tori (GOV)" <SachsT@michigan.gov<mailto:SachsT@michigan.gov>>, "Agen,

Jarrod (GOV)"
<AgenJ@michigan.gov<mailto:AgenJ@michigan.gov>>, "Scott, Allison (GOV)"
<scotta12@michigan.gov<mailto:scotta12@michigan.gov>>, "Redford, James (GOV)"
<RedfordJ@michigan.gov<mailto:RedfordJ@michigan.gov>>,
"Forstner, Nathaniel (GOV)"
<forstnern1@michigan.gov<mailto:forstnern1@michigan.gov>>

Subject: SEOC Update 2/2/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 2/2/16 – 29th Day (28th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- Continue investigating a warehousing option for non-palletized donations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long

Term Recovery - recovery plan/transition of PODs.

- Continue to work on SBA application.
- Obtain additional information from the City of Flint and Genesee County for appeal.

Status on Governor's request letter to the President:

* Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
* Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Attached:

1. MDDHS Director's Sit Rep: Reference blood lead testing results.
2. Sit Rep #28

Key items for tomorrow to note are:

- 10 American Red Cross Teams scheduled for Wednesday, February 3, 2016
- Apartment complexes will be targeted tomorrow.
- We anticipate providing a cleaner way to view the numbers at a glance starting tomorrow.
- Work with the Chamber of Commerce and MEDC to get more businesses for the SBA declaration. Found that we only have a gross revenue loss of 24% when it needs to exceed 40%. Will follow up first thing with SBA to double check this. Chamber of

Commerce was to provide the top 5 businesses with losses.

Items to Note

- 10 ARC Flint Water Response Teams to the field today.
- Team Priority Visited Today: Completed Section 8 housing list. 10 remaining franchise customers.
- SEOC Logistics worked with DTMB to secure additional warehouse location for donated water.
- JIC partnered with the Michigan Association of Broadcasters (MAB) to record two PSAs in Spanish. The PSAs were shared with MAB member stations.
- SEOC Finance met with State Budget Office to discuss and develop collaborative cost reporting for all state agencies.
- SEOC Planning finalized Small Business Administration request for economic injury.
- Information reported to the JIC:

o As of 2/2/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I

Phase II

Targeted Total

Targeted Canvassing Mission 2/2/16*

30,770

37,844

12,406

530

*There were issues with the app in the field on February 2, 2016. Outstanding data will be included tomorrow night.

2. Distributed:

Commodity

Total to Date

1. Number of cases of water

255,457

1. Filters

102,498

1. Filter cartridges

206,642

1. Test kits

33,243*

*Adjusted due to test kits were not assembled at POD 1 yesterday and sent back to warehouse. Those kits were included as distributed and should not have been.

3. Resources purchased:

a. Cases of water 2,715,324 Liters (additional 1,209,675 Liters donated)

b. Filters 266,312*

c. Filter Cartridges 584,957*

d. Test kits 62,701

*Includes back data, not previously accounted for, from MDHHS purchases on January 12-16, 2016 so there is a jump in the amounts.

4. Teams going out tomorrow:

a. 10 American Red Cross Teams scheduled for Wednesday, February 3, 2016.

Standing Information Requirements

1. Number of homes visited each day:

a. 2/2/16, as of 5 pm, 530 homes were visited today

2. Total number of homes visited:

a. Targeted Canvassing Mission: 12,406

3. Total number of National Guard on the ground:

a. 53

4. Total Number of Volunteers each day:

a. 27 volunteers on 2/2/16, per ARC.

5. *Number of homes with filters:

Total Number

Number with filters

Residential parcels

38,831

28,277

Active residential water subscribers

26,673

22,491

6. Number of Water filters distributed (each day and to date):

a. 587 (172 FWRT + 415 PODs [1700 2/1 to 1600 2/2]) were distributed since this report yesterday and total distributed to date is 102,498.

7. Cases of Bottle water distributed (each day and to date):

a. 10,524 (444 FWRT +10,080 cases or 120,960 liters PODs [1700 2/1 to 1600 2/2]) were distributed since this report yesterday and the total distributed to date is 255,457 cases or 3,065,484 Liters.

8. Number of testing kits distributed (each day and to date):

a. 491 (56 FWRT +435 PODs [1700 2/1 to 1600 2/2]) were distributed since this report yesterday and the total distributed to date is 33,243.

9. Number of people tested for elevated blood levels (kids, adults, total):

a. See attached MDHHS Sit Rep, pages 1 and 3 – this is a new format from DHHS but we are working to pull it into an easier format.

10. Number of people with elevated blood level (kids, adults, total):

a. See attached MDHHS Sit Rep, pages 1 and 3 -- this is a new format from DHHS but we are working to pull it into an easier format.

11. Number of homes with safe drinking water:

a. Drinking water (Analyzed 9/3/15 to 2/2/16)

i. 5516 out of 5906 (93%) at or below 15 ppb (390 tests above)

ii. <5 ppb: 4853 (82%)

iii. 5-15 ppb: 663 (11%)

iv. > 15 ppb: 390 (7%)

v. >30 ppb: 214 (4%)

vi. >150 ppb: 50 (0.8%) (DEQ and DHHS are working to get a plan in place to ensure these homes are visited).

*Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

- Coordinating rapid response deliveries to homebound residents and special locations.
- Coordinating distribution of appropriate supplies to Flint water

system franchise customers outside the City of Flint.

- Coordinating with owner of new warehouse site for access to the site, and operations at the facility.
- Addressing various public concerns, including availability of supplies to residents in apartment complexes.
- Attended meeting with UM-Flint to discuss student volunteer opportunities and potential communications support.
- Attended VOAD meeting to discuss volunteer engagement, volunteer management, and distribution management.
- Coordinating replacement for Team Rubicon after their demobilization for rapid response deliveries.

Chris

From: Kelenske, Chris (MSP)

Sent: Monday, February 01, 2016 9:48 PM

To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov<mailto:snyderr11@michigan.gov>'; 'calleyb11@michigan.gov<mailto:calleyb11@michigan.gov>'; Creagh, Keith (DEQ); Lyon, Nick (DHHS)

Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)

Subject: SEOC Update 2/1/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 2/1/16 – 28th Day (27th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Finalize new Incident Action Plan (IAP) for Operational Period 2/2/16 to 2/9/16.
- Sync up with the UCG to ensure lines of communication and operation are clear.
- Ensure adequate quantities of supplies to support operations.
- Continue investigating a warehousing option for non-palletized donations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Continue to work on SBA application – pends status of Declaration of Emergency appeal.
- Obtain additional information from the City of Flint and Genesee County for appeal.

Status on Governor's request letter to the President:

* Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.

* Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal. IHP is an Individual Assistance program.

Attached:

1. SitRep 27

2. Flint Water Timeline (DRAFT) – This is a running record I keep so I have it for future reference. This is draft but thought some of you may want it at this time.

3. State Agency Weekly Activities – It was mentioned on the morning call to have a weekly activities sheet. I am certain there are other events to be added but this is from the SEOC personnel.

4. Day to Day POD Comparison Data – Internal for EMHSD and FEMA

Key items for tomorrow to note are:

· 10 American Red Cross Teams scheduled for Tuesday, February 2, 2016

· Franchise Customers continue to be targeted for visits with additional to be determined.

Items to Note

· The question came up as to the difference between active residential

customers and residential parcels. Customers are on the Flint water system according to what the City of Flint provides us. Residential parcels are those not on the system for numerous reasons to include them having a well or just not connected to the system. We are aware some not on the system have gotten filters. I also do not have a lot of faith in the records provided to us by the city water department. We just received an updated franchise list which had more customers.from the city that is different from the one we were given earlier.

- Received approval to obtain a former Kroger store near Statoin 6 POD. This will greatly alleviate donation management issues. Office space is available at this location if needed.

- 10 ARC Flint Water Response Teams to the field today.

- GIS was not able to develop maps with today's data due to issues with the software. They will be providing maps first thing tomorrow.

- Recovery Branch coordinated meeting with Michigan Community Service Commission (MCSC), Local EOC, and ARC regarding volunteer coordination and reporting.

- JIC is working to set up a legislative and congressional briefing call this week.

- Information reported to the JIC:

o As of 2/1/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I

Phase II

Targeted Total

ARC Paper Data*
1/31/16

Targeted Canvassing Mission 2/1/16

30,770

37,844

11,876

1,135

1,164

*Data from last night that was not available.

1. Distributed:
Commodity

Total to Date

1. Number of cases of water

244,933

1. Filters

101,911

1. Filter cartridges

205,820

1. Test kits

33,561

1. Resources purchased:

* Cases of water 2,637,324 Liters (additional 1,127,171 Liters donated)
* Filters 165,048
* Filter Cartridges 389,357
* Test kits 62,701

2. Teams going out tomorrow:

* 10 American Red Cross Teams scheduled for Tuesday, February 2, 2016.

Standing Information Requirements

1. Number of homes visited each day:

* 1/31/16, ARC Data, 1,135 homes were visited yesterday. Data was not included in yesterday's report.
* 2/1/16, as of 5 pm, 1,164 homes were visited today

2. Total number of homes visited:

* Targeted Canvassing Mission: 11,876

3. Total number of National Guard on the ground:

* 53

4. Total Number of Volunteers each day:

* 50 volunteers on 2/1/16, per ARC.

5. *Number of homes with filters:

Total Number

Number with filters*

Residential parcels

38,831

28,167

Active residential water subscribers

26,673

22,400

*Number does not include franchise customers, will be updated tomorrow morning.

1. Number of Water filters distributed (each day and to date):

* 1,318 (1,001 FWRT + 317 PODs [1700 1/31 to 1600 2/1]) were distributed since this report yesterday and total distributed to date is 101,911.

2. Cases of Bottle water distributed (each day and to date):

* 10,443 (1,218 FWRT +9,225 PODs [1700 1/31 to 1600 2/1]) were distributed since this report yesterday and the total distributed to date is 244,933.

3. Number of testing kits distributed (each day and to date):

* 1,091 (293 FWRT +798 PODs [1700 1/31 to 1600 2/1]) were distributed since this report yesterday and the total distributed to date is 33,184.

4. Number of people tested for elevated blood levels (kids, adults, total):

* Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351

*this data will not be updated again until Tuesday.

1. Number of people with elevated blood level (kids, adults, total):

* Per CHECC: These numbers are only updated bi-weekly

i. Children less than 6 years old = 5 µg/dl since 10/1/2015: 38

ii. Children 6 to 17 years old = 5 µg/dl since 10/1/2015: 7

iii. Adults 18 years and older = 5 µg/dl since 10/1/2015: 22

*This data will not be updated again until Tuesday

1. Number of homes with safe drinking water:

* Drinking water (9/3/15 to 2/1/16)*

i. 5227 out of 5590 (94%) at or below 15ppb (363 tests above)

ii. <5 ppb: 4594 (82%)

iii. 5-15 ppb: 633 (11%)

iv. > 15 ppb: 363 (6%)

v.

> 150 ppb: 48 (0.9%) – DEQ was tasked with getting better information on this as to how many are residences, what steps have been taken with them, how many have been "cleared," and how many are new. They will be working on it first thing tomorrow. Based on sheets I was provided this evening, since the report on Friday:

1. Saturday there were 4 additional results >150 ppb

2. Sunday there were 5 additional results >150 ppb

3. Monday there were 6 additional results >150 ppb

vi.

> 30 ppb: 199 (4%)

*Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

* Coordination of rapid response deliveries to homebound residents and special locations.

* Finalized rapid response delivery plan with ARC, Team Rubicon, Michigan Community Service Commission and SEOC.

* IC/Genesee County EMC attended county commission meeting, briefed commission on response efforts, and addressed questions and concerns.

* Addressing public concerns, including rumors of availability of FEMA relocation assistance.

* Coordinating with charter schools outside the city of Flint/Flint water system for supply of water resources to students that are Flint residents.

* Attended conference call with Dow Chemical to discuss potential donation of filter systems. Will

provide spec sheets to SEOC Logistics.

Chris

From: Kelenske, Chris (MSP)

Sent: Sunday, January 31, 2016 9:37 PM

To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov<mailto:snyderr11@michigan.gov>'; 'calleyb11@michigan.gov<mailto:calleyb11@michigan.gov>'; Creagh, Keith (DEQ); Lyon, Nick (DHHS)

Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV)

Subject: SEOC Update 1/31/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 1/31/16 – 27th Day (26th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- Continue investigating a warehousing option for non-palletized donations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.

- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
- Finalize SBA application.

Status on Governor's request letter to the President:

* Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.

* Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- 10 American Red Cross Teams scheduled for Monday, February 1, 2016
- City Sections Scheduled Tomorrow*: Franchise Customers, Additional to be determined.

*City sections subject to change based on available data updates. Teams will reach out for additional assignments if entire city section is completed during the operational period.

Items to Note

· 10 ARC Flint Water Response Teams to the field today.

· Information reported to the JIC:

o As of 1/31/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)

1. Homes visited by the FWRTs to date.

Phase I

Phase II

Targeted Total

Targeted Canvassing Mission 1/31/2016

30,770

37,844

9,577

551*

*Due to an issue with the iPads in the field not all numbers were captured for today's outreach. The additional residences will be entered tonight by ARC and will be included in the data for tomorrow, per Recovery Branch.

2. Distributed:

Commodity

Total to Date

1. Number of cases of water

234,490

1. Filters

100,593

1. Filter cartridges

204,736

1. Test kits

32,093

3. Resources purchased:

a. Cases of water 2,637,324 Liters (additional 996,080 Liters donated)

b. Filters 165,048

c. Filter Cartridges 383,282

d. Test kits 62,701

4. Teams going out tomorrow:

a. 10 American Red Cross Teams scheduled for Monday, February 1, 2016.

New Standing Information Requirements

1. Number of homes visited each day:

* 1/31/16, as of 5 pm, 551* homes were visited today

i

. *The numbers are low due to an issue with the iPad input, the additional residences will be inputted tonight and included in tomorrow numbers.

1. Total number of homes visited:

* Targeted Canvassing Mission: 9,577

2. Total number of National Guard on the ground:

* 53

3. Total Number of Volunteers each day:

* 236 volunteers on 1/31/2016, per ARC.

4. Number of homes with filters:

Total Number

Number with filters

Residential parcels

38,831

28,081

Active residential water subscribers

26,673

22,334

1. Number of Water filters distributed (each day and to date):

* 624 (299 FWRT + 325 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and total distributed to date is 100,593.

2. Cases of Bottle water distributed (each day and to date):

* 7,302 (426 FWRT +6876 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and the total distributed to date is 234,490.

3. Number of testing kits distributed (each day and to date):

* 581 (251 FWRT +330 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and the total distributed to date is 32,093.

4. Number of people tested for elevated blood levels (kids, adults, total):

* Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351

*This data will not be updated again until Tuesday.

1. Number of people with elevated blood level (kids, adults, total):

* Per CHECC: These numbers are only updated bi-weekly

i. Children less than 6 years old = 5 µg/dl since 10/1/2015: 38

ii. Children 6 to 17 years old = 5 µg/dl since 10/1/2015: 7

iii. Adults 18 years and older = 5 µg/dl since 10/1/2015: 22

*This data will not be updated again until Tuesday

1. Number of homes with safe drinking water:

* 5,020 water samples out of 5,356 sampled through January 31, 2016 are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

Local EOC

· Addressing various public concerns, including concerns regarding filter efficiency.

* Establishing procedures for receiving incoming donations of loose water at overflow locations.

* Established rapid response delivery plan with ARC and Team Rubicon.

* Coordinated rapid response deliveries to homebound residents and special locations.

* Coordinated with VRC for door-to-door distribution of recycling information and supplies.

* Genesee County Board of Commissioners meeting scheduled for 02/01/2016.

Chris

<2015-10-01 City of Flint Water Contamination-Shortage SitRep 28 2016-02-....pdf>

<Director's SITREP 02_02_16 FINAL.PDF>

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 4:01 PM
To: MSP-SEOC_GOVERNOR
Cc: MSP-SEOCSDEM; MDEQ-ECC-IMT
Subject: RE: Today's Lead Results Greater Than 100 ppb
Attachments: 20160203_Residents_Sampled_ResultsGreater15ppb.pdf

Hi Ben,

Please find attached map utilizing data through February 2,2016

JEN

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: MSP-SEOC_GOVERNOR
Sent: Tuesday, February 02, 2016 5:04 PM
To: MSP-EOC-MDEQ
Subject: RE: Today's Lead Results Greater Than 100 ppb

Mitch:

Let's upload today's water test results into a map. We need to include this map in the Governor's briefing.

- City divided into zip codes
- Data points placed on parcels to indicate the following:
  - Results over 15ppb
  - Results over 30ppb
  - Results over 100ppb
  - Results over 150ppb
  - Results over 500ppb

Thanks,
Ben

From: MSP-EOC-MDEQ
Sent: Tuesday, February 02, 2016 4:49 PM
To: MSP-SEOCSDEM; MSP-SEOC_GOVERNOR
Cc: Sobieski, Sue (DNR); MDEQ-ECC-IMT; MSP-EOC-MDCH
Subject: Today's Lead Results Greater Than 100 ppb

Per the attached from the DEQ lab, today we had 3 results above 100 parts per billion (ppb):

Lead	1,234 ppb	FLINT,48503
Lead	115 ppb	FLINT, 48503
Lead	1,231 ppb	E Flint, 48503

These numbers will be included in the spreadsheet that gets posted to the web this evening.

Mitch

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: Forstner, Nathaniel (GOV)
Sent: Wednesday, February 03, 2016 7:10 PM
To: MSP-SEOC_GOVERNOR
Subject: RE:

Yes. Very good. Remember that the blood range will now be through 1/29.

From: MSP-SEOC_GOVERNOR
Sent: Wednesday, February 03, 2016 7:07 PM
To: Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
Subject:

Look good?

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Wednesday, February 03, 2016 7:15 PM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: Updated
Attachments: image001.jpg; ATT00001.htm; Flint Blood Testing Report 29Jan16.pdf; ATT00002.htm

Sent from my iPhone

Begin forwarded message:

> **From:** "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
> **Date:** February 3, 2016 at 12:56:15 PM EST
> **To:** "Geiger, Ben (GOV)" <geigerb@michigan.gov>
> **Subject: FW: Updated**
>
> ---
>
> **From:** Grijalva, Nancy (DHHS)
> **Sent:** Wednesday, February 03, 2016 12:35 PM
> **To:** Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
> **Subject:** RE: Updated
>
> OF course... attached. ☺
>
> ---
>
> **From:** Forstner, Nathaniel (GOV)
> **Sent:** Wednesday, February 03, 2016 10:55 AM
> **To:** Grijalva, Nancy (DHHS) <GrijalvaN@michigan.gov>
> **Subject:** RE: Updated
>
> Hi Nancy,
>
> Do you know when the next update of the attached document will be available?
>
> ---
>
> **From:** Grijalva, Nancy (DHHS)
> **Sent:** Thursday, January 28, 2016 5:20 PM
> **To:** Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
> **Cc:** Calley, Brian (GOV) <calleyb11@michigan.gov>
> **Subject:** Updated
>
> Nat,
>
> This is the updated of our original chart. ☺
> Let me know if you need further information.
>
> *Nancy*

Nancy Grijalva
Senior Assistant to Nick Lyon, Director
Michigan Department of Health and Human Services
517-241-1193

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MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 7:20 PM
To: MSP-SEOC_GOVERNOR; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: Today's Water Test Reults

Here's today's summary

5862 out of 6276 (93%) are at or below 15 ppb (414 above)
<5 ppb: 5166 (82%)
5-15 ppb: 696 (11%)
> 15 ppb: 414 (7%)
>30 ppb: 258 (4%)
>150 ppb: 53 (.08%)

Mitch & John

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 7:25 PM
To: MSP-SEOC_GOVERNOR; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: RE: Today's Water Test Reults

>100 ppb: 78 (1%)

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: MSP-SEOC_GOVERNOR
Sent: Wednesday, February 03, 2016 7:23 PM
To: MSP-EOC-MDEQ; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: RE: Today's Water Test Reults

Thanks. Can you add **>100ppb?**

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 7:20 PM
To: MSP-SEOC_GOVERNOR; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
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Mitch & John

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 7:26 PM
To: MSP-SEOC_GOVERNOR
Subject: RE: Today's Water Test Reults

You are welcome!

From: MSP-SEOC_GOVERNOR
Sent: Wednesday, February 03, 2016 7:26 PM
To: MSP-EOC-MDEQ; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: RE: Today's Water Test Reults

Thanks

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 7:25 PM
To: MSP-SEOC_GOVERNOR; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: RE: Today's Water Test Reults

>100 ppb: 78 (1%)

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: MSP-SEOC_GOVERNOR
Sent: Wednesday, February 03, 2016 7:23 PM
To: MSP-EOC-MDEQ; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: RE: Today's Water Test Reults

Thanks. Can you add **>100ppb?**

From: MSP-EOC-MDEQ
Sent: Wednesday, February 03, 2016 7:20 PM
To: MSP-SEOC_GOVERNOR; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: Today's Water Test Reults

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Mitch & John

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

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MSP-SEOC_GOVERNOR

From:	MSP-seocfgc
Sent:	Thursday, February 04, 2016 9:09 AM
To:	Betterly, Steve (DHHS); Simon, Terri (DHHS); Wamsley, Scott (DHHS); Deacon, Brad (MDARD); Beerbower, Byron (MDARD); Merrill, Debra (MDARD); Manning, Peter (AG); Bishop, Mark (MDCR); Levy, Daniel (MDCR); Vargovich, Carol (MCSC); Travelbee, Brent (MDOC); Farmer, Michael V. (MDOC - Training); Bechler, Todd (MDOC); Burgess, Louis (MDE); Moss, Marla (MDE); Hagler, Gary (DNR); Wolf, Jennifer (DNR); Adelman, Mitch (DEQ); Lixey-Terrill, Jennifer (DHHS); Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Wilson, Brian (DHHS); Kirby, Catherine (DIFS); Towne, Karen (LARA); Gensler, Alesha (LARA); Haskin, Sean (LARA); Burton, Steven (DNR); Meka, John (DNR); Badgero, William (MDOS); Bolger, Matt (MSP); Doll, Jeanette (DTMB); McKee, Ryan (DTMB); Rakowski, Rock (DTMB); Phifer, Eileen (MDOT); Vallier, Connie (MDOT); Luepnitz, Ann (Treasury)
Cc:	MSP-SEOCOPSC; MSP-seoclgc; plangc; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; MSP-EOC-MDEQ; MSP-EOC-MDTMB; MSP-EOC-MDHS; MSP-EOC-MDMVA; MSP-EOC-MDNR; MSP-EOC-MDOT; MSP-EOC-MDTREAS; MSP-EOC-MDSTATE; MSP-EOC-MDARD; MSP-EOC-MDATGEN; MSP-SEOC_ARC; MSP-SEOCPIO; MSP-SEOCSDEM; MSP-SEOC_GOVERNOR; MSP-seocfgc; Jenness, Kevin (MSP); Downs, Nancy (MSP); Sheaffer, Richard (MSP)
Subject:	Emergency Purchasing Procedures Memo
Attachments:	Flint Emergency Purchasing Procedures.pdf

Good Morning:

Attached you will find a memo issued by the Department of Technology, Management and Budget Procurement that discusses emergency purchasing procedures as it pertains to the City of Flint Water Emergency. Just to serve as a reminder.

If you have any questions, please let me know.

Thanks much,
Penny Burger

Finance Section Chief
State Emergency Operations Center
Michigan State Police
Emergency Management and Homeland Security Division
Tx: (517)284-3895

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Thursday, February 04, 2016 3:36 PM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: TPs on water bills

Sent from my iPhone

Begin forwarded message:

From: "Brown, Jessica (GOV)" <BrownJ53@michigan.gov>
Date: February 4, 2016 at 11:21:59 AM EST
To: "Sachs, Tori (GOV)" <SachsT@michigan.gov>
Cc: "Geiger, Ben (GOV)" <geigerb@michigan.gov>
Subject: RE: TPs on water bills

Hi Ben –

We're still working to ensure this is the language we'll consistently use moving forward but here is where they stand right now. This spells it out in more detail and should address the Governor's concern regarding the percentages.

Governor proposes $30M to cover Flint water bills

- The Governor announced a proposed plan to request $30 million as part of the Fiscal year 2017 budget proposal to cover Flint residents' water bills because he believes they should not pay for water that wasn't suitable for consumption.
- The proposal calls for a Consumption and Use Credit the city could use to relieve families of a portion of their water bills from April 2014 through April 2016.

- Under the plan, the funding would cover water used for drinking, cooking and bathing which is approximately 65 percent of the water portion of a resident's water and sewer bill.
    - Water & sewer bills are combined.
    - Credit would cover drinking, cooking, bathing.
    - That equates to 65% of the water portion of the water & sewer bill.

    - Residents would still be responsible for covering sewer costs as well as water not used for consumption (i.e. water heaters, outside water use, etc.).
- The Governor's proposal would allow Flint to relieve residents of their water bills or provide payment credits for future use.
- The request will be part of the Governor's official budget presentation next week on Feb. 10.
- The $30 million recommendation builds on the previous $37.3 million in emergency funding already allocated to Flint by the state.
- The recommendation must go through the formal state budget process and be approved by both the House and Senate.

From: Sachs, Tori (GOV)
Sent: Thursday, February 04, 2016 11:17 AM
To: Brown, Jessica (GOV) <BrownJ53@michigan.gov>
Cc: Geiger, Ben (GOV) <geigerb@michigan.gov>
Subject: TPs on water bills

Jess – Can you send Ben G the updated water bill talking points?

Thanks
Tori

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Thursday, February 04, 2016 3:36 PM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: Lead testing

Sent from my iPhone

Begin forwarded message:

> **From:** "Sachs, Tori (GOV)" <SachsT@michigan.gov>
> **Date:** February 4, 2016 at 11:15:54 AM EST
> **To:** "Geiger, Ben (GOV)" <geigerb@michigan.gov>
> **Subject: FW: Lead testing**

From: Eisner, Jennifer (DHHS)
Sent: Wednesday, February 03, 2016 10:59 AM
To: Sachs, Tori (GOV) <SachsT@michigan.gov>
Subject: RE: Lead testing

This letter went home with all Flint children from school:
http://www.michigan.gov/documents/deq/deq-flintwater-Parent-Letter_-FINAL_505194_7.pdf
This message went to all local providers: http://www.michigan.gov/documents/deq/deq-FlintWater-Provider-Ltr-FINAL_504861_7.pdf
The testing info is also on the front page of Lead In Water Information Sheet.

We are also putting together a paid media plan to underscore the importance of testing for children ages 0 to 6. Funding has not yet been identified but we are putting together a proposed plan.

The info has been in press releases but not sure we've done one leading with that recently.

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov

From: Sachs, Tori (GOV)
Sent: Wednesday, February 03, 2016 10:43 AM
To: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>
Subject: Lead testing

Do you have the instructions for parents on where/how to get their kids tested for lead? Is there a release?

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Thursday, February 04, 2016 4:09 PM
To: MSP-SEOC_GOVERNOR
Subject: *Fwd: 2/3 Daily Update*

Sent from my iPhone

Begin forwarded message:

> **From:** "Brown, Jessica (GOV)" <BrownJ53@michigan.gov>
> **Date:** February 3, 2016 at 9:55:31 PM EST
> **Subject: 2/3 Daily Update**
>
> Below and attached.
>
> Thank you,
>
> Jessica M. Brown
>
> Communications Representative
> Executive Office of Michigan Governor Rick Snyder
> O: 517-335-6397
>
> ---
>
> **Flint Water Daily Update**
>
> **Updated Feb. 3**
>
> ***Current Issues Talking Points***
>
> **Governor proposes $30M to cover Flint water bills**
>
> - The Governor announced a proposed plan to request $30 million as part of the Fiscal year 2017 budget proposal to cover Flint residents' water bills because he believes they should not pay for water that wasn't suitable for consumption.

- The proposal calls for a Consumption and Use Credit the city could use to relieve families of a portion of their water bills from April 2014-April 2016.
- Under the plan, the funding would cover water used for drinking, cooking and bathing which is approximately 65 percent of a resident's water bill.
- Residents would still be responsible for covering sewer costs as well as water not used for consumption (i.e. water heaters, outside water use, etc.).
- The Governor's proposal would allow Flint to relieve residents of their water bills or provide payment credits for future use.
- The request will be part of the Governor's official budget presentation next week on Feb. 10.
- The $30 million recommendation builds on the previous $37.3 million in emergency funding already allocated to Flint by the state.
- The recommendation must go through the formal state budget process and be approved by both the House and Senate.

Congressional Hearing

- A Congressional hearing on Flint water took place today in Washington D.C.
- Interim DEQ Director Keith Creagh and Virginia Tech Professor of Environmental and Water Resources Engineering Marc Edwards testified in the hearing of the Reform and Oversight Committee.
- To date, the Governor has not been invited to testify before Congress.
- The Governor remains focused on fixing the problem in Flint. He is committed to establishing both a short and long-term solution to ensure clean, safe drinking water for Flint families.
- He was in Flint today meeting with local community leaders and discussing the Consumption and Use Credit $30 million budget proposal with local media outlets.

Democratic Presidential Debate coming to Flint

- It was confirmed today that a Democratic Presidential debate will take place in Flint in early March.
- To date the Federal Government has provided only $5 million in funding to assist residents in Flint while the State has allocated $37.3 million in emergency funding to support Flint families.
- The Governor also proposed a plan to dedicate an additional $30 million as part of his upcoming formal budget presentation to assist Flint residents with water bill payments.
- What will help Flint more than a presidential debate is working together to implement concrete solutions that will aid the city along its road to recovery now and into the future.
- It is important we draw on all available resources to help meet both the immediate and long-term needs of Flint residents.

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Thursday, February 04, 2016 8:17 PM
To: plangc
Cc: MSP-SEOCSDEM; MSP-SEOC_GOVERNOR; MDEQ-ECC-IMT
Subject: Today's Water Test Results - Thru 2/4/2016

Total number of samples: 6748
6308 out of 6695 (93%) are at or below 15 ppb (440 >15)
<5 ppb: 5551 (82%)
5-15 ppb: 757 (11%)
>15 ppb: 440 (7%)
>30 ppb: 240 (4%)
> 100 ppb: 80 (1%)
> 150 ppb: 53 (.08%)

Mitch

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Saturday, February 06, 2016 7:43 AM
To: MSP-SEOC_GOVERNOR; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: 2/5 Sample Result Numbers

6672 out of 7132 (6%) are at or below 15 ppb (460 above)
<5 ppb: 5864(82%)
5-15 ppb: 807 (11%)
> 15 ppb: 460 (6%)
>30 ppb: 254 (4%)
>150 ppb: 53 (.07%)

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Saturday, February 06, 2016 9:37 AM
To: MSP-SEOC_GOVERNOR; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: CORRECTION RE: 2/5 Sample Result Numbers

The first line percentage was reporting incorrectly. The percentage has been corrected:
6672 out of 7132 **(94%)** are at or below 15 ppb (460 above)

From: MSP-EOC-MDEQ
Sent: Saturday, February 06, 2016 7:43 AM
To: MSP-SEOC_GOVERNOR; MSP-SEOCSDEM
Cc: MDEQ-ECC-IMT
Subject: 2/5 Sample Result Numbers

6672 out of 7132 (6%) are at or below 15 ppb (460 above)
<5 ppb: 5864(82%)
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> 15 ppb: 460 (6%)
>30 ppb: 254 (4%)
>150 ppb: 53 (.07%)

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MDHHS
Michigan Department of Health & Human Services
RICK SNYDER, GOVERNOR · NICK LYON, DIRECTOR

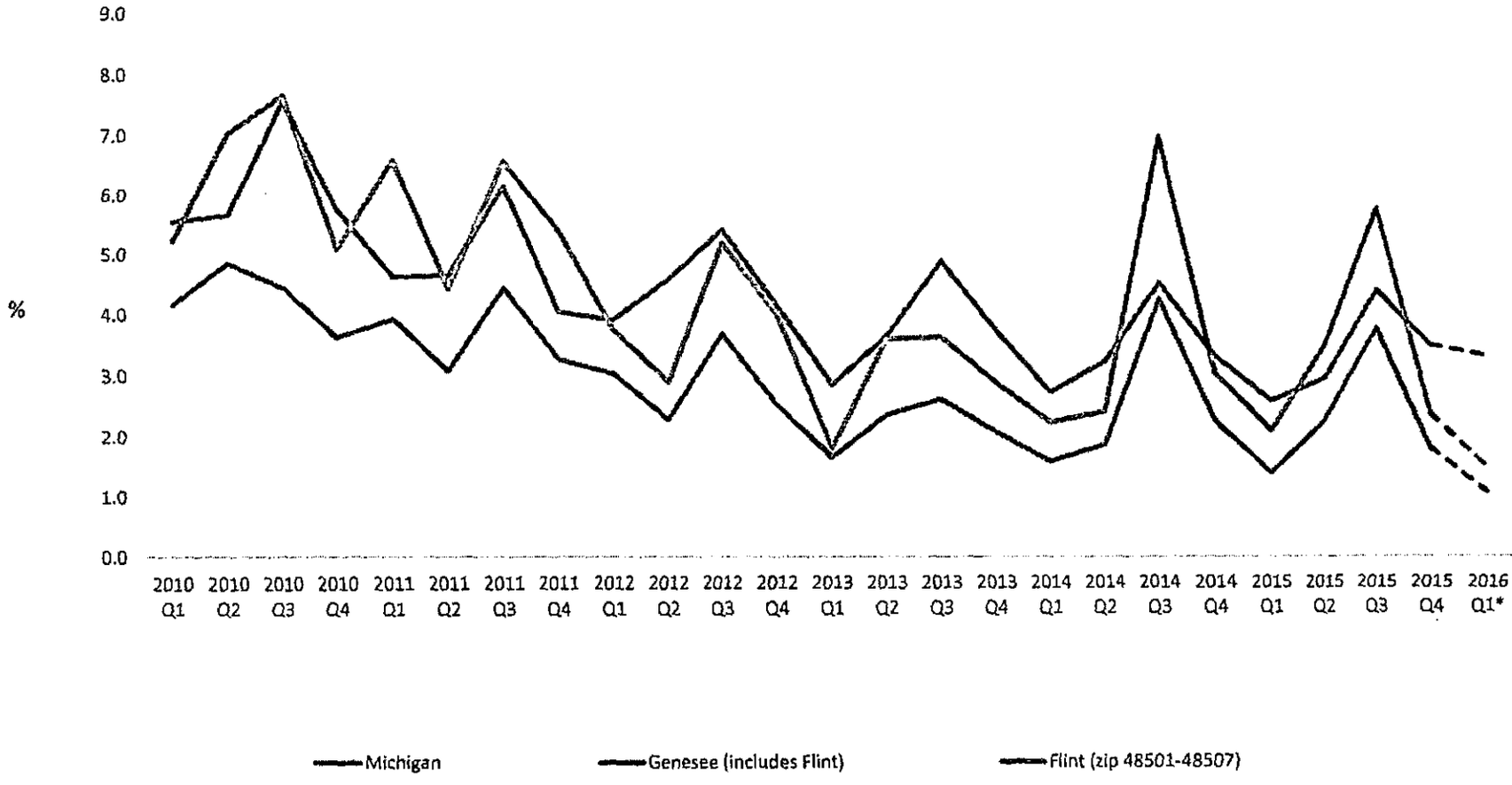
Michigan Department of Health and Human Services (MDHHS) Blood Lead Level Test Results for Flint Zip Codes 48501-48507, Genesee County, and the State of Michigan Summary as of January 22, 2016

Executive Summary

This report is generated by MDHHS to track Blood Lead Level test results in Flint, Michigan.

- Counts on this report include both capillary and venous blood tests.
- People who have had multiple tests are counted only once per year. People counted in 2015 who were tested again after 1/1/2016 are counted in both years.
- Between 10/1/2015 and 1/22/2016, an additional 3,351 people were tested in Flint.
- Continued testing efforts by Genesee County Health Department, MDHHS and local medical personnel have identified 45 children with blood lead levels greater than or equal to 5 mcg/dl (micrograms lead per deciliter of blood) since 10/1/2015.
- Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, MDHHS recognizes that the full community of Flint must be the focus of the public health response.
- 2.5 percent of Flint children younger than 6 years old tested between 10/1/2015 and 1/22/2016, had blood lead levels greater than or equal to 5 mcg/dl.
- After refining our methods to identify age, some people are now counted in a different age group than on previous reports. The total counts for each year have not changed.

Incidence of elevated blood lead ≥ 5 mcg/dl among children < 6 years of age by quarter, Michigan, 2010- 2016



* Data for Quarter 4 of 2015 and Quarter 1 of 2016 are incomplete and subject to change.

	Children younger than 6 Years Old			Children 6 to 17 Years Old		
	Michigan	Genesee County	Flint, 48501-48507	Michigan	Genesee County	Flint, 48501-48507
Total tested for lead 1/1/2010 to 12/31/2010:	156,014	7,053	3,630	14,729	760	400
Number (percent) of test results ≥ 5 mcg/dL 1/1/2010 to 12/31/2010:	9,754 (6.3%)	306 (4.3%)	230 (6.3%)	665 (4.5%)	17 (2.2%)	12 (3.0%)
Total tested for lead from 1/1/2011 to 12/31/2011:	152,333	6,760	3,145	12,959	959	499
Number (percent) of test results ≥ 5 mcg/dL 1/1/2011 to 12/31/2011:	7,571 (5.0%)	252 (3.7%)	182 (5.8%)	474 (3.7%)	19 (2.0%)	13 (2.6%)
Total tested for lead 1/1/2012 to 12/31/2012:	149,037	7,152	3,198	12,710	1,259	561
Number (percent) of test results ≥ 5 mcg/dL 1/1/2012 to 12/31/2012:	6,832 (4.6%)	210 (2.9%)	130 (4.1%)	351 (2.8%)	13 (1.0%)	9 (1.6%)
Total tested for lead 1/1/2013 to 12/31/2013:	148,400	7,132	3,142	11,428	1,109	505
Number (percent) of test results ≥ 5 mcg/dL 1/1/2013 to 12/31/2013:	5,720 (3.9%)	158 (2.2%)	96 (3.1%)	269 (2.4%)	7 (0.6%)	3 (0.6%)
Total tested for lead 1/1/2014 to 12/31/2014:	143,838	6,820	3,102	10,562	788	372
Number (percent) of test results ≥ 5 mcg/dL 1/1/2014 to 12/31/2014:	5,051 (3.5%)	178 (2.6%)	122 (3.9%)	285 (2.7%)	6 (0.8%)	5 (1.3%)
Total tested for lead 1/1/2015 to 12/31/2015:	139,775	6,902	3,340	10,336	1,542	1,062
Number (percent) of test results ≥ 5 mcg/dL 1/1/2015 to 12/31/2015:	4,765 (3.4%)	160 (2.3%)	112 (3.4%)	253 (2.4%)	10 (0.6%)	8 (0.8%)
Total tested for lead* 10/1/2015 to 1/22/2016:	38,747	2,573	1,505	3,611	1,204	963
Number (percent) of test results ≥ 5 mcg/dL 10/1/2015 to 1/22/2016:	1,498 (3.9%)	51 (2.0%)	38 (2.5%)	95 (2.6%)	8 (0.7%)	7 (0.7%)
Total tested for lead* 4/1/2014 to 1/22/2016:	226,601	11,270	5,312	18,209	2,340	1,516
Number (percent) of test results ≥ 5 mcg/dL 4/1/2014 to 1/22/2016:	8,106 (3.6%)	278 (2.5%)	186 (3.5%)	412 (2.3%)	14 (0.6%)	12 (0.8%)
Total tested for lead* 1/1/2016 to 1/22/2016:	4,789	469	269	545	242	199
Number (percent) of test results ≥ 5 mcg/dL 1/1/2016 to 1/22/2016:	158 (3.3%)	5 (1.1%)	4 (1.5%)	14 (2.6%)	0 (0%)	0 (0%)

* Data for Quarter 4 of 2015 and Quarter 1 of 2016 are incomplete and subject to change.

	Adults 18 Years and Older			Total Number of People of All Ages Tested		
	Michigan	Genesee County	Flint, 48501-48507	Michigan	Genesee County	Flint, 48501-48507
Total tested for lead 1/1/2010 to 12/31/2010:	13,681	588	188	184,424	8,401	4,218
Number (percent) of test results ≥ 5 mcg/dL 1/1/2010 to 12/31/2010:	1,459 (10.7)	42 (7.1%)	18 (9.6%)	11,878 (6.4%)	365 (4.3%)	260 (6.2%)
Total tested for lead 1/1/2011 to 12/31/2011:	13,112	528	132	178,404	8,247	2,726
Number (percent) of test results ≥ 5 mcg/dL 1/1/2011 to 12/31/2011:	1,367 (10.4%)	43 (8.1%)	16 (12.1%)	9,412 (5.3%)	314 (3.8%)	211 (7.7%)
Total tested for lead 1/1/2012 to 12/31/2012:	12,914	539	148	174,661	8,950	3,907
Number (percent) of test results ≥ 5 mcg/dL 1/1/2012 to 12/31/2012:	1,414 (10.9%)	33 (6.1%)	11 (7.4%)	8,597 (4.9%)	256 (2.9%)	150 (3.8%)
Total tested for lead 1/1/2013 to 12/31/2013:	12,081	484	132	171,909	8,725	3,779
Number (percent) of test results ≥ 5 mcg/dL 1/1/2013 to 12/31/2013:	1,499 (12.4%)	54 (11.2%)	16 (12.1%)	7,488 (4.4%)	219 (2.5%)	115 (3.0%)
Total tested for lead 1/1/2014 to 12/31/2014:	12,574	436	111	166,974	8,044	3,585
Number (percent) of test results ≥ 5 mcg/dL 1/1/2014 to 12/31/2014:	1,420 (11.3%)	44 (10.1%)	12 (10.8%)	6,756 (4.0%)	228 (2.8%)	139 (3.9%)
Total tested for lead 1/1/2015 to 12/31/2015:	13,506	1,245	807	163,617	9,689	5,209
Number (percent) of test results ≥ 5 mcg/dL 1/1/2015 to 12/31/2015:	1,370 (10.1%)	48 (3.9%)	21 (2.6%)	6,388 (3.9%)	218 (2.2%)	141 (2.7%)
Total tested for lead* 10/1/2015 to 1/22/2016:	4,391	1,133	883	46,749	4,910	3,351
Number (percent) of test results ≥ 5 mcg/dL 10/1/2015 to 1/22/2016:	490 (11.2%)	35 (3.1%)	22 (2.5%)	2,083 (4.5%)	94 (1.9%)	67 (2.0%)
Total tested for lead* 4/1/2014 to 1/22/2016:	22,111	1,792	1,076	266,921	15,402	7,904
Number (percent) of test results ≥ 5 mcg/dL 4/1/2014 to 1/22/2016:	2,189 (9.9%)	90 (5.0%)	34 (3.2%)	10,707 (4.0%)	382 (2.5%)	232 (2.9%)
Total tested for lead* 1/1/2016 to 1/22/2016:	591	255	206	5,925	966	674
Number (percent) of test results ≥ 5 mcg/dL 1/1/2016 to 1/22/2016:	44 (7.4%)	10 (3.9%)	7 (3.4%)	216 (3.6%)	15 (1.6%)	11 (1.6%)

* *Data for Quarter 4 of 2015 and Quarter 1 of 2016 are incomplete and subject to change.*

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Update 1/31/16 – 27th Day (26th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- Continue investigating a warehousing option for non-palletized donations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
- Shift Water Response Teams operations to a targeted effort to provide filters into homes where data shows where filters have not been provided.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Key items for tomorrow to note are:

- **10 American Red Cross Teams scheduled for Monday, February 1, 2016**
- **City Sections Scheduled Tomorrow***: Franchise Customers, Additional to be determined
  *City sections subject to change based on available data updates. Teams will reach out for additional assignments if entire city section is completed during the operational period.

Items to Note

- 10 ARC Flint Water Response Teams to the field today. RECOVERY
- **City Sections Visited Today:** 28, 17, 11, 27, 29, 30, 31.
- Information reported to the JIC:
  - As of 1/31/16, 4 pm for PODs and 5 pm for FWRT (start date was Tuesday, 1/12/16)
    - Homes visited by the FWRTs to date.

National Guard Reporting FB PODs 2016-mm-dd FWRT TABS

DOESN'T CHANGE ANYMORE

Phase I	Phase II	Targeted Total	Targeted Canvassing Mission 1/31/2016
30,770	37,844	9,577	551*

*Due to an issue with the iPads in the field not all numbers were captured for today's outreach. The additional residences will be entered tonight by ARC and will be included in the data for tomorrow, per Recovery Branch.

NATIONAL GUARD REPORTING FB PODS 2016-mm-dd 1700 → TOTAL NUMBERS TABS

- Distributed:

Commodity	Total to Date
a. Number of cases of water	234,490
b. Filters	100,593
c. Filter cartridges	204,736
d. Test kits	32,093

- Total number of customers on the Flint water system
  a. 29,994 current water system subscribers
  b. ~45,000 hookups (This is our high end target #)
  c. ~39,000 includes apartment complexes (The is the low end target #)

GIS DOESN'T CHANGE ANYMORE

- Resources purchased:
  a. Cases of water 2,637,324 Liters (additional 996,080 Liters donated)
  b. Filters 165,048
  c. Filter Cartridges 383,282
  d. Test kits 62,701

Logistic support supplies.

- Teams going out tomorrow:
  a. 10 American Red Cross Teams scheduled for Monday, February 1, 2016.

ARC

New Standing Information Requirements

National Guard Reporting FD PODs 2016-mm-dd FWRT TAB

1. **Number of homes visited each day:**
   a. 1/31/16, as of 5 pm, 551* homes were visited today
      i. *The numbers are low due to an issue with the iPad input, the additional residences will be inputted tonight and included in tomorrow numbers.
2. **Total number of homes visited:**
   a. Targeted Canvassing Mission: 9,577
3. **Total number of National Guard on the ground:**
   a. 53 DMVA
4. **Total Number of Volunteers each day:**
   a. 236 volunteers on 1/31/2016, per ARC. ARC
5. ***Number of homes with filters:***

DOESN'T CHANGE ANYMORE

	Total Number	Number with filters
Residential parcels	38,831	28,081
Active residential water subscribers	26,673	22,334

GIS

National Guard Reporting FD PODs 2016-mm-dd 1700 TOTAL NUMBERS

6. **Number of Water filters distributed (each day and to date):**
   a. 624 (299 FWRT + 325 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and total distributed to date is 100,593.
7. **Cases of Bottle water distributed (each day and to date):**
   a. 7,302 (426 FWRT +6876 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and the total distributed to date is 234,490.
8. **Number of testing kits distributed (each day and to date):**
   a. 581 (251 FWRT +330 PODs (1700 1/30 to 1600 1/31)) were distributed since this report yesterday and the total distributed to date is 32,093.
9. **Number of people tested for elevated blood levels (kids, adults, total):**
   a. Per CHECC: People tested for Lead 10/1/2015 to 1/22/2016: *3,351
      *this data will not be updated again until Tuesday.
10. **Number of people with elevated blood level (kids, adults, total):**
    a. Per CHECC: These numbers are only updated bi-weekly
       i. Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 38
       ii. Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
       iii. Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 22
       *This data will not be updated again until Tuesday

Community Health updated weekly

MDEQ daily

11. **Number of homes with safe drinking water (Not sure whether it's possible right now to provide this number):**
    a. 5,020 water samples out of 5,356 sampled through **January 31, 2016** are at or below the action level of 15 ppb for lead. Note, per MDEQ, this data is from uncontrolled samples provided by residents.

↳ Also on website

Local EOC

- Addressing various public concerns, including concerns regarding filter efficiency.
- Establishing procedures for receiving incoming donations of loose water at overflow locations.

- Established rapid response delivery plan with ARC and Team Rubicon.
- Coordinated rapid response deliveries to homebound residents and special locations.
- Coordinated with VRC for door-to-door distribution of recycling information and supplies.
- Genesee County Board of Commissioners meeting scheduled for 02/01/2016.

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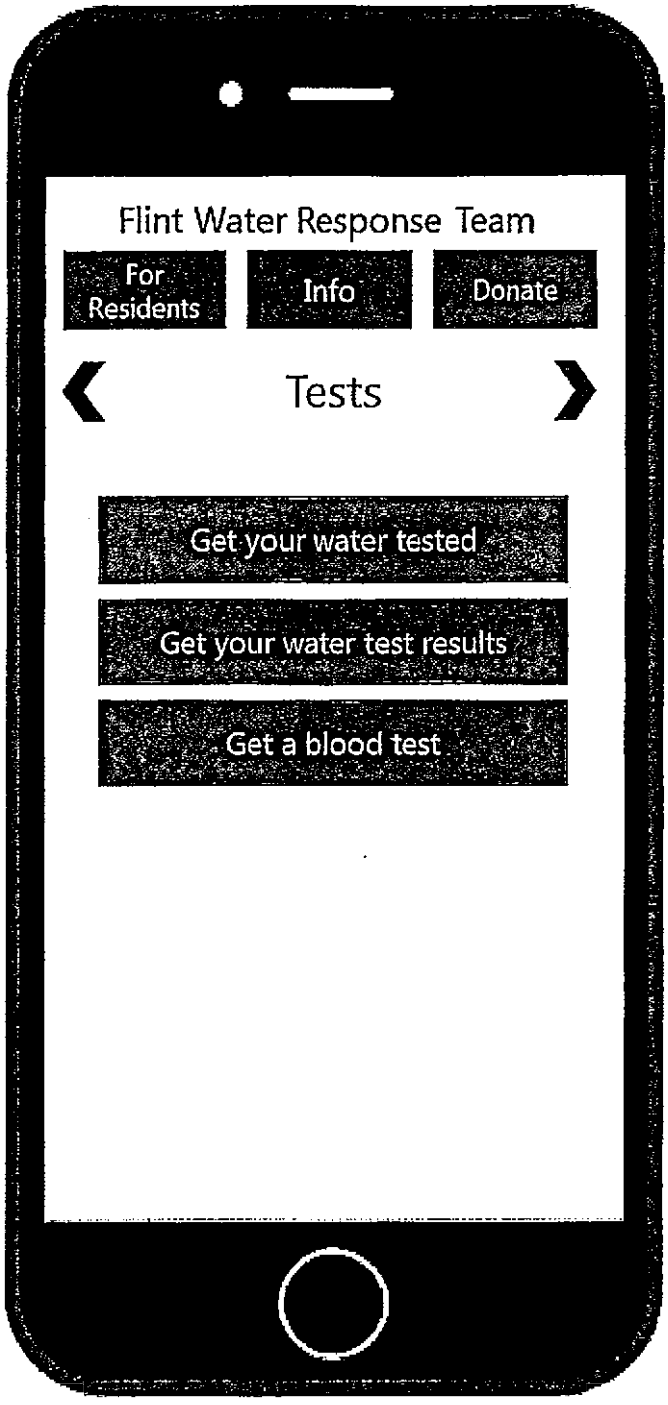
For Residents - Tests



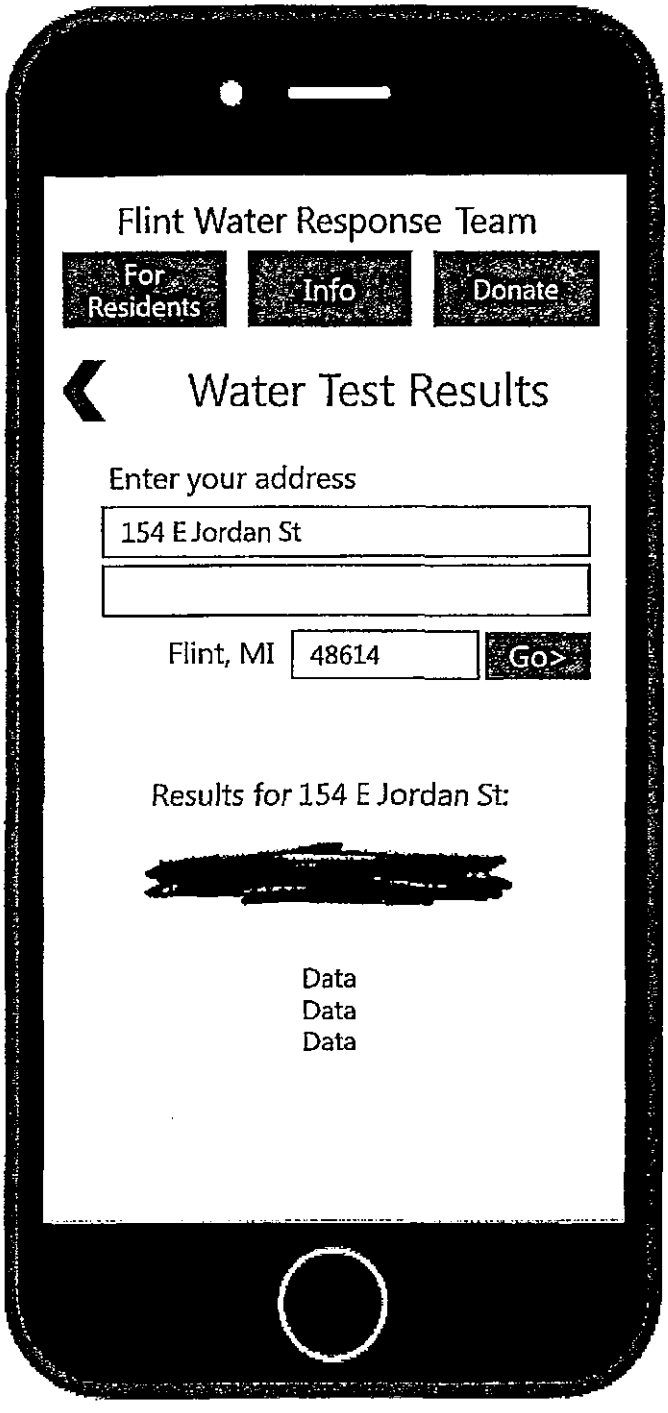
- Links to test resources and existing databases

For Residents - Tests

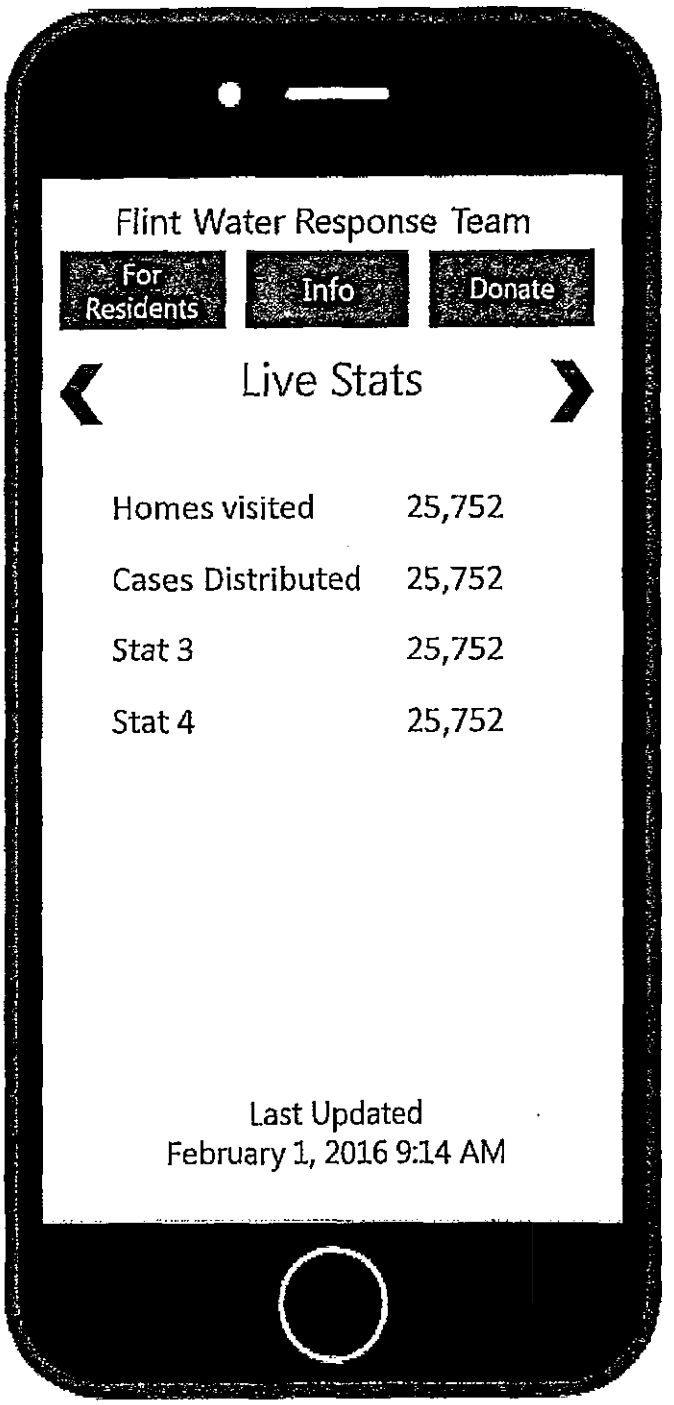
- Links to pages explaining how to get resources
- OR connects with 2-11 using geo-location

For Residents – Water Test Results

- Linked to nightly DEQ Data



Info – Live Stats

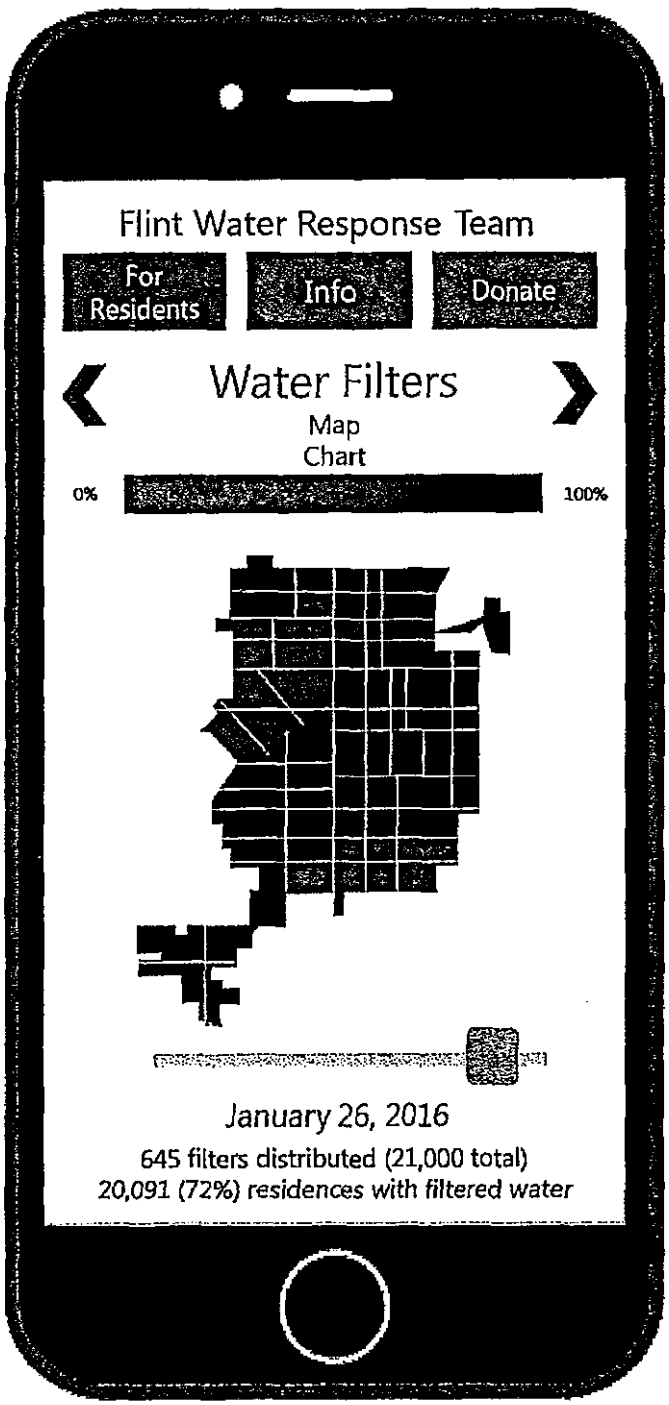


- Linked to GIS Dashboard already in place
- Refreshing the page refreshes the data
  - Homes visited
  - Cases Distributed
  -
  -
  -
  -
  -
  -
  -
  -

Info – FAQ

- FAQ for everyone
- Simple infographics
- Straightforward taking points

Info - Maps and Bar Charts



- Utilize current GIS Maps
- Heat map shows progress
- Slider changes day, data below
  - Homes with Filters
  - Homes Visited
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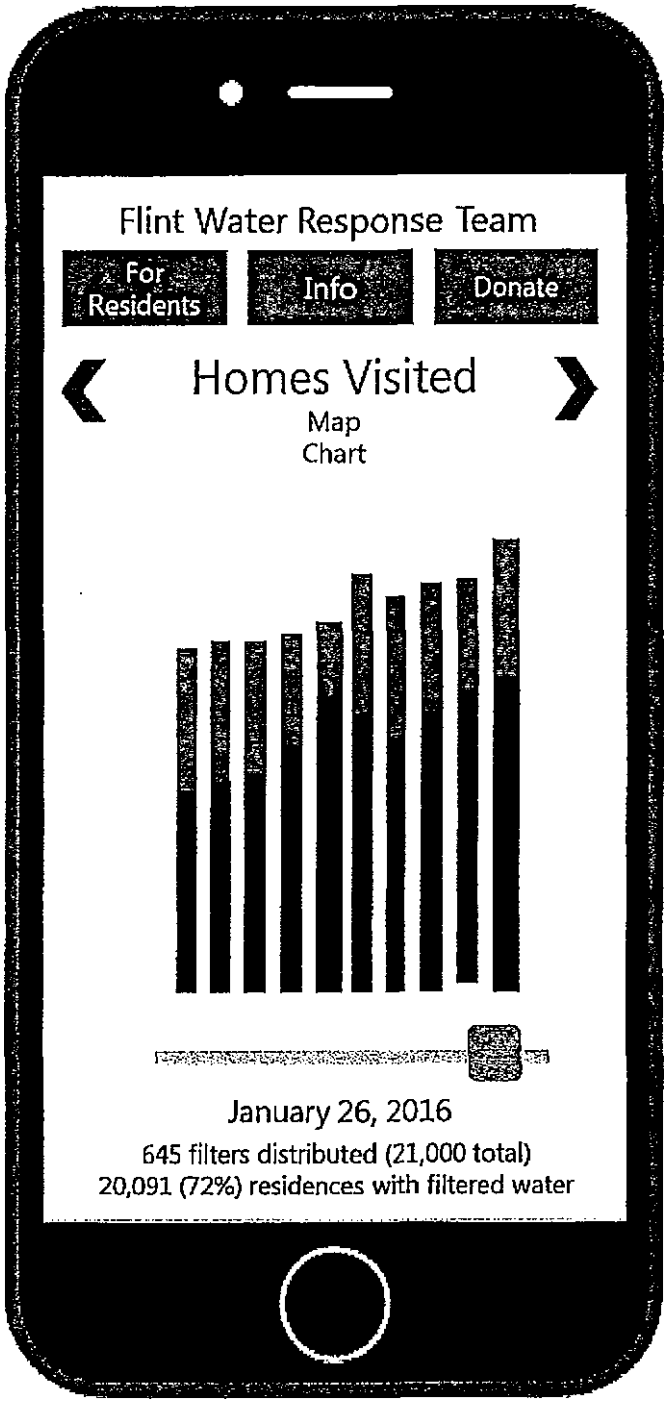
Info - Maps and Bar Charts



- Utilize current GIS Maps
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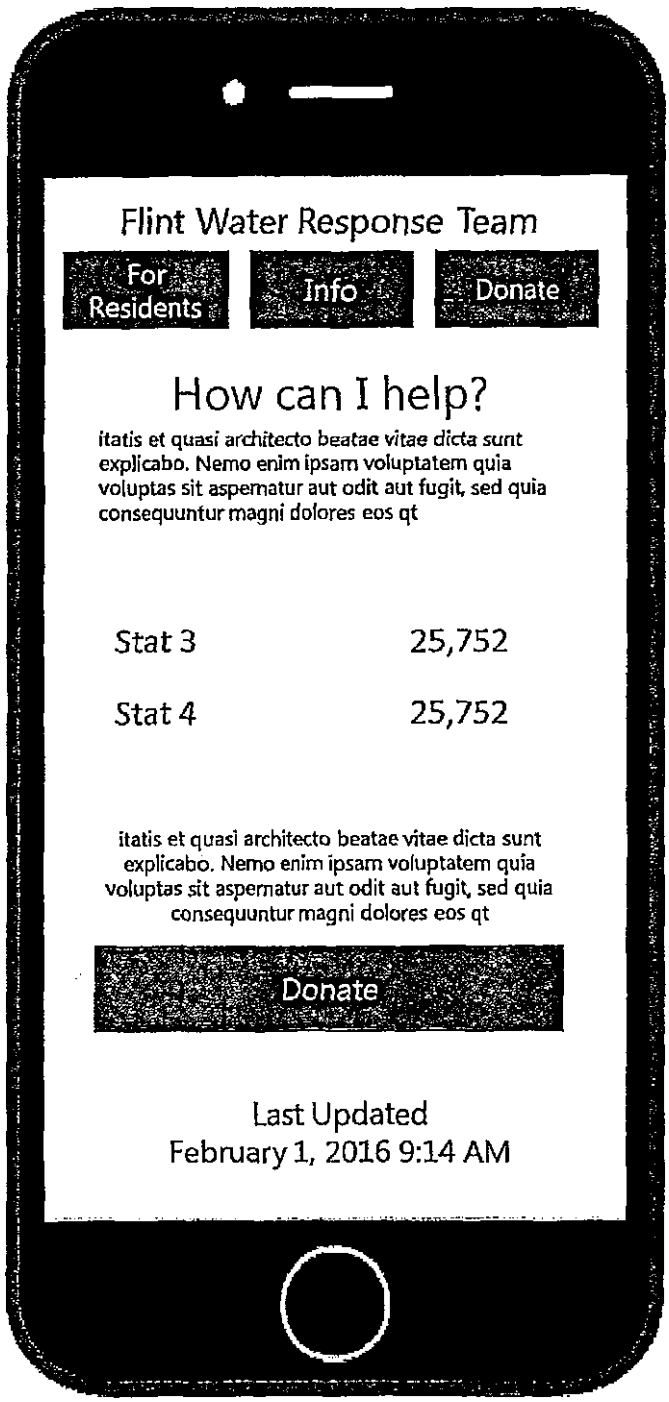
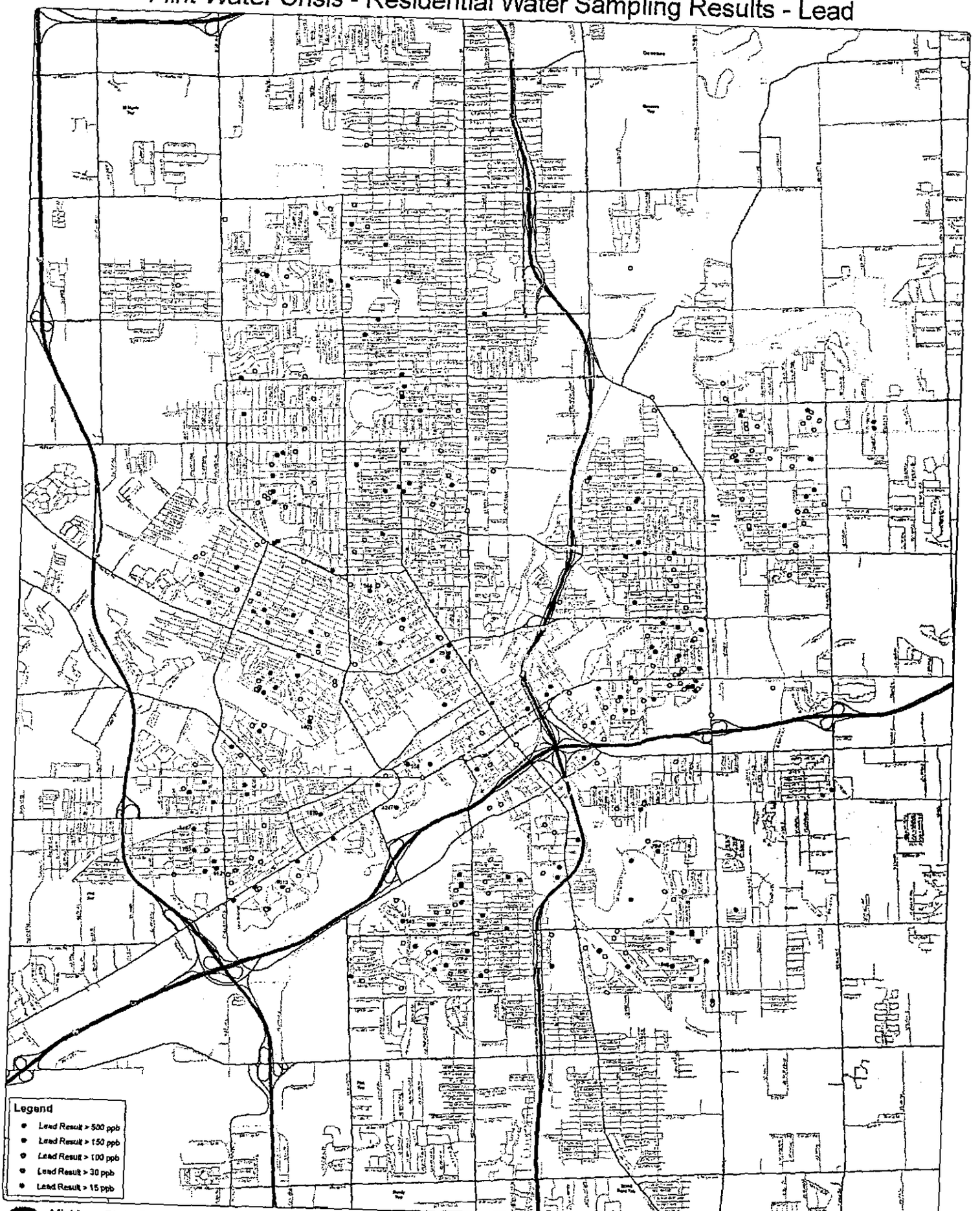
Donate



- Updates when people make a donation
- Directs people to give where the greatest need is

Flint Water Crisis - Residential Water Sampling Results - Lead



Michigan State Police
Emergency Management and
Homeland Security Division

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This information is being produced by the City of Flint, Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD). The MSP/EMHSD assumes no responsibility for the completeness or accuracy of the data displayed on this map. Data layers were compiled from various sources and are not to be considered as a "legal document".

Author: MSP-SEOCGIS2@michigan.gov, (A111)
Created: 12 11 PM, 03 Feb 16

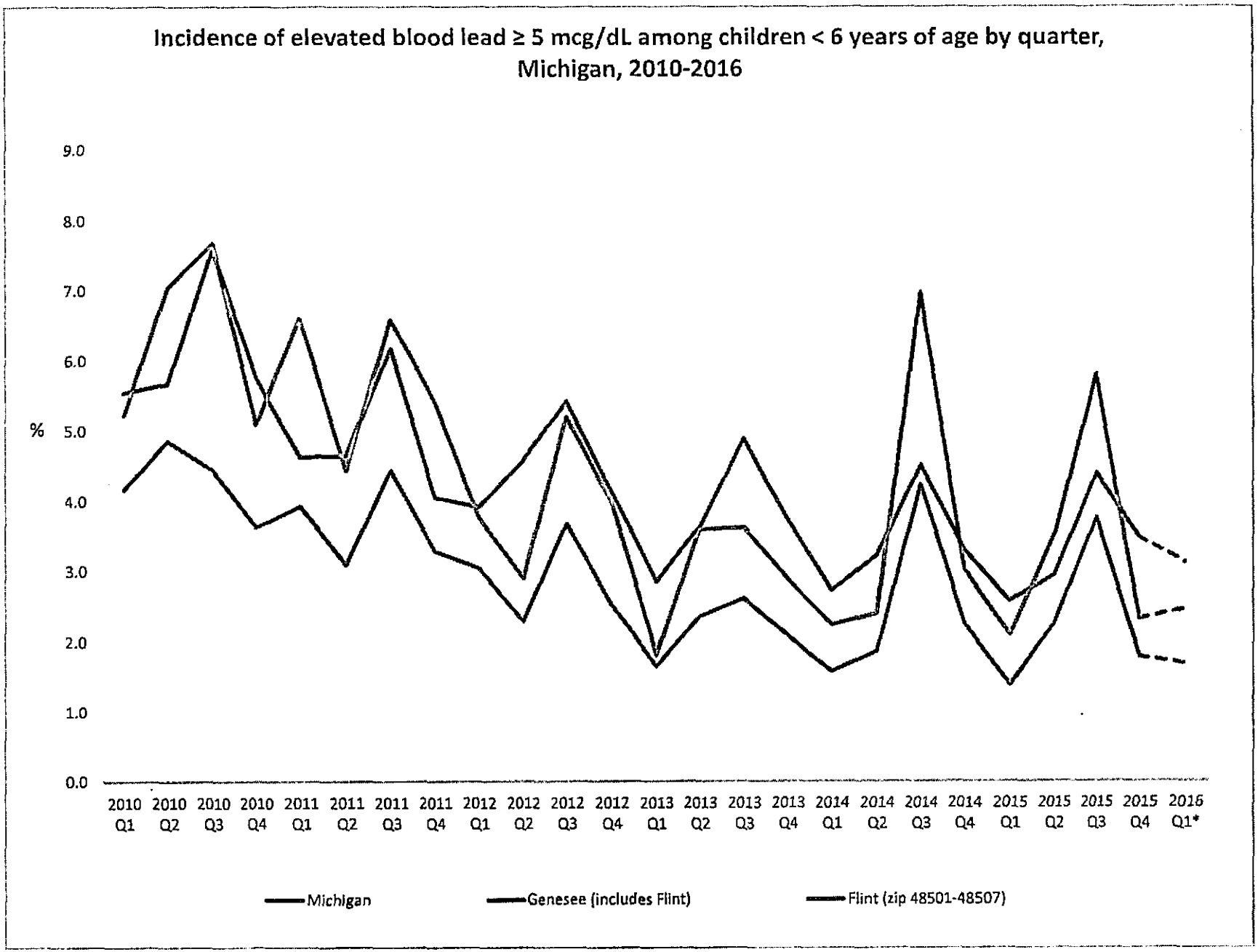
MDHHS
Michigan Department of Health & Human Services
RICK SNYDER, GOVERNOR · NICK LYON, DIRECTOR

Michigan Department of Health and Human Services (MDHHS) Blood Lead Level Test Results for Flint Zip Codes 48501-48507, Genesee County, and the State of Michigan Summary as of January 29, 2016

Executive Summary

This report is generated by MDHHS to track Blood Lead Level test results in Flint, Michigan.

- Counts on this report include both capillary and venous blood tests.
- People who have had multiple tests are counted only once per year. People counted in 2015 who were tested again after 1/1/2016 are counted in both years.
- Between 10/1/2015 and 1/29/2016, an additional 4,578 people were tested in Flint.
- Continued testing efforts by Genesee County Health Department, MDHHS, and local medical personnel have identified 57 children in Flint with blood lead levels greater than or equal to 5 mcg/dL (micrograms lead per deciliter of blood) since 10/1/2015.
- Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, MDHHS recognizes that the full community of Flint must be the focus of the public health response.
- 2.6 percent of Flint children younger than 6 years old tested between 10/1/2015 and 1/29/2016 had blood lead levels greater than or equal to 5 mcg/dL.
- After refining our methods to identify age, some people are now counted in a different age group than on previous reports. The total counts for each year have not changed.



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		Children younger than 6 Years Old			Children 6 to 17 Years Old		
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1/1/2010 to 12/31/2010	Total tested for lead	156,014	7,053	3,630	14,729	760	400
	Number of test results ≥5 mcg/dL	9,754	306	230	665	17	12
	Percent of test results ≥5 mcg/dL	6.3%	4.3%	6.3%	4.5%	2.2%	3.0%
1/1/2011 to 12/31/2011	Total tested for lead	152,333	6,760	3,145	12,959	959	499
	Number of test results ≥5 mcg/dL	7,571	252	182	474	19	13
	Percent of test results ≥5 mcg/dL	5.0%	3.7%	5.8%	3.7%	2.0%	2.6%
1/1/2012 to 12/31/2012	Total tested for lead	149,037	7,152	3,198	12,710	1,259	561
	Number of test results ≥5 mcg/dL	6,832	210	130	351	13	9
	Percent of test results ≥5 mcg/dL	4.6%	2.9%	4.1%	2.8%	1.0%	1.6%
1/1/2013 to 12/31/2013	Total tested for lead	148,400	7,132	3,142	11,428	1,109	505
	Number of test results ≥5 mcg/dL	5,720	158	96	269	7	3
	Percent of test results ≥5 mcg/dL	3.9%	2.2%	3.1%	2.4%	0.6%	0.6%
1/1/2014 to 12/31/2014	Total tested for lead	143,838	6,820	3,102	10,562	788	372
	Number of test results ≥5 mcg/dL	5,051	178	122	285	6	5
	Percent of test results ≥5 mcg/dL	3.5%	2.6%	3.9%	2.7%	0.8%	1.3%
1/1/2015 to 12/31/2015	Total tested for lead*	140,066	6,926	3,357	10,359	1,561	1,078
	Number of test results ≥5 mcg/dL	4,776	160	112	253	10	8
	Percent of test results ≥5 mcg/dL	3.4%	2.3%	3.3%	2.4%	0.6%	0.7%
10/1/2015 to 1/29/2016	Total tested for lead*	42,164	3,112	1,889	4,392	1,757	1,433
	Number of test results ≥5 mcg/dL	1,574	62	49	96	9	8
	Percent of test results ≥5 mcg/dL	3.7%	2.0%	2.6%	2.2%	0.5%	0.6%
4/1/2014 to 1/29/2016	Total tested for lead*	229,075	11,597	5,541	18,947	2,871	1,969
	Number of test results ≥5 mcg/dL	8,161	283	193	413	15	13
	Percent of test results ≥5 mcg/dL	3.6%	2.4%	3.5%	2.2%	0.5%	0.7%
1/1/2016 to 1/29/2016	Total tested for lead*	8,157	1,004	651	1,311	783	658
	Number of test results ≥5 mcg/dL	254	17	16	15	1	1
	Percent of test results ≥5 mcg/dL	3.1%	1.7%	2.5%	1.1%	0.1%	0.2%

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		Adults 18 Years and Older			Total Number of People of All Ages Tested		
		Michigan	Genesee County	Flint, 48501-48507	Michigan	Genesee County	Flint, 48501-48507
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	Percent of test results ≥5 mcg/dL	10.7%	7.1%	9.6%	6.4%	4.3%	6.2%
1/1/2011 to 12/31/2011	Total tested for lead	13,112	528	132	178,404	8,247	2,726
	Number of test results ≥5 mcg/dL	1,367	43	16	9,412	314	211
	Percent of test results ≥5 mcg/dL	10.4%	8.1%	12.1%	5.3%	3.8%	7.7%
1/1/2012 to 12/31/2012	Total tested for lead	12,914	539	148	174,661	8,950	3,907
	Number of test results ≥5 mcg/dL	1,414	33	11	8,597	256	150
	Percent of test results ≥5 mcg/dL	10.9%	6.1%	7.4%	4.9%	2.9%	3.8%
1/1/2013 to 12/31/2013	Total tested for lead	12,081	484	132	171,909	8,725	3,779
	Number of test results ≥5 mcg/dL	1,499	54	16	7,488	219	115
	Percent of test results ≥5 mcg/dL	12.4%	11.2%	12.1%	4.4%	2.5%	3.0%
1/1/2014 to 12/31/2014	Total tested for lead	14,574	436	111	166,974	8,044	3,585
	Number of test results ≥5 mcg/dL	1,420	44	12	6,756	228	139
	Percent of test results ≥5 mcg/dL	9.7%	10.1%	10.8%	4.0%	2.8%	3.9%
1/1/2015 to 12/31/2015	Total tested for lead*	13,515	1,248	810	163,940	9,735	5,245
	Number of test results ≥5 mcg/dL	1,370	48	21	6,399	218	141
	Percent of test results ≥5 mcg/dL	10.1%	3.8%	2.6%	3.9%	2.2%	2.7%
10/1/2015 to 1/29/2016	Total tested for lead*	5,020	1,582	1,256	51,576	6,451	4,578
	Number of test results ≥5 mcg/dL	504	41	28	2,174	112	85
	Percent of test results ≥5 mcg/dL	10.0%	2.6%	2.2%	4.2%	1.7%	1.9%
4/1/2014 to 1/29/2016	Total tested for lead*	22,721	2,243	1,451	270,743	16,711	8,961
	Number of test results ≥5 mcg/dL	2,199	93	41	10,773	391	247
	Percent of test results ≥5 mcg/dL	9.7%	4.1%	2.8%	4.0%	2.3%	2.8%
1/1/2016 to 1/29/2016	Total tested for lead*	1,215	705	580	10,683	2,492	1,889
	Number of test results ≥5 mcg/dL	60	17	14	329	35	31
	Percent of test results ≥5 mcg/dL	4.9%	2.4%	2.4%	3.1%	1.4%	1.6%

* Data for Quarter 4 of 2015 and Quarter 1 of 2016 are incomplete and subject to change.

STATE OF MICHIGAN

RICK SNYDER
GOVERNOR

DEPARTMENT OF TECHNOLOGY, MANAGEMENT & BUDGET
LANSING

DAVID B. BEHEN
DIRECTOR

February 2, 2016

TO: State of Michigan Procurement Leadership

FROM: DTMB Procurement

SUBJECT: Genesee County Water Emergency Response - Purchasing Guidance

Thank you to all who are working to support the State of Michigan's Genesee County, City of Flint water emergency response.

Given the complexity and variety of the needs of this emergency effort, the purchasing support required is complex as well. Purchasing protocols have some differences under this declared state of emergency, and meticulous tracking of expenditures is imperative.

The Michigan State Police (MSP) is the lead agency overseeing the situation and managing the State Emergency Operations Center (SEOC). Flint related purchases must **first** be routed through the appropriate SEOC contact (see attached for an agency roster) to include the SEOC State Director. This is required for all Flint- related purchases without exception. The SEOC financial team is responsible for tracking all expenditures in connection with the emergency efforts.

Each agency is responsible for its own purchasing transactions. This includes p-card transactions and purchase orders, the tracking of all such transactions, and reporting of those transactions to the appropriate SEOC representative. Failure to properly inform the SEOC financial team of any transaction may result in a forfeiture of any potential reimbursement anticipated by the agency.

Agency purchasing managers are responsible to supply their agency's SEOC representative with a 24/7 phone number for agency purchasing staff support and request that the SEOC representative involves them in every purchase. (Note: SEOC hours are 8 am to 8 pm, seven days a week at this time.)

Emergency Purchasing Procedure:
Public Act 431 of 1984 provides an exception to competitive bidding during a state of emergency. However, responsible purchasing procedures are still the expectation for all procurement professionals (agency purchasing staff).

In addition to the notification and reporting expectations set forth above, transactions should be conducted and/or overseen by procurement professionals, with rare exception, in accordance with the following:

- Each agency makes their own determination when an emergency purchase order is required, and is then responsible for the supporting documentation
- Utilize existing State contracts where possible. Contact DTMB Procurement for help negotiating bulk rates or expedited shipments if needed, and for any concerns related to availability of funds on a contract

- Obtain three quotes whenever reasonably practicable
- Post bids online to the extent practicable
- Please escalate any questions to DTMB Procurement before executing a buy
- DTMB Procurement will assist any agency upon request to address supply chain issues (e.g. working with a national supplier to ensure a high volume supply of water filters are available)
- DTMB-Financial Services is not responsible for issuing emergency purchase orders on behalf of agencies with the exception of information technology related goods and services
- Maintain documentation supporting all transactions. Establish internal protocols to support this such as a single spreadsheet to track agency-wide transactions. Report your agency's expenses to the SEOC Finance team via your SEOC representative.

Questions, concerns, or comments should be directed to:

Primary Contact:
Rebecca Cook, Commodities Division Director
Cookr6@michigan.gov

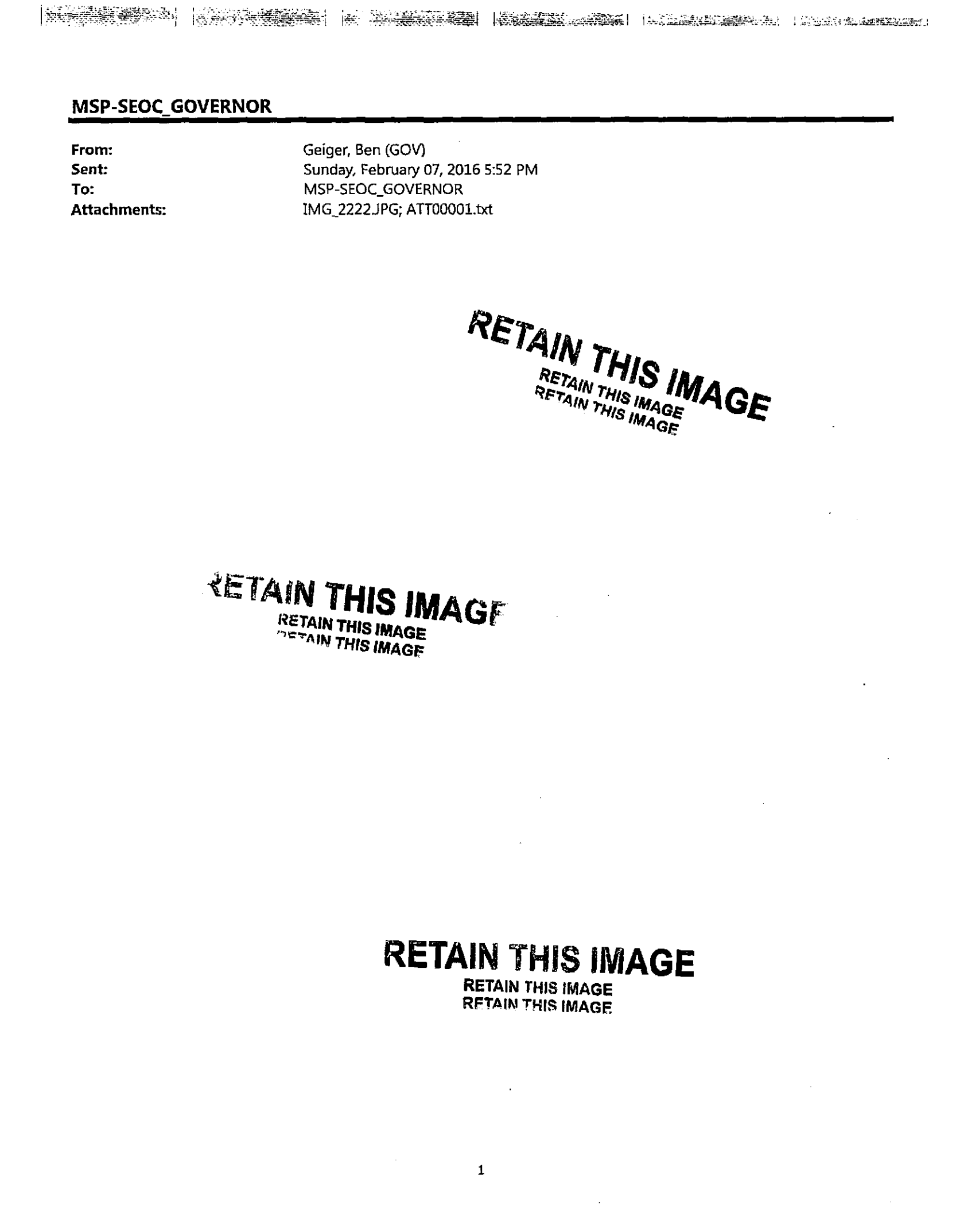
Secondary Contact:
Jeff Brownlee, Chief Procurement Officer
brownleej@michigan.gov

Sincerely,

Jeff Brownlee
Chief Procurement Officer
State of Michigan

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Sunday, February 07, 2016 5:52 PM
To: MSP-SEOC_GOVERNOR
Attachments: IMG_2222.JPG; ATT00001.txt



MSP-SEOC_GOVERNOR

From: Forstner, Nathaniel (GOV)
Sent: Sunday, February 07, 2016 7:30 PM
To: MSP-SEOC_GOVERNOR
Subject: Re: Revised Documents

Still seeing homes and apartments.

Sent from my iPad

On Feb 7, 2016, at 7:23 PM, MSP-SEOC_GOVERNOR <MSP-SEOC_GOVERNOR@michigan.gov> wrote:

> Here are the revised documents. If you approve the attachments, I will forward to Zach to use in the G's report.
>
> <GovReport_Reformatted 20160206.2.xlsx>
>
> <Page 1.pdf>
>
> <Page 2.pdf>

MSP-SEOC_GOVERNOR

From: Forstner, Nathaniel (GOV)
Sent: Sunday, February 07, 2016 8:03 PM
To: MSP-SEOC_GOVERNOR
Subject: Re:

Perfect. Thanks.

Sent from my iPad

On Feb 7, 2016, at 7:36 PM, MSP-SEOC_GOVERNOR <MSP-SEOC_GOVERNOR@michigan.gov> wrote:

- I sent an old printout.
- I'll have Zach update the formatting to ensure commas are in the right places.

<GovReport_Reformatted 20160206.2.xlsx>

<Page 1.pdf>

<Page 2.pdf>

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Monday, February 08, 2016 12:10 PM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: SEOC Report Template
Attachments: GovReport - Template.docx; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

From: "Geiger, Ben (GOV)" <geigerb@michigan.gov>
Date: February 8, 2016 at 10:13:06 AM EST
To: "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
Subject: SEOC Report Template

Here is the template I am developing for the SEOC. It is still a work in progress.

- The user is restricted to entering data into the text fields on page 1.
- The document will be linked to an excel file. Changing a cell will change the word document and graphs.
- The burn rate data will go on the last page. Sam is getting that for me now.

Ben

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Monday, February 08, 2016 2:53 PM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: SEOC Update 2/6/16 - Flint Water - Limited Distribution
Attachments: 2015-10-01 City of Flint Water Contamination-Shortage SitRep 33 2016-01-....pdf; ATT00001.htm; 20160207_Residents_Sampled_Results-Lead.pdf; ATT00002.htm; 20160207_Residents_Sampled_Results-copper.pdf; ATT00003.htm; GovReport_Reformatted 20160207.2.pdf; ATT00004.htm; GovReport_Reformatted 20160207.2.2.pdf; ATT00005.htm

Sent from my iPhone

Begin forwarded message:

From: "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
Date: February 7, 2016 at 9:53:49 PM EST
To: "Geiger, Ben (GOV)" <geigerb@michigan.gov>
Subject: Fwd: SEOC Update 2/6/16 - Flint Water - Limited Distribution

Sent from my iPhone

Begin forwarded message:

From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: February 7, 2016 at 9:27:54 PM EST
To: "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Smith, Paul (GOV)" <SmithP29@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Snyder, Rick (GOV)" <snyderr11@michigan.gov>, "Calley, Brian (GOV)" <calleyb11@michigan.gov>, "Creagh, Keith (DEQ)" <creaghk@michigan.gov>, "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
Cc: "Banner, Shanon (MSP)" <BannerS@michigan.gov>, "Leix, Ron (MSP)" <LeixR@michigan.gov>, "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Holland, Meegan (GOV)" <HollandM2@michigan.gov>, "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov>, "Sachs, Tori (GOV)" <SachsT@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Scott, Allison (GOV)" <scotta12@michigan.gov>, "Redford, James (GOV)" <RedfordJ@michigan.gov>, "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>, "Stoken, Laura (GOV)" <StokenL@michigan.gov>, "Brader, Valerie (GOV)" <BraderV25@michigan.gov>
Subject: RE: SEOC Update 2/6/16 - Flint Water - Limited Distribution

Update 2/7/16 – 34th Day (33rd Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
    - Shift Water Response Team operations to a targeted effort to provide filters into homes where data shows filters have not been provided and/or visits not made.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
    - Obtain additional information from the City of Flint and Genesee County for Declaration of Emergency appeal.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
    - Includes filter replacement strategies.
- Soft opening of secondary state warehouse; clean and prep for SBA staff.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received January 22, 2016. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Attached:

1. Daily Summary of Data – Note two new reports: GovReport
2. Sit Rep #33.
3. Maps: Residential Water Sampling Results – Lead and Copper

Key items for tomorrow to note are:

- 10 American Red Cross Teams scheduled for Monday, February 8, 2016.
- The new warehouse will be operational on Monday, February 8, 2016 and managed by MDOC.

Items to Note

- 10 ARC Flint Water Response Teams to the field today. Priority for the weekend is homes that did not have contacts during previous sweeps.
- State VAL is working on the Category B and Individuals and Households appeal.
- There continues to be a concern that EPA refuses to work with the state teams in addressing the high lead level homes.
- Genesee County EM expressed concerns about lead poisoning in service/companion animals. MDARD has initiated contact with their partners to address this concern.
- 28 addresses have copper testing that exceeds the "action level" (1,300 ppb). DHHS is currently working on messaging regarding this issue, and DEQ is discussing filtering options.

Unified Coordination Group (UCG):

- Task Forces Health & Medical: working on creating a flow chart for visual of testing results.
- EPA conducted 11 filter grabs yesterday, and will be doing 2 today. This includes up to 33 samples per grab. A grab would be considered a location/residence. They are also following up on the AmeriCorps volunteers (2) that have rashes.

Local EOC

- Establishing objectives and IAP for next operational period, 02/08/2016 – 02/12/2016.
- Awaiting additional information regarding companion animals with potential lead and chlorine poisoning from MDARD.
- Establishing plans for Elevated Copper Initial Assessment Task Force starting 02/08/2016 and follow-up outreach to homes with water lead levels over 150 ppb starting 02/10/2016.
- Aligning resources and supplies for Elevated Copper Initial Assessment Task Force and follow-up outreach to homes with water lead levels over 150 ppb.
- Analyzing locations of faith-based organizations and churches for integration into long-term recovery plans.

Chris

Update 2/6/16 – 33rd Day (32nd Full Day) After Governor's Declaration of an Emergency

The link below is a new video published today by 211. This is part of the Rapid Response Teams currently staffed by Team Rubicon.

https://www.youtube.com/watch?v=P5Orqzc5efg

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- *Continue door to door/Flint Water Response Teams (FWRTs), ARC only.*
    - Shift Water Response Team operations to a targeted effort to provide filters into homes where data shows filters have not been provided *and/or visits not made.*
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
    - Obtain additional information from the City of Flint and Genesee County for Declaration of Emergency appeal.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
    - Includes filter replacement strategies.
- Soft opening of secondary state warehouse; clean and prep for SBA staff.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Attached:

1. Daily Summary of Data.
2. Sit Rep #32.
3. Maps: Residential Water Sampling Results – Lead and Copper

Key items for tomorrow to note are:

- 10 American Red Cross Teams scheduled for Sunday, February 7, 2016.
- MDOC will continue setting up the new warehouse.

Items to Note

- 10 ARC Flint Water Response Teams to the field today. Priority for the weekend is homes that did not have contacts during previous sweeps.
- JIC posted the AIA Flint Safe Water Storage Guideline flyers on MI CIMS under internal documents.
- SEOC Logistics is working to secure space in new warehouse for SBA office, additional information needed from SBA.
- GIS geocoded and cleansed addresses for food establishments in the Flint Metro Area.
- GIS digitized water service lines coded by pressure from paper map onto digital map.
- State VAL is working on the Category B and Individuals and Households appeal.
- MOU with Seventh Day Adventist for donations management currently under review.
- MDARD is planning for additional follow up with food related businesses as water test results come in; new maps with updated information will help with future prioritization.
- MDARD will attend a USDA-Natural Resources Conservation Service press conference to be held on Monday; NRCS will be announcing funds to support community gardens and local foods.
- A team from the CDC arrived yesterday to work with MDHHS Bureau of Epidemiology. Their work began today by beginning to analyze data for the development of long term surveillance strategies that will look to link blood lead level results to specific populations, to include vulnerable and at-risk populations.
- LARA continues to monitor DEQ's test results for Health Care, Child Care, Adult Foster Care, HHS and MDE facilities and Schools.
- Freeman Elementary was tested today (2/6/15) by DEQ/LARA staff members.

Unified Coordination Group (UCG):

- Attended 3 matrix review meetings, taskforce leads gave status updates on the original requests/asks sent from the State to Federal government.
- UCG POC will update the objectives with current status once completed by the information cell.
- EPA has 4 teams going out today, 17 filter grabs, a sequential sampling, and walk in requests.
- Additional phosphorus results remain consistent with previous reports. Appears the coating is working in the pipes.
- Multiple Hispanic events are taking place in the community and will be attended by federal staff.
- CDC recommendation should go out today for blood level testing for children under the age of 6.

Local EOC

- Finalized DEQ outreach at homes with water lead levels above 150 ppb.
- Developing plan for outreach at homes with water lead levels of 100 to 149 ppb.
- Will start outreach at homes with water lead levels of 100 to 149 ppb with one group on Monday.

- Potentially following up on initial outreach at homes with water lead levels of 100 to 149 ppb 10 strike teams for evaluation of pluming system, water sampling, etc. starting Wednesday.
- Evaluating need to address health needs of companion animals in households exceeding water lead levels above 100 ppb.
- Awaiting clarification regarding effectiveness of filter systems for removal of copper.

Below is a summary of Federal Teams in the field during next operational period until 2/10 per the UCG.

Public Health Support Team (PHST) (US HHS) stationed at GCHD
9 personnel

- Develop engagement strategy for GCHD to facilitate outreach efforts to the community members and community partners.
- Development database for incoming calls to standardize the responses to caller queries; develop resource list for GCHD.
- Two personnel will facilitate case management follow up on results from GCHD concerning water samples with high home water lead levels.
- Provide technical assistance and community health outreach support to GCHD and to the EPA field team during water sampling and rash investigations.
- Create email groups for email messaging blasts to community partners.

Behavior Health Team (US HHS) stationed at GCHD
4 personnel

- Develop Behavior Health Surveillance Plan and Gap Assessment.
- Provide Behavioral Health Support for community-based health and human service providers.

EPA Sampling Teams out in the field
3 teams with 3 personnel,

- Identify sampling locations based on State DEQ requests and/or inquiries from residents, schedule visits with residents.
- Develop facts sheets based on high lead homes and other facts sheets, as needed.
- Provide risk communications and test results to residents.
- Conduct sequential, filter pilot, and distribution system sampling.

High Lead Home Strike Team out in the field
5 personnel
One MDEQ rep (Taylor) with EPA high lead team.

- Conduct water sampling at residences with rash complaints
- High lead homes with no contact information

MDEQ (Provided by Mark Ducharme) out in the field

- One Initial Outreach Visit team consisting of 1 DEQ rep (Oeming) and 1 MDHHS rep (Groetsch), supported by 2 team Rubicon, 1 city of Flint PD escort, and 1 Penske truck loaded with commodities.

Genesee County Health Department team out in the field
1 team with 2 personnel One LHD person (EH), One EPA person (for sampling)

- Responding to high lead homes – Made contact with all homes 150 ppb last Wednesday and will continue as long as they have resources.

Chris

From: Kelenske, Chris (MSP)
Sent: Friday, February 05, 2016 9:00 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'; Creagh, Keith (DEQ); Lyon, Nick (DHHS)
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV); Stoken, Laura (GOV)
Subject: SEOC Update 2/5/16 - Flint Water - Limited Distribution

Update 2/5/16 – 32nd Day (31st Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
    - Shift Water Response Team operations to a targeted effort to provide filters into homes where data shows filters have not been provided and/or visits not made. Special attention to apartments/multifamily residences.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
    - Obtain additional information from the City of Flint and Genesee County for Declaration of Emergency appeal.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
    - Includes filter replacement strategies.
- Prepare of opening of secondary state warehouse

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Attached:

1. Daily Summary of Data (NG field is showing 0 which is not correct). NG personnel are still at the PODs.
2. Sit Rep #31.
3. Maps: Residential Water Sampling Results – Lead and Copper

Key items for tomorrow to note are:

- 10 American Red Cross Teams scheduled for Saturday, February 6, 2016.
- MDOC will begin setting up Kroger warehouse.

Items to Note

- 10 ARC Flint Water Response Teams to the field today. Priority for the weekend is homes that did not have contacts during previous sweeps.
- SBA declaration approved. SEOC Logistics will be working to identify office space in Flint for SBA staff.
- Recovery Branch estimate based on information collected last weekend is as follows:
    - 80 Complexes
    - 4170 Units
    - 2892 Assisted Living/Senior Housing (Dept of Aging)
- Information in DHHS Sit Rep is from GCCARD only, this information is not included in the daily totals.
- JIC issued a news release around 10 a.m. about the state of Michigan encouraging food establishments to take advantage free water safety inspections. The news release was picked up by the Associated Press and other news media outlets.
- JIC held a media event to encourage people to check out Flint area restaurants with Lt. Gov. Brian Calley and Michigan Department of Agriculture and Rural Development Director Jamie Clover Adams. Nine local and statewide news media members attended the event.
- Finance Section developed guidance for Flint Water Inter-Agency Coordinating Committee related to reimbursements for non-state employees.
- State Voluntary Agency Liaison (VAL) prepared list of NGOs involved in Flint for DHHS SERG grant application.
- State VAL worked on potential jobs funding with TIA via Dept of Labor.
- Question was asked from the Governor's office yesterday if commodities purchased could be returned. Per FEMA, any item such as filter, pitcher, cartridge etc. cannot be returned. Once procured via State RRF the state owns it - no returns. Water can be returned with 12 months remaining shelf life and in complete factory issued pallet w shrink wrap and the state will fund/ transport of returning water to the designated Distribution Center. FEMA will inspect all returning water prior to movement and water is limited to available storage space in the FEMA Distribution Centers which will range between 0-5 million liters. Quantity to be returned will be approved prior to movement based upon available space and known inbound inventory.
- DEQ finalized sentinel sampling plan to commence activities beginning February 10th, 2016.
    - DEQ received 12 iPads for deployment with teams for status tracking.

<u>Unified Coordination Group (UCG):</u>

- Met with the nutrition task force today on request from the state.
- Cleared up misinformation on areas that have not been covered.

<u>Local EOC</u>

- Coordinating rapid response deliveries to homebound residents and special locations.
- Developed floor plan proposal for new warehouse with warehouse workers.
- Recycling and water distribution event with MSU athletics.
- Establishing plan to provide public transit vouchers for travel to blood lead level test clinics.
- Work with Michigan Community Service Commission to align supplies and resources for PUR filter distribution effort next week.
- DEQ/Team Rubicon team visited 30 homes with water lead levels of 150 ppb.

- Developing plans for follow-up with residents at homes with water lead levels of 150 ppb.

Chris

From: Kelenske, Chris (MSP)
Sent: Thursday, February 04, 2016 8:56 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); 'snyderr11@michigan.gov'; 'calleyb11@michigan.gov'; Creagh, Keith (DEQ); Lyon, Nick (DHHS)
Cc: Banner, Shanon (MSP); Leix, Ron (MSP); Murray, David (GOV); Holland, Meegan (GOV); Katarsky, Anthony (MSP); Sachs, Tori (GOV); Agen, Jarrod (GOV); Scott, Allison (GOV); Redford, James (GOV); Forstner, Nathaniel (GOV); Stoken, Laura (GOV)
Subject: SEOC Update 2/4/16 - Flint Water - Limited Distribution

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 2/4/16 – 31st Day (30th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Ensure adequate quantities of supplies to support operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
    - Shift Water Response Team operations to a targeted effort to provide filters into homes where data shows filters have not been provided and/or visits not made. Special attention to apartments/multifamily residences.
- *Prepare appeal on denial of Category B under the Presidential Emergency Declaration.*
    - Obtain additional information from the City of Flint and Genesee County for Declaration of Emergency appeal.
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
    - Includes filter replacement strategies.
- Submit SBA application.

Status on Governor's request letter to the President:

- *Appeal denial received on the Major Disaster Declaration.* Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Attached:

1. Daily Summary of Data.
2. Sit Rep #30.

Key items for tomorrow to note are:

- *10 American Red Cross Teams scheduled for Friday, February 5, 2016.*
- FWICC and Mission Flint meetings in Flint.

Items to Note

- 10 ARC Flint Water Response Teams to the field today. Continued priority is the apartment list from 2/2/16.
- Recovery Branch worked with county and postal partners to collect information about home vacancies and resident's with forwarded mail addresses in order to ensure we are contacting all occupied residences in the City of Flint.
- Recovery Branch supported the efforts of MSDHA to provide resources to tenants in their facilities.
- JIC issued a media advisory about federal lead for Flint water crisis Dr. Nicole Lurie to visit EPA's command post.
- MDHHS provided a representative to accompany the MDEQ team to the high lead homes in Flint. The MDHHS representative will encourage individuals to have blood lead testing and answer health questions as necessary.
- GIS is working to develop a field application for MDEQ and MDHHS for field collection of water test data and health data respectively.
- SEOC and MTED are working with Department of Labor to identify grants that may be available to assist with jobs programs (wages, training, overhead, and potentially equipment and leasing resources). DOC looking at prisoner re-entry programs for those returning to Flint area.

Unified Coordination Group (UCG):

- Working on improving communication flow between UCG and state partners.
- Attended long term recovery meeting held by state VAL.
  - Discussed MARC model and potential transition plan.

Local EOC

- Coordinating rapid response deliveries to homebound residents and special locations.
- Attended meeting with federal, state and local health and environmental agencies to establish process for notification of households with water test results that exceed 150 ppb.
- Attended two long term recovery planning meetings with SEOC staff, VOADs and local agencies (Flint Water Recovery Leadership group).
- Ensuring Community Access Center for the Deaf and Hard of Hearing receives appropriate supplies.
  - Briefed staff on site on filter installation and water sampling process.
- Clarified distribution process at city sites with Flint City Administrator's Office. Coordinating with Fire Department Quartermaster for supplying city sites.
- Addressing various public concerns, including identification of canvassing teams.
- Instituted credentialing verification process for 2-1-1 calls.

Chris

INTERNAL USE ONLY – LIMIT DISTRIBUTION TO GOVERNOR'S OFFICE

Update 2/3/16 – 30th Day (29th Full Day) After Governor's Declaration of an Emergency

Mission focus for the day:

- Refocus state agencies on objectives, tasks in the Incident Action Plan and how we get to the end state/shift to longer term recovery.

- Ensure adequate quantities of supplies to support operations.
- Continue door to door/Flint Water Response Teams (FWRTs), ARC only.
    - Shift Water Response Team operations to a targeted effort to provide filters into homes where data shows filters have not been provided and/or visits not made.
- Prepare appeal on denial of Category B under the Presidential Emergency Declaration.
    - *Obtain additional information from the City of Flint and Genesee County for Declaration of Emergency appeal.*
- Work on plan for Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery - recovery plan/transition of PODs.
    - Includes filter replacement strategies.
- Submit SBA application – outstanding item is the certification of availability of financial assistance. Priority item for the a.m. so this can get submitted. Press release has been completed.

Status on Governor's request letter to the President:

- Appeal denial received on the Major Disaster Declaration. Nothing more can be done on this.
- Denial of Individual Household Program and Category B under the Emergency Declaration received this date. We have 30 days to appeal and EMHSD staff is gathering information for the appeal.

Attached:

1. **Daily Summary of Data, full version and abridged (New reporting format – we will ensure we give liters of water and cases in the future)**
2. Residential Water Sampling Results Maps – Lead and Copper
3. SitRep 29

Key items for tomorrow to note are:

- 10 American Red Cross Teams scheduled for Thursday, February 4, 2016.
- Will continue to target residences from the Apartment List from 2/2/16

Items to Note

- Paired down the list of parcels not visited from 2400 to 958. Will continue on 2/4/16 to identify any parcels not visited. Some parcels contain multifamily residences and those types of residences are being reviewed and targeted to ensure coverage.
- MDOC is going to look into their job programs for any prisoners begin release back into the Flint area. This will be in conjunction with any other job programs identified. We are working with MTED on solutions.
- DEQ and DHHS will be going to residences with >150 ppb starting tomorrow. They will be checking residences next to the one with the high lead level to see if this is a single residence issue or a bigger issue affecting the block or line in an area. This will not initially include EPA as they did not seem interested in combining teams but we are working on more collaboration without slowing us down.
- DEQ will have a representative in the UCG starting 2/4/15.
- Discussed with UPS on ways they can assist with Rapid Response Team and filter replacements in the future.
- Additional warehouse will be put in service potentially Saturday. Seventh Day Adventist are potentially going to operate it or help with operations to phase out

state agency personnel and make it more community run. The warehouse does include some office space if needed.

- 10 ARC Flint Water Response Teams to the field today.
- Team Priority Visited Today: Apartment List from 2/2/16
- SEOC Logistics worked with MDOC on their assistance with warehouse management and staffing for new warehouse. Reached out to Food Bank on their recommendation and coordination for hours/days of operation of new warehouse.
- SEOC Operations attended a donations management meeting to discuss the need for a consolidated list of donated goods.
- JIC strategized with the U.S. Department of Health and Human Services and Environmental Protection Agency on how to better coordinate public information.

Unified Coordination Group (UCG):

- UCG IAP approved today for the operational period 0800 2/2/16 to 0800 2/4/16.
- The Federal Health Coordinating Officer had a meeting today with Economic Development and Housing and Urban Development.
- EMHSD liaison provided information on Michigan EM structure to Command.
- State JIC manager now in the communication loop for the UCG.
- UCG discussed MARCs and potential implementation.
- Capt. Kelenske met with Don Boyce from US DHHS to discuss concerns with Federal HHS and EPA and how we can move forward with better collaboration and coordination. Boyce also met with Governor's Office staff on same. The meeting went well and a solid relationship is in place with Boyce. He is a direct report to Dr. Lurie and will provide her some context on the issues and how we can move forward. He will be a good POC to assist us with any shifts in direction needed at the federal level.

Local EOC

- Coordinated rapid response deliveries to homebound residents and special locations.
- Working on refining rapid response delivery process.
    - Preparing transition from Team Rubicon personnel to NCCC teams, and eventually Southern Baptist Disaster Relief.
    - Coordinating with ARC for logistics support to NCCC teams (AmeriCorp).
- Working with ARC to ensure resource needs of franchise customers at Sunridge Apartments complex in Flint Township are met.
- Coordinating with MDEQ to streamline test kit assembly process.
- Attended distribution plan meeting with faith-based organizations, state, and local agencies.
- Referring VOADs to appropriate volunteer management agencies.
- Addressing various public concerns, including availability of supplies at child care facilities.

Chris

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Monday, February 08, 2016 6:50 PM
To: MSP-SEOC_GOVERNOR
Cc: MSP-SEOCSDEM; MDEQ-ECC-IMT
Subject: Water Results fro Lead Through Yesterday, 2/7/2016

Ben – here you go, water test results through 2/7/2016, not for public dissemination

Total number of samples: 7948

7430 out of 7948 (94%) are at or below 15 ppb (518 above)
<5 ppb: 6513 (82%)
5-15 ppb: 917(11%)
> 15 ppb: 518 (7%)
>30 ppb: 279 (4%)
>100 ppb: 87 (1%)
>150 ppb: 62 (0.8%)

Mitch

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Monday, February 08, 2016 7:04 PM
To: MDEQ-ECC-IMT; MSP-EOC-MDCH; MSP-EOC-MDLARA
Cc: plangc; MSP-SEOCSDEM; Schaefer, Scott (DEQ); Feighner, Bryce (DEQ); MSP-SEOC_GOVERNOR
Subject: FW: Residences w/elevated Cu levels-site visits & projections
Attachments: *DEQ High Cu Site Visits.xlsx*

See update from County EOC on today's locations visited with copper exceeding the 1,300 ppb action level. Note also our intent to inspect more tomorrow, in addition to the 7 locations today for which we received water results for lead exceeding 150 ppb.

FYI, this effort is composed of 1-team of six (6) people:

1-DEQ-Staff
1-DHHS staff
1-licensed plumber
2-Americorps interpreters
1-Law enforcement personnel

This team is operating independent of any Federal team. These inspections include a plumbing inspection, consult with the occupant(s) about potential health effects of copper (lead too for subsequent high lead sites), direction to drink bottled water, provision of literature and commodities.

Thanks Scott!

Mitch

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: Schaefer, Scott (DEQ)
Sent: Monday, February 08, 2016 6:52 PM
To: MSP-EOC-MDEQ; Heintzelman Shasta
Cc: Oeming, Robin (DEQ); Ducharme, Mark (DEQ); Ritchey, Matthew D. (CDC/ONDIEH/NCCDPHP); Feighner, Bryce (DEQ)
Subject: Residences w/elevated Cu levels-site visits & projections

Attached is a spread sheet of the locations inspected today which had Cu levels above 1300 ppb. We inspected 12 locations today with 5 having nobody home.

We project that an additional 12 inspections for elevated Cu levels will be completed tomorrow along with a new >150 ppb Pb inspection.

Scott Schaefer
DEQ – RRD
Newberry Field Office
906-293-5131, ext. 4301
schaefers2@michigan.gov

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MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Monday, February 08, 2016 7:05 PM
To: MSP-SEOCSDEM; MSP-SEOC_GOVERNOR
Cc: MDEQ-ECC-IMT
Subject: FW: Full List of Residential Results for February 8, 2016
Attachments: February 8 2016 Test Results Flint_Sorted by Lead Concentration.pdf; February 8 2016 Test Results Flint_Sorted by Address.pdf; February 8 2016 Test Results Flint_For MSP-SEOCGIS.xlsx; February 8 2016 Test Results Flint.xlsx; February 8 2016 Test Results Flint_DEQ Reports to EPA.xlsx

Importance: High

FROM TODAY, 2/8/2016

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: Colberg, Nicole (DNR)
Sent: Monday, February 08, 2016 6:55 PM
To: plangc
Cc: Creagh, Keith (DEQ); Brown, Melanie (DEQ); Golder, Edward (DNR); Russell, Erin (DEQ); MSP-EOC-MDEQ
Subject: Full List of Residential Results for February 8, 2016
Importance: High

As requested, attached please find the daily test results spreadsheets and below please find a breakdown of the Residential Sample Results for February 8, 2016 to be included in the Governor's report.

Please note the spreadsheets will be updated on the Flint Water website tomorrow morning.

Data Summary for *Current Date*	Number	Percent		
Total number of samples:	8317			
At or below 15 ppb:	7771	93%	Above 15 ppb:	546
<5 ppb:	6812	82%		
5-15 ppb:	546	7%		
>15-30 ppb:	293	3.5%		
>30-100 ppb:	95	1.1%		
>100-150 ppb:	27	0.3%		
>150 ppb:	68	0.8%		

Should you have any questions or need anything further, please feel free to contact me.

Thank you, Nicole

Nicole M. Colberg, MPA
Michigan Department of Natural Resources
Legislative and Legal Affairs Office

colbergn@michigan.gov

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MSP-SEOC_GOVERNOR

From: plangc
Sent: Monday, February 08, 2016 7:34 PM
To: MSP-SEOC_GOVERNOR
Subject: FW: Updated Residential Parcel Statistics

FYI

From: MSP-SEOCGIS2
Sent: Monday, February 08, 2016 7:32 PM
To: plangc
Cc: MSP-SEOCGIS
Subject: Updated Residential Parcel Statistics

AS OF **February 8, 2016** AT 1700 USING DATA FROM FLINT WATER RESPONSE TEAMS, POD DISTRIBUTIONS, AND GENESEE COUNTY HEALTH DISTRIBUTION DATA.

NOTE: PLEASE REMEMBER THAT PAPER DATA AND DATA ENTRY FROM PREVIOUS DAYS CONTINUES TO COME IN AND WILL BE INCLUDED IN THE TOTALS AS IT IS RECEIVED. ALSO, WE IDENTIFIED ADDITIONAL WATER SUBSCRIBERS IN RESIDENTIAL PARCELS WHICH RESULTED IN THE RED CHANGE BELOW.

We are tracking **38,876** residential parcels that the City of Flint has identified as non-vacant (including Franchise). Of those:

- **38322 98.6%** of the parcels have been engaged as part of response efforts
- **29769 76.6%** of the parcels have been confirmed have some form of filter
- **12093 31.1%** of the parcels have volunteered for water testing

We are also tracking that there are 30188 active water subscribers (metered service lines) in the city. When consolidated down and filtering out only residential there are **27180** residential parcels that have the ability to use the Flint Water System. Of these

- **26985 99.3%** of the parcels have been engaged as part of response efforts
- **23857 87.8%** of the parcels have been confirmed have some form of filter
- **10741 39.5%** of the parcels have volunteered for water testing

Please let me know if you need anything else.

MSP-SEOC_GOVERNOR

From: plangc
Sent: Monday, February 08, 2016 7:58 PM
To: MSP-SEOC_GOVERNOR
Subject: FW: Blood Lead Levels

FYI

From: MSP-EOC-MDCH
Sent: Monday, February 08, 2016 7:53 PM
To: plangc
Subject: FW: Blood Lead Levels

Please see the below weekly report of blood lead levels reported, for the Governor's report.

Thank you,
Jennifer Lixey Terrill

Michigan Department of Health and Human Services – Health Representative
Msp-eoc-mdch@michigan.gov
517-284-3912

From: Taylor, Kerri (DHHS)
Sent: Monday, February 08, 2016 5:17 PM
To: MSP-EOC-MDCH
Cc: Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); checcepi
Subject: Blood Lead Levels

Incidence of elevated blood lead levels (≥5 mcg/dL)
Flint zip codes: 48501-48507, 48509, 48519, 48529, and 48532
Counts on this report include both capillary and venous blood tests

Blood lead level testing — 04/01/14 to 02/05/16

Flint Children <6		Flint Children 6 to 17		All Flint residents	
Tested:	7,196	Tested:	2,868	Tested:	13,215
Elevated:	211 (2.9%)	Elevated:	17 (0.6%)	Elevated:	291 (2.2%)
Not elevated:	6,985 (97.1%)	Not elevated:	2,851 (99.4%)	Not elevated:	12,924 (97.8%)

Blood lead level testing — 10/01/14 to 02/05/16

Flint Children <6		Flint Children 6 to 17		All Flint residents	
Tested:	2,623	Tested:	2,179	Tested:	7,691
Elevated:	52 (2%)	Elevated:	11 (0.5%)	Elevated:	105 (1.4%)
Not elevated:	2,571 (98%)	Not elevated:	2,168 (99.5%)	Not elevated:	7,586 (98.6%)

Kerri Taylor
Executive Secretary
Bureau of EMS, Trauma and Preparedness
Michigan Department of Health and Human Services (MDHHS)
201 Townsend Street
Lansing, MI 48913
Taylork10@michigan.gov
517-335-8346
517-335-9434 (fax)
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MSP-SEOC_GOVERNOR

From: plangc
Sent: Tuesday, February 09, 2016 7:01 PM
To: MSP-SEOC_GOVERNOR
Subject: FW: Updated Residential Parcel Statistics

From: MSP-SEOCGIS
Sent: Tuesday, February 09, 2016 6:43 PM
To: plangc
Cc: MSP-SEOCGIS; MSP-SEOCGIS2
Subject: Updated Residential Parcel Statistics

AS OF **2/9/2016** AT 1700 USING DATA FROM FLINT WATER RESPONSE TEAMS, POD DISTRIBUTIONS, AND GENESEE COUNTY HEALTH DISTRIBUTION DATA.

NOTE: PLEASE REMEMBER THAT PAPER DATA AND DATA ENTRY FROM PREVIOUS DAYS CONTINUES TO COME IN AND WILL BE INCLUDED IN THE TOTALS AS IT IS RECEIVED.

We are tracking **38,876** residential parcels that the City of Flint has identified as non-vacant (including Franchise). Of those:

- **38,322 (98.6%)** of the parcels have been engaged as part of response efforts
- **29,813 (76.7%)** of the parcels have been confirmed have some form of filter
- **12,112 (31.2%)** of the parcels have volunteered for water testing
- **965 (2.5%)** of the parcels have not had personal contact (not home or did not visit a POD)

We are also tracking that there are 30188 active water subscribers (metered service lines) in the city. When consolidated down and filtering out only residential there are **27,180** residential parcels that have the ability to use the Flint Water System. Of these

- **26,985 (99.3%)** of of the parcels have been engaged as part of response efforts
- **23,897 (87.9%)** of the parcels have been confirmed have some form of filter
- **10,758 (39.6%)** of the parcels have volunteered for water testing
- **657 (2.4%)** of the parcels have not had personal contact (not home or did not visit a POD)

Please let me know if you need anything else.

MSP-SEOC_GOVERNOR

From: plangc
Sent: Tuesday, February 09, 2016 7:02 PM
To: MSP-SEOC_GOVERNOR
Subject: FW: Blood Lead Levels

From: MSP-EOC-MDCH
Sent: Tuesday, February 09, 2016 6:53 PM
To: plangc; Bresler, Amanda (MSP)
Subject: FW: Blood Lead Levels

FYI – Please note that there is a typo in the table below that was provided to planning yesterday. The second grouping's date should read "10/01/15 to 02/05/16."

This information has already been corrected in the spreadsheet that has been filled out for the Governor's dashboard on the shared drive.

Thank you,
Jennifer Lixey Terrill

Michigan Department of Health and Human Services – Health Representative
Msp-eoc-mdch@michigan.gov
517-284-3912

From: Taylor, Kerri (DHHS)
Sent: Monday, February 08, 2016 5:17 PM
To: MSP-EOC-MDCH
Cc: Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); checcepi
Subject: Blood Lead Levels

Incidence of elevated blood lead levels (≥5 mcg/dL)
Flint zip codes: 48501-48507, 48509, 48519, 48529, and 48532
Counts on this report include both capillary and venous blood tests

Blood lead level testing **04/01/14 to 02/05/16**

Flint Children <6	
Tested:	7,196
Elevated:	211 (2.9%)
Not elevated:	6,985 (97.1%)

Flint Children 6 to 17	
Tested:	2,868
Elevated:	17 (0.6%)
Not elevated:	2,851 (99.4%)

All Flint residents	
Tested:	13,215
Elevated:	291 (2.2%)
Not elevated:	12,924 (97.8%)

Blood lead level testing **10/01/14 to 02/05/16**

Flint Children <6	
Tested:	2,623

Flint Children 6 to 17	
Tested:	2,179

All Flint residents	
Tested:	7,691

Elevated:	52 (2%)		Elevated:	11 (0.5%)		Elevated:	105 (1.4%)
Not elevated:	2,571 (98%)		Not elevated:	2,168 (99.5%)		Not elevated:	7,586 (98.6%)

Kerri Taylor
Executive Secretary
Bureau of EMS, Trauma and Preparedness
Michigan Department of Health and Human Services (MDHHS)
201 Townsend Street
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MSP-SEOC_GOVERNOR

From: FEDERALSEOC
Sent: Tuesday, February 09, 2016 7:16 PM
To: MSP-SEOC_GOVERNOR
Cc: Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: City of Flint Apartment List
Attachments: Apartment List_02092016.pdf

Sir,

As requested, the list showing all known apartments in Flint is attached. The below is a summary of the data and an explanation of the sources.

The list in the attachment includes all apartment complexes in the City of Flint that the Recovery Branch has been able to identify based upon available information. The list is as complete as possible based upon our knowledge, skills, and the existing data.

- We conclude that there are 5,799 apartment units in Flint.
    - This does not include apartment buildings and complexes that are currently unoccupied, nor does it include houses that may have multiple units, or apartment complexes outside the boundaries of the City of Flint that do not receive Flint water.
- There are an additional 545 units on Flint water that are part of a complex that is a franchise customer.
- We used a variety of sources in compiling this list, including data from the City of Flint, the Flint Housing Commission, the Michigan State Housing Development Authority, the United States Department of Housing and Urban Development, and private sources such as Apartments.com.
    - In addition to data sources, we deployed a team from the Department of Corrections to verify the status of several complexes. The team found several apartment complexes abandoned and made contact with residents of the occupied complexes.

Please let us know if you have any questions or concerns with this list.

Thank you,

SEOC Recovery Branch

MSP-SEOC5@michigan.gov

MSP-SEOC_GOVERNOR

From: MSP-EOC-MDEQ
Sent: Wednesday, February 10, 2016 8:03 AM
To: MSP-SEOC_GOVERNOR
Cc: plangc
Subject: RE:

S:\DISASTER\2015-10 Flint Water\GOV Report\Daily DEQ Test Results thru 2 9 2016.xlsx

Hi Ben – check it out. This is using today's data. I'll update with yesterdays and use the same naming convention, if that's ok with you.

MItch

From: MSP-SEOC_GOVERNOR
Sent: Tuesday, February 09, 2016 7:09 PM
To: MSP-EOC-MDEQ
Subject:

S:\DISASTER\2015-10 Flint Water\GOV Report\DEQ...

Corrected totals from 2/8

MSP-SEOC_GOVERNOR

From: MSP-SEOCSDEM
Sent: Wednesday, February 10, 2016 10:05 AM
To: MSP-SEOCPIO; MSP-SEOC_GOVERNOR
Subject: FW: Flint water main break

From: MSP-EOC-MDEQ
Sent: Wednesday, February 10, 2016 8:03 AM
To: Katarsky, Anthony (MSP); Kelenske, Chris (MSP); MSP-SEOCSDEM; MDEQ-ECC-IMT
Subject: FW: Flint water main break

Here's the follow-up we got from NSF regarding water filters in light of the water main break.

Mitch

DEQ REPRESENTATIVE

STATE EMERGENCY OPERATIONS CENTER

MSP-EOC-MDEQ@MICHIGAN.GOV

From: DeLand, Derek [mailto:ddeland@nsf.org]
Sent: Tuesday, February 09, 2016 8:21 PM
To: MSP-EOC-MDEQ
Cc: Hazan, Stan
Subject: Flint water main break

Mitch, Jen, and others,

So, I got what feedback I could and it is essentially what we had briefly discussed.

The standards are based on treating potable water, which is microbiologically safe water, so our certification to the standards would essentially be null and void if there is bacteria in the influent. This is akin to the issue of lead levels being over 150 ppb. The filters used in Flint are not certified to remove microbiological contaminants to drinking water. Residents should boil their filtered water to ensure that their water is microbiologically safe. The, replace the cartridge / filter after the Boil Water Advisory has been lifted.

Hope this gives you what you need. If you need anything else, please let me know.

Derek DeLand
Environmental Health Programs Manager, Regulatory Affairs
NSF International
e: ddeland@nsf.org
o: 734-418-6683

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MSP-SEOC_GOVERNOR

From: MSP-SEOCSDEM
Sent: Wednesday, February 10, 2016 10:06 AM
To: MSP-SEOCPIO; MSP-SEOC_GOVERNOR
Subject: FW: FILTERS: Flint water main break

Importance: High

From: MSP-EOC-MDEQ
Sent: Wednesday, February 10, 2016 8:07 AM
To: MSP-SEOCSDEM; MSP-SEOCOPSC; plangc; MDEQ-ECC-IMT; JICManager; Brown, Melanie (DEQ)
Subject: FILTERS: Flint water main break
Importance: High

Please see the information below regarding how microbiological contaminants affect the filters and develop messaging to address.

From: Hazan, Stan [mailto:Hazan@nsf.org]
Sent: Wednesday, February 10, 2016 1:27 AM
To: DeLand, Derek; MSP-EOC-MDEQ
Cc: Schmitt-Reichert, Anna; Nowland-Margolis, Lizabeth
Subject: RE: Flint water main break

All
A slightly modified statement that addresses lead reduction at the same time would be:
"These filters are not certified to reduce microbiological contaminants from drinking water. Residents should boil their filtered water to ensure that their water is microbiologically safe. Residents should replace the cartridge / filter after the Boil Water Advisory has been lifted. The lead reduction capabilities of the filter should not be adversely affected by the presence of bacteria, if present."
Thanks
Stan

Stan Hazan
Sr. Director, Scientific & Regulatory Affairs
NSF International
789 N. Dixboro Road
Ann Arbor, Michigan 48105
Office 1-734-769-5105

hazan@nsf.org
www.nsf.org

From: DeLand, Derek
Sent: Tuesday, February 09, 2016 8:21 PM
To: MSP-EOC-MDEQ@michigan.gov
Cc: Hazan, Stan
Subject: Flint water main break

Mitch, Jen, and others,

So, I got what feedback I could and it is essentially what we had briefly discussed.

The standards are based on treating potable water, which is microbiologically safe water, so our certification to the standards would essentially be null and void if there is bacteria in the influent. This is akin to the issue of lead levels being over 150 ppb. The filters used in Flint are not certified to remove microbiological contaminants to drinking water. Residents should boil their filtered water to ensure that their water is microbiologically safe. The, replace the cartridge / filter after the Boil Water Advisory has been lifted.

Hope this gives you what you need. If you need anything else, please let me know.

Derek DeLand
Environmental Health Programs Manager, Regulatory Affairs
NSF International
e: ddeland@nsf.org
o: 734-418-6683

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MSP-SEOC_GOVERNOR

From: MSP-SEOCSDEM
Sent: Wednesday, February 10, 2016 10:06 AM
To: MSP-SEOCPIO; MSP-SEOC_GOVERNOR
Subject: FW: FILTERS: Flint water main break

From: Brown, Melanie (DEQ)
Sent: Wednesday, February 10, 2016 8:30 AM
To: MSP-EOC-MDEQ; Feighner, Bryce (DEQ); Krisztian, George (DEQ)
Cc: MSP-SEOCSDEM; MSP-SEOCOPSC; plangc; MDEQ-ECC-IMT; JICManager
Subject: Re: FILTERS: Flint water main break

The city must alter its communications as the public notice must by law be issued by them. We can reflect supplemental communications from the state's end. Who from state is in touch with the city on this issue?

On Feb 10, 2016, at 8:06 AM, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov> wrote:

> Please see the information below regarding how microbiological contaminants affect the filters and develop messaging to address.
>
> ---
>
> **From:** Hazan, Stan [mailto:Hazan@nsf.org]
> **Sent:** Wednesday, February 10, 2016 1:27 AM
> **To:** DeLand, Derek; MSP-EOC-MDEQ
> **Cc:** Schmitt-Reichert, Anna; Nowland-Margolis, Lizabeth
> **Subject:** RE: Flint water main break
>
> All
> A slightly modified statement that addresses lead reduction at the same time would be:
> "These filters are not certified to reduce microbiological contaminants from drinking water. Residents should boil their filtered water to ensure that their water is microbiologically safe. Residents should replace the cartridge / filter after the Boil Water Advisory has been lifted. The lead reduction capabilities of the filter should not be adversely affected by the presence of bacteria, if present."
> Thanks
> Stan
>
> Stan Hazan
> *Sr. Director, Scientific & Regulatory Affairs*
> NSF International
> 789 N. Dixboro Road
> Ann Arbor, Michigan 48105
> Office 1-734-769-5105
>
> hazan@nsf.org
> www.nsf.org

From: DeLand, Derek
Sent: Tuesday, February 09, 2016 8:21 PM
To: MSP-EOC-MDEQ@michigan.gov
Cc: Hazan, Stan
Subject: Flint water main break

Mitch, Jen, and others,

So, I got what feedback I could and it is essentially what we had briefly discussed.

The standards are based on treating potable water, which is microbiologically safe water, so our certification to the standards would essentially be null and void if there is bacteria in the influent. This is akin to the issue of lead levels being over 150 ppb. The filters used in Flint are not certified to remove microbiological contaminants to drinking water. Residents should boil their filtered water to ensure that their water is microbiologically safe. The, replace the cartridge / filter after the Boil Water Advisory has been lifted.

Hope this gives you what you need. If you need anything else, please let me know.

Derek DeLand
Environmental Health Programs Manager, Regulatory Affairs
NSF International
e: ddeland@nsf.org
o: 734-418-6683

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this transmission are solely of the author and do not necessarily represent those of NSF International or its affiliates.

MSP-SEOC_GOVERNOR

From: MSP-SEOCSDEM
Sent: Wednesday, February 10, 2016 10:07 AM
To: MSP-SEOCPIO; MSP-SEOC_GOVERNOR
Subject: FW: FILTERS: Flint water main break

From: MSP-SEOCPIO
Sent: Wednesday, February 10, 2016 9:17 AM
To: MSP-EOC-MDEQ; Brown, Melanie (DEQ); Feighner, Bryce (DEQ); Krisztian, George (DEQ)
Cc: MSP-SEOCSDEM; MSP-SEOCOPSC; plangc; MDEQ-ECC-IMT; JICManager; Russo, Mark (MSP); Roach, Billie Jo (MSP); Bolger, Matt (MSP); MSP-EOC-MDEQ
Subject: RE: FILTERS: Flint water main break

All-

I just spoke with F/Lt Jen Wolf with the state DEQ. She is going to reach out to Scott Schaffer at the local EOC to see what they are working on/information he has on this.

She will advise on who is putting together a follow up message/what the plan is for getting the message out on replacement cartridges being needed.

She will advise

Thanks

Kevin s.

State Emergency Operations Center
Public Information Officer
517-284-3882

From: MSP-EOC-MDEQ
Sent: Wednesday, February 10, 2016 8:32 AM
To: Brown, Melanie (DEQ); Feighner, Bryce (DEQ); Krisztian, George (DEQ); MSP-SEOCPIO
Cc: MSP-SEOCSDEM; MSP-SEOCOPSC; plangc; MDEQ-ECC-IMT; JICManager
Subject: RE: FILTERS: Flint water main break

I am bringing in the SEOC PIO rep on the conversation....

From: Brown, Melanie (DEQ)
Sent: Wednesday, February 10, 2016 8:30 AM
To: MSP-EOC-MDEQ; Feighner, Bryce (DEQ); Krisztian, George (DEQ)
Cc: MSP-SEOCSDEM; MSP-SEOCOPSC; plangc; MDEQ-ECC-IMT; JICManager
Subject: Re: FILTERS: Flint water main break

The city must alter its communications as the public notice must by law be issued by them. We can reflect supplemental communications from the state's end. Who from state is in touch with the city on this issue?

On Feb 10, 2016, at 8:06 AM, MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov> wrote:

Please see the information below regarding how microbiological contaminants affect the filters and develop messaging to address.

From: Hazan, Stan [mailto:Hazan@nsf.org]
Sent: Wednesday, February 10, 2016 1:27 AM
To: DeLand, Derek; MSP-EOC-MDEQ
Cc: Schmitt-Reichert, Anna; Nowland-Margolis, Lizabeth
Subject: RE: Flint water main break

All
A slightly modified statement that addresses lead reduction at the same time would be:
"These filters are not certified to reduce microbiological contaminants from drinking water. Residents should boil their filtered water to ensure that their water is microbiologically safe. Residents should replace the cartridge / filter after the Boil Water Advisory has been lifted. The lead reduction capabilities of the filter should not be adversely affected by the presence of bacteria, if present."
Thanks
Stan

Stan Hazan
Sr. Director, Scientific & Regulatory Affairs
NSF International
789 N. Dixboro Road
Ann Arbor, Michigan 48105
Office 1-734-769-5105

hazan@nsf.org
www.nsf.org

From: DeLand, Derek
Sent: Tuesday, February 09, 2016 8:21 PM
To: MSP-EOC-MDEQ@michigan.gov
Cc: Hazan, Stan
Subject: Flint water main break

Mitch, Jen, and others,

So, I got what feedback I could and it is essentially what we had briefly discussed.

The standards are based on treating potable water, which is microbiologically safe water, so our certification to the standards would essentially be null and void if there is bacteria in the influent. This is akin to the issue of lead levels being over 150 ppb. The filters used in Flint are not certified to remove microbiological contaminants to drinking water. Residents should boil their filtered water to ensure that their water is microbiologically safe. The, replace the cartridge / filter after the Boil Water Advisory has been lifted.

Hope this gives you what you need. If you need anything else, please let me know.

Derek DeLand

Environmental Health Programs Manager, Regulatory Affairs
NSF International
e: ddeland@nsf.org
o: 734-418-6683

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this transmission are solely of the author and do not necessarily represent those of NSF International or its affiliates.

Sent from my iPhone

RETAIN THIS IMAGE
RETAIN THIS IMAGE
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EXAMPLE

TOTAL RES	60,000	
TOTAL OCC	45,000	75 % OF OCC
OCC W/ FILTERS	35,000	78 % OF OCC
OCC W/O FILTERS	10,000	22 % OF OCC

OCC W/O FILTER 2,000 — 4 % OF OCC
CONTACT F2F

OCC W/O FILTER 7,000 — 16 % OF OCC
CONTACT CARD

OCC W/O FILTER 1,000 — 2 % OF OCC
NO CONTACT

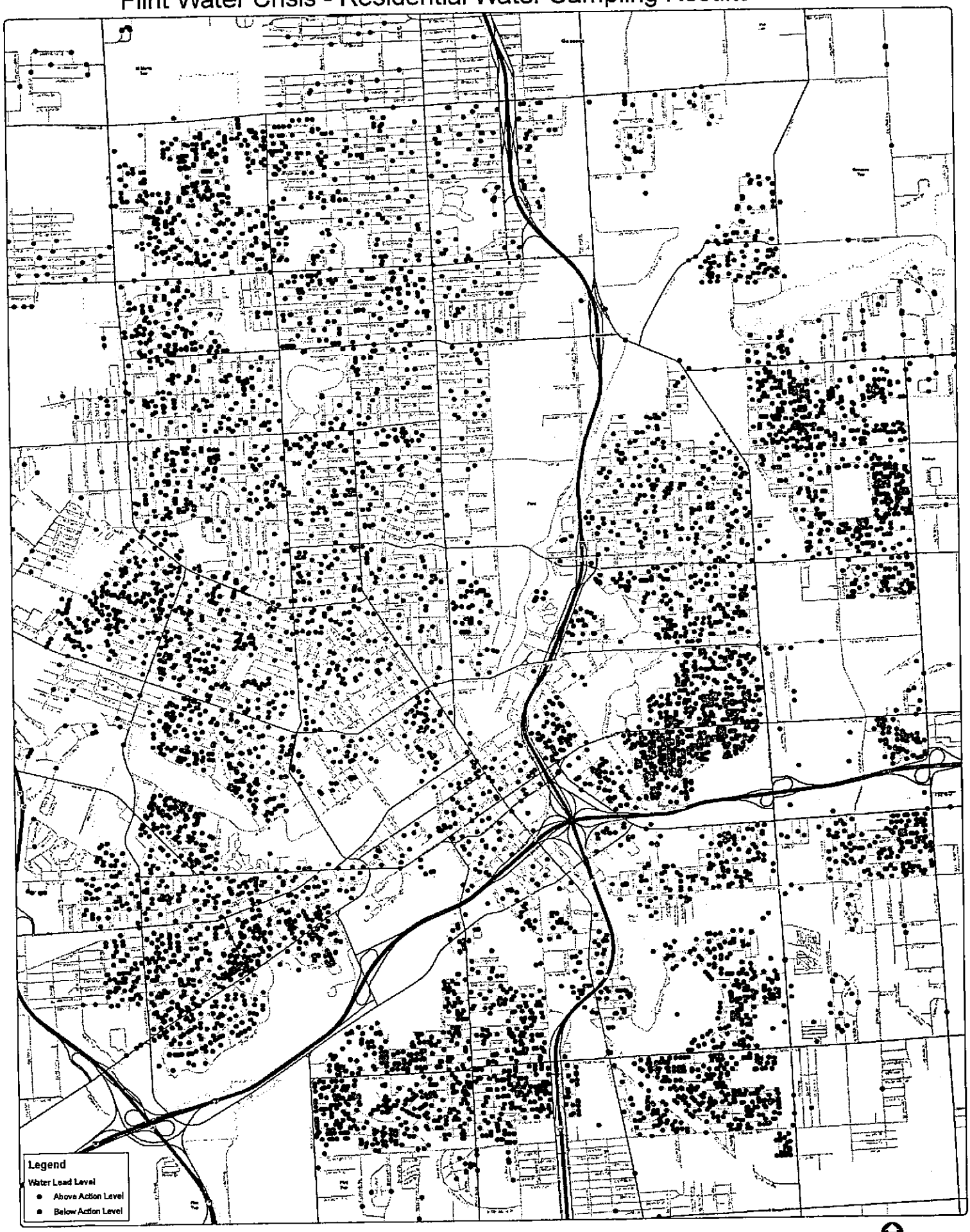
ACTIVE WATER CUSTOMER # %

OTHER # %

CARD OR NO CONTACT 8,000 18 %

ACTIVE WATER CUSTOMER 5,000 11 %

Flint Water Crisis - Residential Water Sampling Results - Lead



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 0.75 1.5

The information is being provided by the City of Flint, Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD). The MSP/EMHSD assumes no responsibility for the completeness or accuracy of the data displayed on this map. Data layers were compiled from various sources and are not to be construed as a "legal description".

Author: msp-seocgis2@michigan.gov, (A111)
Created: 03:23 PM, 07 Feb 16

MSP-SEOC_GOVERNOR

From: Geiger, Ben (GOV)
Sent: Thursday, February 11, 2016 9:09 AM
To: MSP-SEOC_GOVERNOR
Subject: Fwd: An invitation to join an ArcGIS Online Organization, City of Flint. DO NOT REPLY

Sent from my iPhone

Begin forwarded message:

> **From:** ArcGIS Notifications <notifications@arcgis.com>
> **Date:** February 8, 2016 at 5:47:08 PM EST
> **To:** <geigerb@michigan.gov>
> **Subject: An invitation to join an ArcGIS Online Organization, City of Flint. DO NOT REPLY**
> **Reply-To:** <msp-seocgis@michigan.gov>
>
> James Tchorzynski has invited you to join an ArcGIS Online Organization, City of Flint.
>
> Please click this link to finish setting up your account and establish your password:
> https://www.arcgis.com/home/newuser.html?invitation=A44501a85f96b42cdbded4a365edf7192
>
> Note that your account has already been created for you with the username,
> **MSP_SEOC_geiger.**
>
> If you have difficulty signing in, please contact James Tchorzynski (msp-seocgis@michigan.gov). Be sure to include a description of the problem, the error message, and a screenshot.
>
> For your reference, you can access the home page of the organization here:
> http://Flint.maps.arcgis.com/home/
>
> This link will expire in two weeks.
>
> This is an automated email, please do not reply.

Flint Residential Testing Report -results collected through February 7, 2016

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG08642	2/3/2016	Lead	9	Copper	160			FLINT	
LG01191	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG03668	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG09356	2/4/2016	Lead	1	Copper	70		/E	FLINT	48504
LG04111	1/26/2016	Lead	4	Copper	0		?A DR	FLINT	48504
LG06283	1/30/2016	Lead	2	Copper	250		?A DR	FLINT	
LG07963	2/2/2016	Lead	0	Copper	0		?A DR	FLINT	
LG08484	2/3/2016	Lead	8	Copper	0		?A DR	FLINT	48504
LG02603	1/22/2016	Lead	0	Copper	0		?D	FLINT	48504
LG06003	1/29/2016	Lead	0	Copper	0		?T	FLINT	48504
LF87376	10/13/2015	Lead	2	Copper	100		?T	FLINT	48504
LG01006	1/20/2016	Lead	7	Copper	130		?T	FLINT	48504
LG00454	1/19/2016	Lead	0	Copper	60		?T	FLINT	48504
LG10547	2/7/2016	Lead	4	Copper	180		?T	FLINT	48504
LG03729	1/25/2016	Lead	0	Copper	70		?T	FLINT	48504
LG01642	1/21/2016	Lead	1	Copper	150		ST	FLINT	
LG08620	2/3/2016	Lead	0	Copper	0		RIVE	FLINT	48504
LG02614	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG09819	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09667	2/5/2016	Lead	0	Copper	0		T	FLINT	48506
LG04188	1/26/2016	Lead	9	Copper	210			FLINT	48503
LG08502	2/3/2016	Lead	3	Copper	0			FLINT	48505
LG01374	1/21/2016	Lead	1	Copper	190			FLINT	
LG07043	2/1/2016	Lead	3	Copper	0			FLINT	48503
LG09380	2/4/2016	Lead	1	Copper	0			FLINT	48503
LG01977	1/21/2016	Lead	0	Copper	0		EET	FLINT	48503
LG09464	2/4/2016	Lead	11	Copper	0			FLINT	48504
LG02712	1/23/2016	Lead	4	Copper	0			FLINT	48504
LG00615	1/19/2016	Lead	7	Copper	170			FLINT	48504
LG08585	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG04848	1/27/2016	Lead	2	Copper	170			FLINT	48504
LG00959	1/20/2016	Lead	0	Copper	0			FLINT	
LF94273	12/2/2015	Lead	3	Copper	190			FLINT	48504
LG09173	2/4/2016	Lead	1	Copper	100			FLINT	48504
LG01361	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01213	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG09494	2/4/2016	Lead	0	Copper	110			FLINT	48504
LG03805	1/25/2016	Lead	4	Copper	0			FLINT	48504
LG04573	1/26/2016	Lead	0	Copper	50			FLINT	48504
LG01841	1/21/2016	Lead	0	Copper	100			FLINT	48504
LG01626	1/21/2016	Lead	4	Copper	110			FLINT	48504
LG01987	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG03061	1/24/2016	Lead	2	Copper	0			FLINT	48503
LG02776	1/23/2016	Lead	5	Copper	0			FLINT	48503
LG01751	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01004	1/20/2016	Lead	0	Copper	110				
LG09349	2/4/2016	Lead	0	Copper	0		NE	FLINT	48504
LG09936	2/5/2016	Lead	0	Copper	0		NE	FLINT	48504
LG05530	1/28/2016	Lead	2	Copper	0		NE	FLINT	48504
LG07824	2/2/2016	Lead	0	Copper	0				48504
LG09121	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG01408	1/21/2016	Lead	1	Copper	0			FLINT	48529
LG06083	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG07909	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG09127	2/4/2016	Lead	[redacted]	Copper	200			FLINT	48507
LG04177	1/26/2016	Lead	1	Copper	50			FLINT	48507
LG06220	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG00854	1/20/2016	Lead	0	Copper	50			FLINT	48507
LG02067	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG00849	1/20/2016	Lead	2	Copper	80			FLINT	48503
LG01470	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG07399	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG07400	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG08514	2/3/2016	Lead	0	Copper	50			FLINT	48503
LG07659	2/2/2016	Lead	0	Copper	150			FLINT	48503
LF94304	12/2/2015	Lead	0	Copper	0			FLINT	
LG01681	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG08270	2/3/2016	Lead	5	Copper	170		282C	FLINT	48503
LG08267	2/3/2016	Lead	4	Copper	60		APT 281C	FLINT	48503
LG03156	1/24/2016	Lead	0	Copper	60		NUE	FLINT	48503
LF99932	1/15/2016	Lead	5	Copper	0				48503
LG10186	2/6/2016	Lead	2	Copper	0			FLINT	48503
LF87014	10/8/2015	Lead	3	Copper	0			FLINT	48503
LG05196	1/27/2016	Lead	6	Copper	120			FLINT	48503
LF99984	1/15/2016	Lead	3	Copper	180			FLINT	48506
LF87380	10/13/2015	Lead	1	Copper	50			FLINT	48506
LG05619	1/28/2016	Lead	0	Copper	60			FLINT	48506
LG01386	1/21/2016	Lead	0	Copper	100			FLINT	48506
LG07984	2/2/2016	Lead	0	Copper	0			FLINT	
LG01565	1/21/2016	Lead	0	Copper	50			FLINT	48506
LF87055	10/8/2015	Lead	3	Copper	60			FLINT	48506
LG01469	1/21/2016	Lead	0	Copper	0			FLINT	48506

Flint Residential Testing Report -results collected through February 7, 2016

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LF87369	10/13/2015	Lead	0	Copper	0			FLINT	48506
LG06374	1/30/2016	Lead	3	Copper	200			FLINT	48506
LG05936	1/29/2016	Lead	0	Copper	0		?	FLINT	48503
LG03718	1/25/2016	Lead	2	Copper	0		?	FLINT	48503
LF94290	12/2/2015	Lead	0	Copper	0		?	FLINT	48503
LG07708	2/2/2016	Lead	5	Copper	0		?	FLINT	48503
LG05507	1/28/2016	Lead	0	Copper	120		?	FLINT	48503
LG01341	1/21/2016	Lead	0	Copper	0		RIVE	FLINT	48503
LG04866	1/27/2016	Lead	3	Copper	0		RIVE	FLINT	48503
LG03025	1/24/2016	Lead	8	Copper	100		)	FLINT	48503
LG06755	2/1/2016	Lead	0	Copper	0		RIVE	FLINT	48506
LG05506	1/28/2016	Lead	0	Copper	80			FLINT	48504
LG03777	1/25/2016	Lead	0	Copper	100			FLINT	48504
LG01431	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG07939	2/2/2016	Lead	5	Copper	0			FLINT	48507
LG10493	2/7/2016	Lead	0	Copper	0			FLINT	48507
LG02908	1/23/2016	Lead	0	Copper	0			FLINT	48507
LF87406	10/13/2015	Lead	7	Copper	50			FLINT	48507
LG02863	1/23/2016	Lead	5	Copper	0			FLINT	48507
LG05020	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG06801	2/1/2016	Lead	0	Copper	0			FLINT	
LG07074	2/1/2016	Lead	0	Copper	0			FLINT	
LG05261	1/27/2016	Lead	4	Copper	0			FLINT	48507
LG02050	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG06224	1/29/2016	Lead	3	Copper	90			FLINT	48507
LG02632	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG03516	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG06329	1/30/2016	Lead	[redacted]	Copper	290			FLINT	48507
LG01912	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG02534	1/22/2016	Lead	[redacted]	Copper	260			FLINT	48507
LF92733	11/18/2015	Lead	[redacted]	Copper	0			FLINT	48507
LG09689	2/5/2016	Lead	3	Copper	80			FLINT	48507
LG03538	1/25/2016	Lead	0	Copper	110			FLINT	48532
LG06456	1/30/2016	Lead	0	Copper	90			FLINT	48504
LG09185	2/4/2016	Lead	3	Copper	0		E	FLINT	48503
LG01834	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG05504	1/28/2016	Lead	1	Copper	0			FLINT	48504
LG04417	1/26/2016	Lead	3	Copper	0			FLINT	48504
LG03472	1/25/2016	Lead	14	Copper	180			FLINT	48504
LG04846	1/27/2016	Lead	[redacted]	Copper	610			FLINT	
LG09655	2/5/2016	Lead	2	Copper	0			FLINT	48504
LG07810	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG08588	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG00513	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG05999	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG00604	1/19/2016	Lead	1	Copper	60			FLINT	48504
LF99998	1/15/2016	Lead	3	Copper	100			FLINT	
LG01703	1/21/2016	Lead	0	Copper	50			FLINT	48504
LG02323	1/22/2016	Lead	4	Copper	110			FLINT	48504
LG07809	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG03479	1/25/2016	Lead	8	Copper	0			FLINT	48504
LG02311	1/22/2016	Lead	0	Copper	110			FLINT	48504
LG04971	1/27/2016	Lead	0	Copper	170			FLINT	48504
LG03693	1/25/2016	Lead	13	Copper	140			FLINT	48504
LG04404	1/26/2016	Lead	3	Copper	0			FLINT	48504
LG07046	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG06968	2/1/2016	Lead	0	Copper	0		NE	FLINT	48503
LG08490	2/3/2016	Lead	0	Copper	0		NE	FLINT	48503
LG05223	1/27/2016	Lead	0	Copper	70		NE	FLINT	48503
LG07431	2/2/2016	Lead	0	Copper	0		NE	FLINT	48503
LG04569	1/26/2016	Lead	1	Copper	50		NE	FLINT	48503
LG01833	1/21/2016	Lead	0	Copper	0		NE	FLINT	48503
LG06581	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG08424	2/3/2016	Lead	0	Copper	50			FLINT	48503
LG06346	1/30/2016	Lead	0	Copper	90			FLINT	48503
LG06350	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG08309	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG06542	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG02086	1/21/2016	Lead	0	Copper	0		LL AVE	FLINT	48505
LG09126	2/4/2016	Lead	0	Copper	0		WY	FLINT	48503
LF97329	12/18/2015	Lead	3	Copper	150			FLINT	48503
LG07462	2/2/2016	Lead	13	Copper	220			FLINT	48503
LG03709	1/25/2016	Lead	0	Copper	70			FLINT	48503
LG06191	1/29/2016	Lead	0	Copper	0		LIN AVE	FLINT	48503
LG06548	1/31/2016	Lead	[redacted]	Copper	[redacted]		LIN AVE	FLINT	48503
LG08522	2/3/2016	Lead	0	Copper	330		LIN AVE	FLINT	48503
LG05197	1/27/2016	Lead	6	Copper	80		ST	FLINT	48503
LG05198	1/27/2016	Lead	8	Copper	430		ST	FLINT	48503
LG03149	1/24/2016	Lead	0	Copper	0		RIVE	FLINT	48507
LG00529	1/19/2016	Lead	1	Copper	200		VE	FLINT	48507
LG01434	1/21/2016	Lead	0	Copper	50		VE	FLINT	48507
LG02859	1/23/2016	Lead	0	Copper	0		VE	FLINT	48507

Flint Residential Testing Report -*results collected through* February 7, 2016

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG02857	1/23/2016	Lead	[redacted]	Copper	100		\VE	FLINT	48507
LG01192	1/21/2016	Lead	1	Copper	80		\VE	FLINT	48507
LG02021	1/21/2016	Lead	2	Copper	70		\VE	FLINT	48507
LG01859	1/21/2016	Lead	0	Copper	0		AVE	FLINT	48507
LG04856	1/27/2016	Lead	0	Copper	0		DRIVE	FLINT	48504
LG08520	2/3/2016	Lead	0	Copper	130			FLINT	48503
LG03045	1/24/2016	Lead	0	Copper	240			FLINT	48503
LG01508	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG08510	2/3/2016	Lead	7	Copper	90			FLINT	48505
LG06076	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG02811	1/23/2016	Lead	0	Copper	0		'	FLINT	48504
LG08591	2/3/2016	Lead	0	Copper	70		' DR	FLINT	48504
LG02810	1/23/2016	Lead	0	Copper	0		' DRIVE	FLINT	48504
LG04859	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG06123	1/29/2016	Lead	4	Copper	80			FLINT	
LG04131	1/26/2016	Lead	0	Copper	0		T	FLINT	48503
LG03545	1/25/2016	Lead	0	Copper	0		T	FLINT	48503
LG07826	2/2/2016	Lead	1	Copper	0		T	FLINT	48503
LF86503	10/6/2015	Lead	2	Copper	130		T	FLINT	48503
LG09119	2/4/2016	Lead	0	Copper	60		T	FLINT	48503
LG02870	1/23/2016	Lead	0	Copper	0		T	FLINT	48503
LG03637	1/25/2016	Lead	0	Copper	50		ST	FLINT	48503
LG08374	2/3/2016	Lead	4	Copper	310			FLINT	48504
LG05442	1/28/2016	Lead	10	Copper	140			FLINT	48504
LG09144	2/4/2016	Lead	2	Copper	0			FLINT	48504
LF85329	9/29/2015	Lead	[redacted]	Copper	1,220		IEY CATHOLIC SCHOOL	FLINT	
LG06619	1/31/2016	Lead	5	Copper	70		E	FLINT	48503
LG06844	2/1/2016	Lead	1	Copper	0			FLINT	48503
LG02212	1/21/2016	Lead	4	Copper	60			FLINT	48503
LG00582	1/19/2016	Lead	2	Copper	70		R		
LG09826	2/5/2016	Lead	4	Copper	80		R	FLINT	48506
LG03591	1/25/2016	Lead	2	Copper	80		R ST	FLINT	48506
LG04568	1/26/2016	Lead	1	Copper	0		R ST	FLINT	48506
LG09378	2/4/2016	Lead	6	Copper	90		R ST	FLINT	48506
LG08557	2/3/2016	Lead	0	Copper	0		R ST	FLINT	48506
LG03787	1/25/2016	Lead	8	Copper	100		R ST	FLINT	48506
LF97929	12/29/2015	Lead	0	Copper	0			FLINT	48504
LG09828	2/5/2016	Lead	0	Copper	130		129	FLINT	48504
LG02479	1/22/2016	Lead	0	Copper	180		APT #106	FLINT	48504
LF87407	10/13/2015	Lead	6	Copper	320			FLINT	48504
LF93554	11/24/2015	Lead	0	Copper	210			FLINT	48504
LG08445	2/3/2016	Lead	0	Copper	0		17	FLINT	48504
LG02778	1/23/2016	Lead	[redacted]	Copper	1,270			FLINT	48504
LG07965	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG04147	1/26/2016	Lead	1	Copper	0			FLINT	48504
LF94274	12/2/2015	Lead	2	Copper	0			FLINT	48504
LG07510	2/2/2016	Lead	2	Copper	0			FLINT	48504
LG07697	2/2/2016	Lead	13	Copper	80			FLINT	
LG06809	2/1/2016	Lead	1	Copper	70			FLINT	48504
LG08535	2/3/2016	Lead	10	Copper	130			FLINT	
LG00940	1/20/2016	Lead	0	Copper	0		ET	FLINT	48504
LG02007	1/21/2016	Lead	0	Copper	0				
LG05589	1/28/2016	Lead	[redacted]	Copper	220			FLINT	48502
LG02352	1/22/2016	Lead	1	Copper	100			FLINT	48502
LF87944	10/16/2015	Lead	2	Copper	190			FLINT	48502
LG01722	1/21/2016	Lead	0	Copper	90			FLINT	48505
LG06971	2/1/2016	Lead	[redacted]	Copper	380			FLINT	48504
LG08440	2/3/2016	Lead	0	Copper	50		T 18	FLINT	48504
LG01528	1/21/2016	Lead	0	Copper	0			FLINT	48514
LG02140	1/21/2016	Lead	2	Copper	0			FLINT	
LG02358	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02359	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG08538	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG07496	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG03639	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG06081	1/29/2016	Lead	1	Copper	0			FLINT	48504
LG10114	2/6/2016	Lead	[redacted]	Copper	230			FLINT	48504
LG00499	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG00609	1/19/2016	Lead	4	Copper	230			FLINT	
LG06516	1/31/2016	Lead	3	Copper	0			FLINT	48504
LG07048	2/1/2016	Lead	4	Copper	0			FLINT	
LG06835	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG01286	1/21/2016	Lead	8	Copper	140			FLINT	48504
LG07090	2/1/2016	Lead	1	Copper	140			FLINT	48504
LG03799	1/25/2016	Lead	[redacted]	Copper	60			FLINT	48504
LG01908	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG05709	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG04295	1/26/2016	Lead	0	Copper	0			FLINT	
LG08403	2/3/2016	Lead	4	Copper	200			FLINT	48504
LG06432	1/30/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48504
LG05063	1/27/2016	Lead	2	Copper	0			FLINT	48504
LG07631	2/2/2016	Lead	0	Copper	100			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG00589	1/19/2016	Lead	4	Copper	0		REET	FLINT	48504
LG02885	1/23/2016	Lead	3	Copper	70		REET	FLINT	48504
LG07712	2/2/2016	Lead	0	Copper	270		REET	FLINT	48504
LG07515	2/2/2016	Lead	0	Copper	60			FLINT	48505
LG08614	2/3/2016	Lead	2	Copper	60			FLINT	48503
LG09776	2/5/2016	Lead	6	Copper	0			FLINT	48503
LG05205	1/27/2016	Lead	1	Copper	0			FLINT	48503
LG05294	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG07766	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG01618	1/21/2016	Lead	2	Copper	70			FLINT	48504
LG09355	2/4/2016	Lead	2	Copper	0		REET	FLINT	48503
LG02119	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG04104	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04388	1/26/2016	Lead	1	Copper	80			FLINT	48503
LG07770	2/2/2016	Lead	0	Copper	50			FLINT	48053
LG09230	2/4/2016	Lead	4	Copper	0			FLINT	48503
LG05732	1/28/2016	Lead	0	Copper	70			FLINT	48503
LG07727	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG06281	1/30/2016	Lead	3	Copper	80			FLINT	48503
LG05770	1/28/2016	Lead	[redacted]	Copper	50			FLINT	48503
LG09154	2/4/2016	Lead	3	Copper	0			FLINT	48503
LG07460	2/2/2016	Lead	0	Copper	380			FLINT	48503
LG05716	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG10105	2/6/2016	Lead	3	Copper	80			FLINT	48503
LG05158	1/27/2016	Lead	0	Copper	80			FLINT	
LF88958	10/26/2015	Lead	2	Copper	70			FLINT	48503
LF88959	10/26/2015	Lead	1	Copper	190			FLINT	48503
LG03742	1/25/2016	Lead	1	Copper	60			FLINT	48503
LG03561	1/25/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG01231	1/21/2016	Lead	4	Copper	0			FLINT	48503
LG01222	1/21/2016	Lead	0	Copper	80			FLINT	48503
LG05529	1/28/2016	Lead	[redacted]	Copper	410			FLINT	48503
LG01363	1/21/2016	Lead	4	Copper	90		#3	FLINT	48503
LF99947	1/15/2016	Lead	1	Copper	70			FLINT	48503
LF99959	1/15/2016	Lead	0	Copper	0			FLINT	48503
LG01196	1/21/2016	Lead	2	Copper	60			FLINT	48503
LG09914	2/5/2016	Lead	1	Copper	0			FLINT	48503
LG10255	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG09833	2/5/2016	Lead	0	Copper	0		R	FLINT	48507
LG03474	1/25/2016	Lead	0	Copper	0		R	FLINT	48507
LG05028	1/27/2016	Lead	0	Copper	70		R	FLINT	48507
LG02447	1/22/2016	Lead	0	Copper	0		R	FLINT	
LG01415	1/21/2016	Lead	0	Copper	50		R	FLINT	48507
LG05053	1/27/2016	Lead	0	Copper	50		K	FLINT	48507
LG07812	2/2/2016	Lead	2	Copper	0		K	FLINT	48507
LG02187	1/21/2016	Lead	1	Copper	80		K CT	FLINT	48507
LG05061	1/27/2016	Lead	7	Copper	230		K CT	FLINT	48507
LG08354	2/3/2016	Lead	1	Copper	70		K CT	FLINT	48507
LG06417	1/30/2016	Lead	0	Copper	130		K CT	FLINT	48507
LG08761	2/3/2016	Lead	0	Copper	0		K CT	FLINT	
LG09062	2/4/2016	Lead	0	Copper	110		TREET	FLINT	48504
LG07035	2/1/2016	Lead	1	Copper	160		OURT	FLINT	48505
LG04364	1/26/2016	Lead	[redacted]	Copper	300			FLINT	48505
LG06906	2/1/2016	Lead	3	Copper	100			FLINT	48505
LG02757	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG01794	1/21/2016	Lead	0	Copper	80		E RUN	FLINT	48506
LG01763	1/21/2016	Lead	0	Copper	0		LN	FLINT	48532
LG02597	1/22/2016	Lead	0	Copper	0		R APT#4	FLINT	48504
LG07055	2/1/2016	Lead	2	Copper	0			FLINT	48507
LG03689	1/25/2016	Lead	2	Copper	160			FLINT	
LG00909	1/20/2016	Lead	10	Copper	0			FLINT	48504
LG02337	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG06737	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG10267	2/6/2016	Lead	2	Copper	0			FLINT	48504
LG07674	2/2/2016	Lead	1	Copper	0			FLINT	48504
LG04890	1/27/2016	Lead	1	Copper	130			FLINT	48504
LG07530	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG08696	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG02954	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG09457	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG03072	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG03013	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG06092	1/29/2016	Lead	2	Copper	200			FLINT	
LG02617	1/22/2016	Lead	0	Copper	60			FLINT	48504
LG04510	1/26/2016	Lead	2	Copper	80			FLINT	48504
LG03554	1/25/2016	Lead	0	Copper	0			FLINT	48532
LG07686	2/2/2016	Lead	0	Copper	100			FLINT	48532
LG04057	1/26/2016	Lead	0	Copper	0		VE	FLINT	48503
LG07531	2/2/2016	Lead	4	Copper	50		R	FLINT	48506
LG02517	1/22/2016	Lead	0	Copper	90		R	FLINT	48506
LG09759	2/5/2016	Lead	[redacted]	Copper	260		R	FLINT	48506
LG03082	1/24/2016	Lead	0	Copper	0		R	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG02568	1/22/2016	Lead	4	Copper	160			FLINT	48506
LG07609	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG00554	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG02170	1/21/2016	Lead	0	Copper	70			FLINT	48506
LG06587	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06768	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG01646	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG01883	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG02161	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG01485	1/21/2016	Lead	0	Copper	60		VE	FLINT	
LG04059	1/26/2016	Lead	[redacted]	Copper	160		VE	FLINT	48506
LG04235	1/26/2016	Lead	0	Copper	0		VE	FLINT	48506
LG01507	1/21/2016	Lead	0	Copper	0		/	FLINT	48506
LG05608	1/28/2016	Lead	[redacted]	Copper	210			FLINT	48503
LG03614	1/25/2016	Lead	2	Copper	0			FLINT	
LG03620	1/25/2016	Lead	0	Copper	0			FLINT	48503
LF94263	12/2/2015	Lead	0	Copper	0			FLINT	48503
LG00546	1/19/2016	Lead	3	Copper	70			FLINT	48503
LF99151	1/7/2016	Lead	0	Copper	120			FLINT	
LG09680	2/5/2016	Lead	0	Copper	90			FLINT	48503
LG08602	2/3/2016	Lead	0	Copper	0		URT	FLINT	48505
LG05537	1/28/2016	Lead	4	Copper	0			FLINT	48505
LG06355	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG04363	1/26/2016	Lead	2	Copper	120			FLINT	48505
LG02935	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG04333	1/26/2016	Lead	0	Copper	60			FLINT	48505
LG03782	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03795	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG01204	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG00926	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG04279	1/26/2016	Lead	0	Copper	70			FLINT	48505
LG04855	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG06997	2/1/2016	Lead	0	Copper	180			FLINT	48504
LG02325	1/22/2016	Lead	0	Copper	0			FLINT	48504
LF82706	9/15/2015	Lead	5	Copper	0			FLINT	48503
LG04141	1/26/2016	Lead	3	Copper	100			FLINT	48503
LG04190	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG02502	1/22/2016	Lead	1	Copper	0			FLINT	
LG02220	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG09868	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG03758	1/25/2016	Lead	2	Copper	120			FLINT	48503
LG06849	2/1/2016	Lead	0	Copper	0			FLINT	
LG05262	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG01873	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG00535	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00483	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG01875	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG10521	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG03033	1/24/2016	Lead	0	Copper	0			FLINT	
LG03051	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG01738	1/21/2016	Lead	6	Copper	140			FLINT	48532
LG08583	2/3/2016	Lead	3	Copper	0			FLINT	48532
LG04052	1/26/2016	Lead	0	Copper	50			FLINT	48532
LG01353	1/21/2016	Lead	0	Copper	0			FLINT	48532
LF87936	10/16/2015	Lead	5	Copper	0			FLINT	48503
LG08789	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG09134	2/4/2016	Lead	7	Copper	120			FLINT	48503
LG08762	2/3/2016	Lead	3	Copper	60			FLINT	
LG07061	2/1/2016	Lead	2	Copper	0			FLINT	48503
LG02834	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG03049	1/24/2016	Lead	6	Copper	60			FLINT	48503
LG08284	2/3/2016	Lead	0	Copper	70			FLINT	48503
LG04046	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG02690	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG05083	1/27/2016	Lead	3	Copper	190			FLINT	48507
LG08646	2/3/2016	Lead	[redacted]	Copper	550			FLINT	48507
LF87413	10/13/2015	Lead	2	Copper	60			FLINT	48507
LG00872	1/20/2016	Lead	2	Copper	210			FLINT	48507
LG08722	2/3/2016	Lead	2	Copper	210			FLINT	48507
LG01767	1/21/2016	Lead	1	Copper	160			FLINT	48507
LG04137	1/26/2016	Lead	0	Copper	140			FLINT	48507
LG02676	1/23/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG02915	1/23/2016	Lead	13	Copper	130			FLINT	48507
LG00578	1/19/2016	Lead	1	Copper	0				48506
LG07947	2/2/2016	Lead	0	Copper	50		T	FLINT	48507
LG04464	1/26/2016	Lead	0	Copper	80			FLINT	48507
LG06163	1/29/2016	Lead	0	Copper	60			FLINT	48507
LG01364	1/21/2016	Lead	0	Copper	50			FLINT	48507
LG03519	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG06826	2/1/2016	Lead	0	Copper	80			FLINT	48507
LG10218	2/6/2016	Lead	0	Copper	60			FLINT	48507
LG02873	1/23/2016	Lead	0	Copper	420			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG06452	1/30/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG05157	1/27/2016	Lead	9	Copper	170			FLINT	48503
LG06436	1/30/2016	Lead	[redacted]	Copper	320		2	FLINT	48503
LG09797	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09408	2/4/2016	Lead	0	Copper	60			FLINT	48506
LG02065	1/21/2016	Lead	0	Copper	0		E	FLINT	48506
LG10080	2/6/2016	Lead	0	Copper	90		E	FLINT	48506
LG02055	1/21/2016	Lead	0	Copper	0			FLINT	48505
LF86492	10/6/2015	Lead	1	Copper	0			FLINT	48506
LG09728	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG07589	2/2/2016	Lead	4	Copper	0			FLINT	48506
LG09407	2/4/2016	Lead	2	Copper	0			FLINT	48506
LG06438	1/30/2016	Lead	3	Copper	0			FLINT	48506
LG02853	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG09824	2/5/2016	Lead	0	Copper	52			FLINT	48506
LG04481	1/26/2016	Lead	1	Copper	60			FLINT	48506
LF86496	10/6/2015	Lead	[redacted]	Copper	70			FLINT	48506
LG01998	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG02228	1/21/2016	Lead	4	Copper	0			FLINT	48506
LG02002	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG10160	2/6/2016	Lead	1	Copper	110			FLINT	48506
LG04384	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG06588	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG04168	1/26/2016	Lead	3	Copper	0			FLINT	48506
LG01519	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG09729	2/5/2016	Lead	5	Copper	0			FLINT	48504
LG04607	1/26/2016	Lead	1	Copper	90			FLINT	48504
LG09178	2/4/2016	Lead	1	Copper	70			FLINT	48504
LG03673	1/25/2016	Lead	4	Copper	0			FLINT	48504
LG01941	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG09656	2/5/2016	Lead	[redacted]	Copper	380			FLINT	48504
LG06570	1/31/2016	Lead	6	Copper	250			FLINT	48504
LG07898	2/2/2016	Lead	3	Copper	210			FLINT	48504
LG02082	1/21/2016	Lead	0	Copper	70			FLINT	48504
LG06763	2/1/2016	Lead	1	Copper	130			FLINT	48504
LG04248	1/26/2016	Lead	3	Copper	390			FLINT	48504
LG09203	2/4/2016	Lead	10	Copper	130			FLINT	48504
LG09429	2/4/2016	Lead	3	Copper	0			FLINT	48504
LG06952	2/1/2016	Lead	2	Copper	0			FLINT	
LG02492	1/22/2016	Lead	3	Copper	130			FLINT	48504
LG09737	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG06930	2/1/2016	Lead	0	Copper	60			FLINT	48504
LF94275	12/2/2015	Lead	1	Copper	100			FLINT	48504
LG00908	1/20/2016	Lead	2	Copper	110		ET	FLINT	48504
LG02670	1/23/2016	Lead	[redacted]	Copper	280		ET	FLINT	48504
LG08327	2/3/2016	Lead	6	Copper	0		ET	FLINT	48504
LG04311	1/26/2016	Lead	2	Copper	0		ET	FLINT	48054
LG09995	2/5/2016	Lead	0	Copper	0		ET	FLINT	48504
LG01283	1/21/2016	Lead	0	Copper	0		ET	FLINT	48504
LG08406	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08803	2/3/2016	Lead	0	Copper	0			FLINT	
LF89521	10/30/2015	Lead	1	Copper	0		#1	FLINT	48503
LG03617	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG08471	2/3/2016	Lead	1	Copper	50			FLINT	48503
LG06299	1/30/2016	Lead	[redacted]	Copper	90			FLINT	48503
LG03759	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG08635	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG03819	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03018	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03757	1/25/2016	Lead	[redacted]	Copper	60			FLINT	48503
LG07877	2/2/2016	Lead	0	Copper	0		#1-C	FLINT	48503
LG08537	2/3/2016	Lead	0	Copper	0		APT 1	FLINT	48503
LG02054	1/21/2016	Lead	1	Copper	0		EET	FLINT	48503
LG09855	2/5/2016	Lead	10	Copper	100			FLINT	48504
LG09472	2/4/2016	Lead	6	Copper	0			FLINT	48504
LG05075	1/27/2016	Lead	5	Copper	60			FLINT	48504
LG02059	1/21/2016	Lead	12	Copper	0			FLINT	48505
LG07523	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG10226	2/6/2016	Lead	0	Copper	0		DR	FLINT	48507
LG07696	2/2/2016	Lead	0	Copper	0		DR	FLINT	48507
LG01970	1/21/2016	Lead	0	Copper	0		DR	FLINT	48507
LG06333	1/30/2016	Lead	2	Copper	80		DR	FLINT	
LG06623	1/31/2016	Lead	3	Copper	100		DR	FLINT	48507
LG05265	1/27/2016	Lead	0	Copper	50			FLINT	48532
LG08750	2/3/2016	Lead	8	Copper	80			FLINT	48503
LG05557	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG01536	1/21/2016	Lead	0	Copper	0		OUR DR	FLINT	48506
LF87062	10/8/2015	Lead	5	Copper	80			FLINT	48507
LG06967	2/1/2016	Lead	2	Copper	0				
LG02698	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG01641	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG03663	1/25/2016	Lead	2	Copper	0		E	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG01680	1/21/2016	Lead	0	Copper	0		E	FLINT	48506
LG04838	1/27/2016	Lead	0	Copper	120			FLINT	48506
LG06799	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG10234	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG07438	2/2/2016	Lead	0	Copper	0		VE	FLINT	48505
LG08732	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08412	2/3/2016	Lead	2	Copper	140			FLINT	48505
LG09938	2/5/2016	Lead	0	Copper	50			FLINT	48505
LG06894	2/1/2016	Lead	0	Copper	0			FLINT	48505
LG09488	2/4/2016	Lead	0	Copper	0			FLINT TWP	48532
LG04598	1/26/2016	Lead	0	Copper	0		/E	FLINT	48532
LG09118	2/4/2016	Lead	0	Copper	100			FLINT	48507
LG04830	1/27/2016	Lead	9	Copper	340			FLINT	
LG08438	2/3/2016	Lead	1	Copper	200			FLINT	48505
LF93584	11/24/2015	Lead	[redacted]	Copper	60		E	FLINT	48504
LG02595	1/22/2016	Lead	[redacted]	Copper	90		E	FLINT	48504
LG09308	2/4/2016	Lead	9	Copper	180		E	FLINT	
LG02557	1/22/2016	Lead	0	Copper	0		E	FLINT	48504
LF92718	11/18/2015	Lead	2	Copper	80		E	FLINT	48504
LF92728	11/18/2015	Lead	0	Copper	50		E	FLINT	
LG05148	1/27/2016	Lead	0	Copper	0		E	FLINT	48504
LG10116	2/6/2016	Lead	0	Copper	0		E	FLINT	48504
LG04321	1/26/2016	Lead	0	Copper	0		E	FLINT	48504
LG06795	2/1/2016	Lead	4	Copper	0		ENUE	FLINT	48504
LG03789	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG04811	1/27/2016	Lead	1	Copper	0			FLINT	48504
LF97320	12/18/2015	Lead	0	Copper	0			FLINT	48504
LG00614	1/19/2016	Lead	1	Copper	0			FLINT	48504
LG09060	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG05505	1/28/2016	Lead	2	Copper	60			FLINT	48504
LG04182	1/26/2016	Lead	0	Copper	0		IVE	FLINT	48504
LG07749	2/2/2016	Lead	0	Copper	0		IVE	FLINT	48504
LG00011	1/15/2016	Lead	0	Copper	220			FLINT	48503
LG09155	2/4/2016	Lead	0	Copper	200		E	FLINT	48503
LG00452	1/19/2016	Lead	0	Copper	0				
LG05167	1/27/2016	Lead	0	Copper	50			FLINT	48503
LG03773	1/25/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG06110	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG09382	2/4/2016	Lead	0	Copper	80			FLINT	48503
LF99937	1/15/2016	Lead	0	Copper	0			FLINT	48503
LG04308	1/26/2016	Lead	0	Copper	80			FLINT	48503
LF90456	11/4/2015	Lead	0	Copper	0			FLINT	48503
LG04831	1/27/2016	Lead	0	Copper	120			FLINT	48503
LG00516	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG09410	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09888	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG00981	1/20/2016	Lead	1	Copper	0		ET	FLINT	48503
LG02025	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01540	1/21/2016	Lead	3	Copper	0			FLINT	48507
LG05140	1/27/2016	Lead	2	Copper	100			FLINT	
LG05161	1/27/2016	Lead	1	Copper	0			FLINT	48506
LG04165	1/26/2016	Lead	[redacted]	Copper	120			FLINT	48506
LG02528	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02801	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG01837	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG06665	1/31/2016	Lead	[redacted]	Copper	660			FLINT	
LG03821	1/25/2016	Lead	3	Copper	60			FLINT	48506
LG01602	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG07722	2/2/2016	Lead	3	Copper	0			FLINT	48506
LG02519	1/22/2016	Lead	14	Copper	140			FLINT	48506
LG02804	1/23/2016	Lead	1	Copper	0		/E	FLINT	48506
LG02679	1/23/2016	Lead	0	Copper	0		/E	FLINT	48506
LG08639	2/3/2016	Lead	9	Copper	0			FLINT	48504
LG04106	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG10060	2/6/2016	Lead	2	Copper	0			FLINT	48504
LG07748	2/2/2016	Lead	9	Copper	230			FLINT	48504
LG04075	1/26/2016	Lead	0	Copper	90				48504
LF95934	12/10/2015	Lead	2	Copper	100			FLINT	48504
LG05481	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG08285	2/3/2016	Lead	0	Copper	50		E	FLINT	48504
LF85602	9/30/2015	Lead	6	Copper	0		/E	FLINT	48503
LG09658	2/5/2016	Lead	0	Copper	0		/E	FLINT	48503
LF88963	10/26/2015	Lead	9	Copper	250		/E	FLINT	48504
LF88970	10/26/2015	Lead	2	Copper	140		/E	FLINT	48504
LG07775	2/2/2016	Lead	0	Copper	190		/E	FLINT	48504
LG06331	1/30/2016	Lead	3	Copper	140		/E	FLINT	48504
LG07972	2/2/2016	Lead	0	Copper	150		/E	FLINT	48504
LG04814	1/27/2016	Lead	0	Copper	0		/ENUE	FLINT	48503
LG09170	2/4/2016	Lead	1	Copper	0		/ENUE	FLINT	48506
LG10539	2/7/2016	Lead	0	Copper	0			FLINT	
LG02967	1/23/2016	Lead	1	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05479	1/28/2016	Lead	2	Copper	0			FLINT	48506
LG01575	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02401	1/22/2016	Lead	2	Copper	420		01 E COURT ST	FLINT	48503
LG01961	1/21/2016	Lead	0	Copper	0		LLING WOOD APT]	FLINT	48506
LF87367	10/13/2015	Lead	1	Copper	0			FLINT	48503
LG02324	1/22/2016	Lead	0	Copper	60			FLINT	48503
LG10476	2/7/2016	Lead	0	Copper	70		R	FLINT	48532
LG08446	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG05941	1/29/2016	Lead	0	Copper	110			FLINT	48504
LG09831	2/5/2016	Lead	3	Copper	60			FLINT	48504
LG06021	1/29/2016	Lead	0	Copper	0		E	FLINT	48503
LG01712	1/21/2016	Lead	1	Copper	0		D	FLINT	48507
LG09090	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09125	2/4/2016	Lead	0	Copper	50			FLINT	48507
LG05630	1/28/2016	Lead	2	Copper	180			FLINT	48507
LG02794	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG10580	2/7/2016	Lead	1	Copper	90			MT MORRIS	48458
LG06960	2/1/2016	Lead	0	Copper	150		R	FLINT	48503
LG01823	1/21/2016	Lead	4	Copper	0		ST	FLINT	48505
LG06121	1/29/2016	Lead	6	Copper	150			FLINT	48507
LG09262	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09113	2/4/2016	Lead	3	Copper	0			FLINT	48507
LG09305	2/4/2016	Lead	5	Copper	0			FLINT	48507
LG04537	1/26/2016	Lead	1	Copper	0			FLINT	48507
LG10535	2/7/2016	Lead	0	Copper	0			FLINT	
LG01974	1/21/2016	Lead	4	Copper	0			FLINT	48507
LF99951	1/15/2016	Lead	0	Copper	0			FLINT	48507
LG01782	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG00989	1/20/2016	Lead	7	Copper	130			FLINT	48507
LF97344	12/18/2015	Lead	2	Copper	0			FLINT	
LG01630	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG02636	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02866	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02116	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG10083	2/6/2016	Lead	0	Copper	60			FLINT	48507
LG00619	1/19/2016	Lead	3	Copper	0			FLINT	48507
LG10017	2/5/2016	Lead	4	Copper	120			FLINT	48507
LG06656	1/31/2016	Lead	1	Copper	0			FLINT	48507
LG06214	1/29/2016	Lead	1	Copper	60			FLINT	48507
LG07917	2/2/2016	Lead	5	Copper	110			FLINT	48507
LG02232	1/21/2016	Lead	4	Copper	0			FLINT	48507
LG09832	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG03464	1/25/2016	Lead	0	Copper	50			FLINT	48507
LG05669	1/28/2016	Lead	[redacted]	Copper	280			FLINT	48507
LG06340	1/30/2016	Lead	2	Copper	0			FLINT	48507
LG01631	1/21/2016	Lead	4	Copper	0			FLINT	48507
LG02802	1/23/2016	Lead	[redacted]	Copper	920			FLINT	48507
LG07650	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG01395	1/21/2016	Lead	0	Copper	150			FLINT	48507
LG02412	1/22/2016	Lead	3	Copper	70		NUE	FLINT	48507
LG09363	2/4/2016	Lead	[redacted]	Copper	170		NUE	FLINT	48507
LG09925	2/5/2016	Lead	0	Copper	0		NUE	FLINT	48507
LG06796	2/1/2016	Lead	0	Copper	0		E	FLINT	48507
LG09067	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG01910	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02638	1/22/2016	Lead	5	Copper	0		T	FLINT	48503
LG01733	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG01404	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01529	1/21/2016	Lead	1	Copper	60			FLINT	48507
LG00990	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG01193	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG01003	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG06337	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG01533	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG07791	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG09774	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG01407	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG06292	1/30/2016	Lead	[redacted]	Copper	120			FLINT	48507
LG09120	2/4/2016	Lead	4	Copper	60				48507
LG01266	1/21/2016	Lead	3	Copper	0			FLINT	48507
LG06810	2/1/2016	Lead	1	Copper	230			FLINT	48507
LG09306	2/4/2016	Lead	0	Copper	180			FLINT	48507
LG10254	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG06028	1/29/2016	Lead	0	Copper	0		APT 1	FLINT	48507
LG02373	1/22/2016	Lead	2	Copper	0		UE	FLINT	48507
LG07063	2/1/2016	Lead	2	Copper	60			FLINT	48507
LG08334	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08578	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08776	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG09246	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG00503	1/19/2016	Lead	0	Copper	0		T #21	FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG07713	2/2/2016	Lead	0	Copper	0	RT #21	FLINT	48503
LG06276	1/30/2016	Lead	0	Copper	0	RT TOWNHOUSE #17	FLINT	48503
LG09771	2/5/2016	Lead	0	Copper	0		FLINT	48506
LG01902	1/21/2016	Lead	3	Copper	60		FLINT	48503
LG03508	1/25/2016	Lead	3	Copper	0		FLINT	48503
LG05076	1/27/2016	Lead	8	Copper	210		FLINT	48503
LF99941	1/15/2016	Lead	2	Copper	0			48503
LG06987	2/1/2016	Lead	4	Copper	80		FLINT	48507
LG06827	2/1/2016	Lead	0	Copper	60		FLINT	48503
LG05706	1/28/2016	Lead	0	Copper	110		FLINT	48503
LG01209	1/21/2016	Lead	0	Copper	0		FLINT	48503
LG09340	2/4/2016	Lead	0	Copper	0		FLINT	48503
LF97342	12/18/2015	Lead	9	Copper	150		FLINT	
LG02411	1/22/2016	Lead	0	Copper	200	E	FLINT	48503
LG07731	2/2/2016	Lead	7	Copper	0		FLINT	48504
LG03155	1/24/2016	Lead	6	Copper	0		FLINT	48503
LG02112	1/21/2016	Lead	0	Copper	0		FLINT	48503
LG09215	2/4/2016	Lead	0	Copper	0		FLINT	48503
LG06902	2/1/2016	Lead	0	Copper	120		FLINT	48503
LG04280	1/26/2016	Lead	0	Copper	0		FLINT	48505
LF87018	10/8/2015	Lead	8	Copper	60		FLINT	48505
LG01264	1/21/2016	Lead	2	Copper	0		FLINT	48505
LG08598	2/3/2016	Lead	1	Copper	80		FLINT	48505
LG03517	1/25/2016	Lead	0	Copper	0		FLINT	48507
LG02847	1/23/2016	Lead	0	Copper	0	RD	FLINT	48507
LG03491	1/25/2016	Lead	2	Copper	0	RD	FLINT	
LF94295	12/2/2015	Lead	2	Copper	0	RD	FLINT	48507
LG01543	1/21/2016	Lead	3	Copper	0	RD	FLINT	48507
LG00623	1/19/2016	Lead	2	Copper	0	RD	FLINT	48507
LG04238	1/26/2016	Lead	2	Copper	0	RD	FLINT	48507
LG08480	2/3/2016	Lead	2	Copper	0	RD	FLINT	48507
LG03677	1/25/2016	Lead	0	Copper	0	RD	FLINT	48507
LG08338	2/3/2016	Lead	1	Copper	0	RD	FLINT	48507
LG05554	1/28/2016	Lead	3	Copper	0	RD	FLINT	48507
LG01200	1/21/2016	Lead	2	Copper	0	RD	FLINT	48507
LG06315	1/30/2016	Lead	0	Copper	60	RD	FLINT	48507
LG04397	1/26/2016	Lead	1	Copper	50	RD	FLINT	48505
LG08592	2/3/2016	Lead	2	Copper	0	RD	FLINT	48507
LG03105	1/24/2016	Lead	0	Copper	0		FLINT	48507
LG04919	1/27/2016	Lead	0	Copper	0		FLINT	48507
LG04512	1/26/2016	Lead	[redacted]	Copper	180		FLINT	48507
LG03480	1/25/2016	Lead	6	Copper	80		FLINT	48507
LG04521	1/26/2016	Lead	4	Copper	200		FLINT	48507
LG08609	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08607	2/3/2016	Lead	[redacted]	Copper	100		FLINT	48507
LG03769	1/25/2016	Lead	[redacted]	Copper	0		FLINT	48505
LG01182	1/21/2016	Lead	1	Copper	0		FLINT	48505
LG02419	1/22/2016	Lead	2	Copper	290		FLINT	
LG07783	2/2/2016	Lead	15	Copper	0		FLINT	48505
LG09961	2/5/2016	Lead	0	Copper	0		FLINT	48504
LG09297	2/4/2016	Lead	0	Copper	60	VE	FLINT	48503
LG01571	1/21/2016	Lead	0	Copper	0	VE	FLINT	48503
LG06226	1/29/2016	Lead	0	Copper	170	VE	FLINT	48503
LG06624	1/31/2016	Lead	5	Copper	0		FLINT	48507
LG01299	1/21/2016	Lead	0	Copper	90		FLINT	48505
LG09317	2/4/2016	Lead	12	Copper	60		FLINT	48505
LG09071	2/4/2016	Lead	0	Copper	0		FLINT	48505
LG02133	1/21/2016	Lead	7	Copper	0		FLINT	48505
LF86508	10/6/2015	Lead	4	Copper	90		FLINT	48505
LG06643	1/31/2016	Lead	0	Copper	0		FLINT	48507
LG09690	2/5/2016	Lead	2	Copper	0		FLINT	48507
LG02751	1/23/2016	Lead	0	Copper	0		FLINT	48505
LG08579	2/3/2016	Lead	0	Copper	60		FLINT	
LG02183	1/21/2016	Lead	[redacted]	Copper	370		FLINT	48505
LG05280	1/27/2016	Lead	0	Copper	0		FLINT	48505
LG03129	1/24/2016	Lead	1	Copper	100		FLINT	48505
LG06273	1/30/2016	Lead	1	Copper	110		FLINT	48505
LG05184	1/27/2016	Lead	0	Copper	0		FLINT	48505
LG06012	1/29/2016	Lead	1	Copper	210		FLINT	48505
LG10597	2/7/2016	Lead	1	Copper	60		FLINT	48504
LG08382	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG06017	1/29/2016	Lead	1	Copper	80		FLINT	48505
LG10121	2/6/2016	Lead	2	Copper	180		FLINT	
LG04595	1/26/2016	Lead	0	Copper	50		FLINT	48505
LG09162	2/4/2016	Lead	0	Copper	70		FLINT	48505
LG01772	1/21/2016	Lead	0	Copper	0		FLINT	48505
LG06449	1/30/2016	Lead	[redacted]	Copper	760		FLINT	48505
LG10135	2/6/2016	Lead	2	Copper	60		FLINT	48505
LG02354	1/22/2016	Lead	0	Copper	0		FLINT	48503
LG04466	1/26/2016	Lead	0	Copper	160		FLINT	48503
LG06993	2/1/2016	Lead	[redacted]	Copper	610		FLINT	48503
LG07458	2/2/2016	Lead	[redacted]	Copper	190		FLINT	48502

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG02727	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG07806	2/2/2016	Lead	1	Copper	200			FLINT	48503
LG03064	1/24/2016	Lead	0	Copper	130			FLINT	48503
LG00933	1/20/2016	Lead	[redacted]	Copper	130			FLINT	48503
LG09781	2/5/2016	Lead	4	Copper	130			FLINT	48503
LG04894	1/27/2016	Lead	0	Copper	50			FLINT	48503
LG07730	2/2/2016	Lead	[redacted]	Copper	200			FLINT	48503
LG05750	1/28/2016	Lead	0	Copper	170			FLINT	48503
LG06321	1/30/2016	Lead	3	Copper	80			FLINT	48532
LF95925	12/10/2015	Lead	0	Copper	0			FLINT	48532
LG08542	2/3/2016	Lead	13	Copper	280			FLINT	48532
LG09179	2/4/2016	Lead	[redacted]	Copper	350			FLINT	48532
LG04189	1/26/2016	Lead	0	Copper	140			FLINT	48532
LF88951	10/26/2015	Lead	4	Copper	70		L	FLINT	48503
LF88954	10/26/2015	Lead	[redacted]	Copper	0			FLINT	48503
LF88965	10/26/2015	Lead	1	Copper	50			FLINT	48503
LG05600	1/28/2016	Lead	0	Copper	0		PT 51	FLINT	48503
LG09172	2/4/2016	Lead	0	Copper	70		PT A	FLINT	48532
LF85330	9/29/2015	Lead	0	Copper	0		OWERS CATHOLIC SCH	FLINT	48503
LG09397	2/4/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG02750	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG01510	1/21/2016	Lead	0	Copper	340		H	FLINT	48504
LG07075	2/1/2016	Lead	4	Copper	0		H	FLINT	48504
LG06124	1/29/2016	Lead	7	Copper	60		H	FLINT	48504
LG02983	1/24/2016	Lead	2	Copper	50		H	FLINT	48504
LG07900	2/2/2016	Lead	5	Copper	0		H ST	FLINT	48505
LF91282	11/9/2015	Lead	1	Copper	80		H ST	FLINT	48505
LG05972	1/29/2016	Lead	[redacted]	Copper	0		H ST	FLINT	
LG06202	1/29/2016	Lead	0	Copper	0		H ST	FLINT	
LG02364	1/22/2016	Lead	6	Copper	70			FLINT	48505
LG04606	1/26/2016	Lead	3	Copper	90			FLINT	48505
LG07544	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG10147	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG01978	1/21/2016	Lead	0	Copper	70		EET	FLINT	48504
LG02125	1/21/2016	Lead	[redacted]	Copper	940		EET	FLINT	48504
LG02196	1/21/2016	Lead	0	Copper	0			FLINT	
LG01521	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG05014	1/27/2016	Lead	6	Copper	90			FLINT	48505
LG03071	1/24/2016	Lead	0	Copper	70			FLINT	48505
LG07478	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG05536	1/28/2016	Lead	3	Copper	300		E	FLINT	48505
LG03678	1/25/2016	Lead	[redacted]	Copper	0		VE	FLINT	48503
LF87934	10/16/2015	Lead	2	Copper	0		AVE	FLINT	48503
LG03104	1/24/2016	Lead	0	Copper	300		AVE	FLINT	48503
LF87940	10/16/2015	Lead	[redacted]	Copper	60		AVE	FLINT	48503
LG03514	1/25/2016	Lead	5	Copper	120		AVE	FLINT	48503
LG01904	1/21/2016	Lead	2	Copper	100		AVE	FLINT	48503
LG05696	1/28/2016	Lead	4	Copper	0			FLINT	48504
LG02769	1/23/2016	Lead	2	Copper	60			FLINT	48505
LG04570	1/26/2016	Lead	2	Copper	0			FLINT	48505
LF87401	10/13/2015	Lead	10	Copper	0		E	FLINT	48505
LF87429	10/13/2015	Lead	13	Copper	0		E	FLINT	48505
LF99161	1/7/2016	Lead	5	Copper	0		E	FLINT	
LF99162	1/7/2016	Lead	6	Copper	0		E	FLINT	
LG08512	2/3/2016	Lead	0	Copper	0		VE	FLINT	48503
LG01502	1/21/2016	Lead	4	Copper	80			FLINT	48503
LG04373	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG01827	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG07743	2/2/2016	Lead	3	Copper	0		LVD	FLINT	48505
LG06878	2/1/2016	Lead	2	Copper	230		LVD	FLINT	48505
LG02907	1/23/2016	Lead	0	Copper	120		LVD	FLINT	48505
LG01591	1/21/2016	Lead	0	Copper	0		R	FLINT	48505
LF95932	12/10/2015	Lead	0	Copper	0			FLINT	***
LG07410	2/2/2016	Lead	0	Copper	240			FLINT	48505
LG07746	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07014	2/1/2016	Lead	2	Copper	0			FLINT	48505
LG04135	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG01327	1/21/2016	Lead	0	Copper	190			FLINT	48505
LG07884	2/2/2016	Lead	0	Copper	60			FLINT	48505
LG03733	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG09733	2/5/2016	Lead	2	Copper	120		E	FLINT	48505
LG04080	1/26/2016	Lead	0	Copper	100		E	FLINT	48507-1352
LG06460	1/30/2016	Lead	0	Copper	80		E	FLINT	48505
LG04502	1/26/2016	Lead	1	Copper	0			FLINT	48505
LF86506	10/6/2015	Lead	2	Copper	0			FLINT	48504
LG06832	2/1/2016	Lead	0	Copper	0			FLINT	48504
LF99891	1/13/2016	Lead	3	Copper	0			FLINT	48504
LG00913	1/20/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG00924	1/20/2016	Lead	8	Copper	0			FLINT	48504
LG02917	1/23/2016	Lead	7	Copper	50			FLINT	48504
LG08441	2/3/2016	Lead	15	Copper	0			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG08262	2/3/2016	Lead	14	Copper	0		VE	FLINT	48503
LG07905	2/2/2016	Lead	0	Copper	90		VE	FLINT	48503
LF99908	1/15/2016	Lead	4	Copper	0		VE	FLINT	48504
LG07032	2/1/2016	Lead	[redacted]	Copper	580		VE	FLINT	48504
LG03512	1/25/2016	Lead	8	Copper	110		VE	FLINT	48504
LG08799	2/3/2016	Lead	6	Copper	0		VE	FLINT	48503
LG08806	2/3/2016	Lead	[redacted]	Copper	0		VE	FLINT	48503
LG08807	2/3/2016	Lead	[redacted]	Copper	0		VE	FLINT	48503
LG07751	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG04365	1/26/2016	Lead	0	Copper	50			FLINT	48507
LF92724	11/18/2015	Lead	0	Copper	0		D	FLINT	48507
LG04501	1/26/2016	Lead	0	Copper	60		D	FLINT	48507
LG10168	2/6/2016	Lead	0	Copper	0	G	D	FLINT	48507
LG04390	1/26/2016	Lead	0	Copper	0		OAD	FLINT	48507
LG02535	1/22/2016	Lead	0	Copper	0		E	FLINT	48505
LG05912	1/29/2016	Lead	4	Copper	0		E	FLINT	48504
LG06010	1/29/2016	Lead	0	Copper	0		E	FLINT	48504
LG07678	2/2/2016	Lead	2	Copper	60		E	FLINT	48504
LG09286	2/4/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG04819	1/27/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG07887	2/2/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG06488	1/31/2016	Lead	2	Copper	60			FLINT	48505
LF99913	1/15/2016	Lead	0	Copper	0				48505
LG03050	1/24/2016	Lead	0	Copper	60			FLINT	48505
LG06419	1/30/2016	Lead	2	Copper	0			FLINT	48505
LG09208	2/4/2016	Lead	2	Copper	0			FLINT	48505
LG06041	1/29/2016	Lead	3	Copper	90			FLINT	48505
LG04085	1/26/2016	Lead	3	Copper	100			FLINT	
LG01770	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01996	1/21/2016	Lead	0	Copper	130			FLINT	48505
LG01328	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG08501	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG02710	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG01909	1/21/2016	Lead	0	Copper	0			FLINT	
LG06958	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG10207	2/6/2016	Lead	0	Copper	160			FLINT	48504
LG01178	1/21/2016	Lead	0	Copper	60			FLINT	48504
LG08593	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG07788	2/2/2016	Lead	0	Copper	0			FLINT	
LG06476	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG04026	1/26/2016	Lead	0	Copper	0		/E	FLINT	48505
LG02667	1/23/2016	Lead	4	Copper	0		/E	FLINT	48504
LG07870	2/2/2016	Lead	7	Copper	90		/E	FLINT	48504
LG07872	2/2/2016	Lead	[redacted]	Copper	140		/E	FLINT	48504
LG10468	2/7/2016	Lead	1	Copper	70		/E	FLINT	48504
LG06185	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG02072	1/21/2016	Lead	2	Copper	50		ST	FLINT	
LG01691	1/21/2016	Lead	0	Copper	0		ST	FLINT	48505
LG02753	1/23/2016	Lead	0	Copper	0		ST	FLINT	48505
LG04203	1/26/2016	Lead	4	Copper	0		ST	FLINT	48505
LG06840	2/1/2016	Lead	0	Copper	0		ST	FLINT	48505
LG01450	1/21/2016	Lead	6	Copper	80			FLINT	48504
LG06052	1/29/2016	Lead	0	Copper	90			FLINT	48505
LG07737	2/2/2016	Lead	2	Copper	70			FLINT	48505
LG07581	2/2/2016	Lead	2	Copper	200			FLINT	48505
LG06192	1/29/2016	Lead	[redacted]	Copper	230		T	FLINT	48532
LG06908	2/1/2016	Lead	10	Copper	270		TREET	FLINT	48532
LG09943	2/5/2016	Lead	9	Copper	60			FLINT	48502
LG09969	2/5/2016	Lead	0	Copper	0			FLINT	48502
LF87019	10/8/2015	Lead	5	Copper	0			FLINT	
LG06913	2/1/2016	Lead	0	Copper	100		T	FLINT	48532
LG02458	1/22/2016	Lead	3	Copper	100		T	FLINT	48503
LG02124	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG09242	2/4/2016	Lead	2	Copper	60		AVE	FLINT	48503
LG04184	1/26/2016	Lead	14	Copper	220		AVE	FLINT	48503
LG05550	1/28/2016	Lead	0	Copper	0		D	FLINT	48503
LG03163	1/24/2016	Lead	6	Copper	0		D	FLINT	48503
LG01749	1/21/2016	Lead	0	Copper	0		D	FLINT	48503
LG08748	2/3/2016	Lead	2	Copper	0		D	FLINT	48503
LG04296	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG08414	2/3/2016	Lead	0	Copper	0		/E	FLINT	48505
LG01922	1/21/2016	Lead	0	Copper	0		/E	FLINT	48505
LG00875	1/20/2016	Lead	0	Copper	0		/E	FLINT	48505
LG09964	2/5/2016	Lead	0	Copper	0		/E	FLINT	48505
LG00953	1/20/2016	Lead	10	Copper	0		/E	FLINT	48505
LG07680	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG02748	1/23/2016	Lead	0	Copper	70		/E	FLINT	48505
LG02330	1/22/2016	Lead	0	Copper	0		/E	FLINT	48504
LG00891	1/20/2016	Lead	0	Copper	0		/E	FLINT	48504
LG04845	1/27/2016	Lead	0	Copper	0		/E	FLINT	48504
LG08769	2/3/2016	Lead	0	Copper	0		/E	FLINT	48504
LG03126	1/24/2016	Lead	0	Copper	150		E	FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG00912	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG01989	1/21/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48505
LG08465	2/3/2016	Lead	2	Copper	50		VE	FLINT	48505
LG05496	1/28/2016	Lead	0	Copper	0		VE	FLINT	48505
LG02108	1/21/2016	Lead	0	Copper	0		VENUE	FLINT	48505
LG02752	1/23/2016	Lead	2	Copper	0		AVE	FLINT	48505
LG09913	2/5/2016	Lead	15	Copper	210		ST	FLINT	48504
LG09939	2/5/2016	Lead	1	Copper	0		ST	FLINT	48504
LG06843	2/1/2016	Lead	0	Copper	0			FLINT	48505
LG02950	1/23/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG04853	1/27/2016	Lead	[redacted]	Copper	230			FLINT	
LG01489	1/21/2016	Lead	0	Copper	0		ST	FLINT	48505
LG10540	2/7/2016	Lead	2	Copper	0		ST	FLINT	
LF86518	10/6/2015	Lead	3	Copper	60		ST	FLINT	48504
LG05054	1/27/2016	Lead	0	Copper	0		ST	FLINT	48504
LG01325	1/21/2016	Lead	3	Copper	60		ST	FLINT	48504
LG05172	1/27/2016	Lead	0	Copper	0		ST	FLINT	48504
LG01685	1/21/2016	Lead	1	Copper	0		ST	FLINT	48504
LG08516	2/3/2016	Lead	5	Copper	60		ST	FLINT	48504
LG08648	2/3/2016	Lead	1	Copper	0		ST	FLINT	48504
LG08649	2/3/2016	Lead	1	Copper	0		ST	FLINT	48504
LG08540	2/3/2016	Lead	4	Copper	110		ST	FLINT	
LG07042	2/1/2016	Lead	11	Copper	70		ST	FLINT	48504
LG01210	1/21/2016	Lead	5	Copper	0			FLINT	48504
LG08566	2/3/2016	Lead	2	Copper	0			FLINT	48504
LG09996	2/5/2016	Lead	6	Copper	100			FLINT	48505
LG09491	2/4/2016	Lead	0	Copper	60			FLINT	48505
LG07595	2/2/2016	Lead	0	Copper	200		RD	MT MORRIS	48458
LG04406	1/26/2016	Lead	0	Copper	100			FLINT	48505
LG09823	2/5/2016	Lead	1	Copper	0			FLINT	48504
LG05275	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG10527	2/7/2016	Lead	1	Copper	0			FLINT	
LG06857	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG09466	2/4/2016	Lead	0	Copper	0			FLINT	
LF87028	10/8/2015	Lead	1	Copper	630		1	FLINT	48503
LF87031	10/8/2015	Lead	0	Copper	0		10	FLINT	48503
LF87030	10/8/2015	Lead	0	Copper	0		11	FLINT	48503
LF87029	10/8/2015	Lead	0	Copper	0		12	FLINT	48503
LF87027	10/8/2015	Lead	2	Copper	720		2	FLINT	48503
LF87026	10/8/2015	Lead	2	Copper	540		3	FLINT	48503
LF87025	10/8/2015	Lead	0	Copper	500		4	FLINT	48503
LF87024	10/8/2015	Lead	0	Copper	0		5	FLINT	48503
LF87023	10/8/2015	Lead	0	Copper	0		6	FLINT	48503
LF87022	10/8/2015	Lead	0	Copper	0		7	FLINT	48503
LF87033	10/8/2015	Lead	0	Copper	0		8	FLINT	48503
LF87032	10/8/2015	Lead	0	Copper	0		9	FLINT	48503
LG09386	2/4/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG08350	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG06786	2/1/2016	Lead	0	Copper	0		VE		48505
LG04954	1/27/2016	Lead	0	Copper	0		VE	FLINT	48505
LG06265	1/30/2016	Lead	0	Copper	0		VE	FLINT	48505
LG04213	1/26/2016	Lead	0	Copper	0		VE	FLINT	48504
LG06162	1/29/2016	Lead	0	Copper	260		V	FLINT	48505
LG06491	1/31/2016	Lead	3	Copper	0		VE	FLINT	48505
LG02470	1/22/2016	Lead	0	Copper	0		VE	FLINT	48505
LG08525	2/3/2016	Lead	0	Copper	0		VE	FLINT	48504
LG10518	2/7/2016	Lead	0	Copper	60		VE	FLINT	48504
LG01967	1/21/2016	Lead	0	Copper	0		VE	FLINT	
LG05034	1/27/2016	Lead	0	Copper	0		VE	FLINT	48504
LG04589	1/26/2016	Lead	0	Copper	0		VE	FLINT	48504
LG10549	2/7/2016	Lead	0	Copper	60			FLINT	48503
LG05517	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG04752	1/27/2016	Lead	2	Copper	0			FLINT	48504
LG06613	1/31/2016	Lead	3	Copper	0		T	FLINT	48503
LG07886	2/2/2016	Lead	0	Copper	0		T	FLINT	48503
LG07913	2/2/2016	Lead	1	Copper	50		T	FLINT	48503
LG02154	1/21/2016	Lead	[redacted]	Copper	350		T	FLINT	48503
LG02439	1/22/2016	Lead	6	Copper	60		T	FLINT	48503
LG09918	2/5/2016	Lead	[redacted]	Copper	0		T	FLINT	48504
LG02830	1/23/2016	Lead	1	Copper	0		TREET	FLINT	48503
LG10169	2/6/2016	Lead	1	Copper	0		IA	FLINT	48505
LG04976	1/27/2016	Lead	0	Copper	0		IA BLVD	FLINT	48505
LG04351	1/26/2016	Lead	0	Copper	0		IA BLVD	FLINT	48505
LG01457	1/21/2016	Lead	0	Copper	0		IA BLVD	FLINT	
LG07520	2/2/2016	Lead	0	Copper	130			FLINT	48504
LG03702	1/25/2016	Lead	0	Copper	70			FLINT	48505
LF88296	10/20/2015	Lead	0	Copper	130			FLINT	
LG10598	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG02006	1/21/2016	Lead	5	Copper	270			FLINT	48505
LG05253	1/27/2016	Lead	0	Copper	60			FLINT	48505
LG05734	1/28/2016	Lead	0	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG02022	1/21/2016	Lead	0	Copper	0		PD	FLINT	48505
LG07941	2/2/2016	Lead	0	Copper	170			FLINT	48504
LG08589	2/3/2016	Lead	0	Copper	70			FLINT	
LG07701	2/2/2016	Lead	3	Copper	0			FLINT	48505
LG00531	1/19/2016	Lead	4	Copper	0			FLINT	48505
LG05538	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG06047	1/29/2016	Lead	2	Copper	140			FLINT	48505
LG02031	1/21/2016	Lead	0	Copper	0			FLINT	48505
LF85800	10/1/2015	Lead	1	Copper	0			FLINT	48505
LG00574	1/19/2016	Lead	2	Copper	0			FLINT	48505
LG02469	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG06019	1/29/2016	Lead	2	Copper	0			FLINT	48505
LG06013	1/29/2016	Lead	1	Copper	0			FLINT	48505
LG03504	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG05939	1/29/2016	Lead	0	Copper	0		E	FLINT	48505
LG05062	1/27/2016	Lead	0	Copper	0		E	FLINT	48505
LG05070	1/27/2016	Lead	0	Copper	0		E	FLINT	48505
LG07769	2/2/2016	Lead	0	Copper	0		E	FLINT	48505
LG07954	2/2/2016	Lead	0	Copper	0		E	FLINT	48505
LG06773	2/1/2016	Lead	2	Copper	0		E	FLINT	48505
LG10602	2/7/2016	Lead	0	Copper	0		E	FLINT	48505
LG03785	1/25/2016	Lead	2	Copper	80		CLE	FLINT	48505
LG07536	2/2/2016	Lead	2	Copper	90			FLINT	48505
LG05033	1/27/2016	Lead	1	Copper	0			FLINT	48505
LG05244	1/27/2016	Lead	0	Copper	70			FLINT	48504
LG10131	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG02032	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG05576	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG09206	2/4/2016	Lead	5	Copper	0			FLINT	48504
LG09227	2/4/2016	Lead	2	Copper	150			FLINT	48504
LG05455	1/28/2016	Lead	11	Copper	360			FLINT	48504
LG02988	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG02498	1/22/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG03042	1/24/2016	Lead	7	Copper	0		AVE	FLINT	48505
LG05956	1/29/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG01356	1/21/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG10196	2/6/2016	Lead	[redacted]	Copper	660		AVE	FLINT	48505
LG06473	1/31/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG08792	2/3/2016	Lead	0	Copper	0		AVE	FLINT	48504
LG04117	1/26/2016	Lead	0	Copper	50		AVE	FLINT	48504
LG08555	2/3/2016	Lead	0	Copper	0		AVE	FLINT	48504
LG07882	2/2/2016	Lead	0	Copper	0		AVE	FLINT	48504
LG10009	2/5/2016	Lead	0	Copper	0		AVE	FLINT	48504
LG03734	1/25/2016	Lead	0	Copper	50			FLINT	48505
LG00852	1/20/2016	Lead	0	Copper	60			FLINT	48505
LF99159	1/7/2016	Lead	0	Copper	0			FLINT	48505
LG07413	2/2/2016	Lead	2	Copper	0			FLINT	48505
LG07849	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG09979	2/5/2016	Lead	0	Copper	0		ER AVE	FLINT	48507
LG02013	1/21/2016	Lead	3	Copper	280		E	FLINT	
LG01451	1/21/2016	Lead	0	Copper	0	1		FLINT	48502
LG03611	1/25/2016	Lead	0	Copper	110			FLINT	48502
LF87059	10/8/2015	Lead	2	Copper	0			FLINT	48503
LG05890	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05891	1/29/2016	Lead	1	Copper	70			FLINT	48503
LG05892	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG08688	2/3/2016	Lead	5	Copper	0			FLINT	48503
LG03125	1/24/2016	Lead	3	Copper	0		APT 108	FLINT	48502
LG08734	2/3/2016	Lead	0	Copper	280		EET	FLINT	48502
LG04375	1/26/2016	Lead	[redacted]	Copper	300			FLINT	48504
LG05282	1/27/2016	Lead	0	Copper	0		VE	FLINT	48504
LG09734	2/5/2016	Lead	0	Copper	0		VE	FLINT	48504
LG00475	1/19/2016	Lead	[redacted]	Copper	70			MT MORRIS TWP	48458
LF85940	10/2/2015	Lead	7	Copper	200			FLINT	48505
LG06079	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG07495	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG02764	1/23/2016	Lead	3	Copper	0		/E	FLINT	48505
LF91284	11/9/2015	Lead	1	Copper	0		/E	FLINT	48505
LF91287	11/9/2015	Lead	3	Copper	0		/E	FLINT	48505
LG03660	1/25/2016	Lead	0	Copper	0		/E	FLINT	48505
LF99980	1/15/2016	Lead	0	Copper	0		/E	FLINT	
LG01739	1/21/2016	Lead	0	Copper	0		/E	FLINT	48505
LG01217	1/21/2016	Lead	0	Copper	0		/E	FLINT	48505
LG00934	1/20/2016	Lead	0	Copper	0		/E	FLINT	48505
LG08631	2/3/2016	Lead	3	Copper	0		/E	FLINT	
LG05058	1/27/2016	Lead	1	Copper	0		/E	FLINT	48504
LG07926	2/2/2016	Lead	0	Copper	0		/E	FLINT	48504
LG09320	2/4/2016	Lead	0	Copper	0		/E	FLINT	
LG09311	2/4/2016	Lead	0	Copper	0		/E	FLINT	48504
LG06500	1/31/2016	Lead	[redacted]	Copper	80		/E	FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG00842	1/20/2016	Lead	6	Copper	0		VE	FLINT	48504
LG10188	2/6/2016	Lead	0	Copper	0		TENUE	FLINT	48504
LG01693	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG00930	1/20/2016	Lead	2	Copper	0			FLINT	48505
LG01697	1/21/2016	Lead	3	Copper	50			FLINT	48505
LG05925	1/29/2016	Lead	1	Copper	0			FLINT	48505
LG06045	1/29/2016	Lead	5	Copper	0			FLINT	48505
LG06048	1/29/2016	Lead	7	Copper	170			FLINT	48505
LG05303	1/27/2016	Lead	[redacted]	Copper	180			FLINT	48505
LG02192	1/21/2016	Lead	3	Copper	0			FLINT	48505
LG06007	1/29/2016	Lead	1	Copper	0			FLINT	
LG07803	2/2/2016	Lead	0	Copper	0			FLINT	48502
LG09717	2/5/2016	Lead	0	Copper	0		AVE	FLINT	48503
LG10117	2/6/2016	Lead	0	Copper	0		VER AVE	FLINT	
LG03452	1/25/2016	Lead	1	Copper	0		E	FLINT	48506
LG04144	1/26/2016	Lead	2	Copper	140			FLINT	48503
LG06850	2/1/2016	Lead	0	Copper	90		102	FLINT	48503
LG01438	1/21/2016	Lead	0	Copper	180		PT 105	FLINT	48503
LG06863	2/1/2016	Lead	0	Copper	0		RE AVE	FLINT	48507
LG06848	2/1/2016	Lead	0	Copper	0		RE AVE	FLINT	48507
LG06503	1/31/2016	Lead	0	Copper	0			FLINT	
LG05245	1/27/2016	Lead	14	Copper	0			FLINT	48503
LG07969	2/2/2016	Lead	0	Copper	0		ST	FLINT	48503
LG08513	2/3/2016	Lead	2	Copper	0		ST	FLINT	48503
LF99169	1/7/2016	Lead	9	Copper	80		ST	FLINT	
LG05512	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG04554	1/26/2016	Lead	[redacted]	Copper	80			FLINT	48503
LG08427	2/3/2016	Lead	6	Copper	0			FLINT	48503
LG01677	1/21/2016	Lead	0	Copper	0			FLINT	
LG01399	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG09244	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09351	2/4/2016	Lead	15	Copper	60			FLINT	
LG06580	1/31/2016	Lead	1	Copper	0			FLINT	48505
LG08684	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG09944	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG04582	1/26/2016	Lead	0	Copper	0		UE	FLINT	48505
LG02962	1/23/2016	Lead	0	Copper	220			FLINT	48507
LG04348	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG01304	1/21/2016	Lead	0	Copper	60			FLINT	48503
LG03704	1/25/2016	Lead	0	Copper	0		RD APT #1	FLINT	48507
LG02584	1/22/2016	Lead	5	Copper	60			FLINT	48505
LG02610	1/22/2016	Lead	2	Copper	0			FLINT	48505
LG09984	2/5/2016	Lead	2	Copper	100			FLINT	48505
LG00958	1/20/2016	Lead	0	Copper	0		R RD	FLINT	
LG02677	1/23/2016	Lead	3	Copper	0		R RD APT 119A	FLINT	48505
LG01302	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG03055	1/24/2016	Lead	0	Copper	250			FLINT	48503
LG03056	1/24/2016	Lead	0	Copper	310			FLINT	48503
LG03057	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03625	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03583	1/25/2016	Lead	13	Copper	0			FLINT	48532
LG03667	1/25/2016	Lead	2	Copper	0		TH	FLINT	48504
LG03627	1/25/2016	Lead	0	Copper	70			FLINT	48505
LG02692	1/23/2016	Lead	0	Copper	260			FLINT	48505
LG09878	2/5/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG03570	1/25/2016	Lead	0	Copper	700		T BLVD	FLINT	48505
LG02641	1/22/2016	Lead	[redacted]	Copper	670			FLINT	48505
LG03665	1/25/2016	Lead	2	Copper	0			FLINT	
LG01394	1/21/2016	Lead	2	Copper	60		OK AVE	FLINT	48505
LG02637	1/22/2016	Lead	0	Copper	50			FLINT	48505
LG01379	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG04383	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG03576	1/25/2016	Lead	9	Copper	0		ST	FLINT	48503
LG01384	1/21/2016	Lead	0	Copper	0		ST	FLINT	48532
LG01397	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG01382	1/21/2016	Lead	0	Copper	0		AN ST	FLINT	48504
LG03569	1/25/2016	Lead	1	Copper	0		N ST	FLINT	48504
LG03574	1/25/2016	Lead	1	Copper	70			FLINT	48504
LG03060	1/24/2016	Lead	5	Copper	0		ST	FLINT	48504
LG04356	1/26/2016	Lead	[redacted]	Copper	0		HIA BLVD	FLINT	48505
LG01295	1/21/2016	Lead	2	Copper	0		HIA BLVD	FLINT	48505
LG02702	1/23/2016	Lead	0	Copper	110		D	FLINT	48505
LG04322	1/26/2016	Lead	0	Copper	0		VE	FLINT	48505
LG03613	1/25/2016	Lead	0	Copper	220		T	FLINT	48502
LG03612	1/25/2016	Lead	0	Copper	210		T	FLINT	48502
LG02979	1/24/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG02970	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG04292	1/26/2016	Lead	[redacted]	Copper	980		ST	FLINT	48503
LG02594	1/22/2016	Lead	[redacted]	Copper	140		E	FLINT	48503
LG01291	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG10495	2/7/2016	Lead	1	Copper	100			FLINT	48504
LF95922	12/10/2015	Lead	4	Copper	80			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG01391	1/21/2016	Lead	0	Copper	0			FLINT	
LG07076	2/1/2016	Lead	0	Copper	100			FLINT	48504
LG06537	1/31/2016	Lead	10	Copper	140			FLINT	48504
LG08474	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG01288	1/21/2016	Lead	0	Copper	70		ET	FLINT	48504
LG05285	1/27/2016	Lead	0	Copper	100			FLINT	48507
LG04341	1/26/2016	Lead	0	Copper	0			FLINT	48507
LF85959	10/2/2015	Lead	1	Copper	0			FLINT	48507
LG08431	2/3/2016	Lead	[redacted]	Copper	60			FLINT	48507
LG02180	1/21/2016	Lead	6	Copper	0			FLINT	48507
LG07069	2/1/2016	Lead	2	Copper	100			FLINT	48507
LG10229	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG01789	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG06122	1/29/2016	Lead	0	Copper	90			FLINT	48507
LG09703	2/5/2016	Lead	1	Copper	0			FLINT	48507
LG04489	1/26/2016	Lead	13	Copper	130			FLINT	48507
LG01215	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG01430	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG04326	1/26/2016	Lead	2	Copper	0			FLINT	48507
LG06024	1/29/2016	Lead	1	Copper	90			FLINT	48507
LG05302	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG00474	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG06893	2/1/2016	Lead	2	Copper	90			FLINT	48507
LG06206	1/29/2016	Lead	2	Copper	60			FLINT	48507
LG02831	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG01746	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG04551	1/26/2016	Lead	3	Copper	90			FLINT	48507
LG01709	1/21/2016	Lead	0	Copper	200			FLINT	48507
LG04199	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG01954	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG08565	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG04467	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG08735	2/3/2016	Lead	9	Copper	120			FLINT	48507
LG08494	2/3/2016	Lead	0	Copper	0			FLINT	48507
LF85948	10/2/2015	Lead	[redacted]	Copper	0			FLINT	48503
LG05563	1/28/2016	Lead	1	Copper	0			FLINT	48503
LG03679	1/25/2016	Lead	2	Copper	330			FLINT	48507
LF85856	10/1/2015	Lead	5	Copper	50			FLINT	48503
LG07522	2/2/2016	Lead	2	Copper	50		1	FLINT	48503
LG07526	2/2/2016	Lead	0	Copper	0		1	FLINT	48503
LG02214	1/21/2016	Lead	3	Copper	90			FLINT	48507
LG05598	1/28/2016	Lead	0	Copper	0		DR	FLINT	48507
LG02831	1/23/2016	Lead	6	Copper	130		DR	FLINT	48507
LG03669	1/25/2016	Lead	2	Copper	160		DRIVE	FLINT	48507
LG06008	1/29/2016	Lead	0	Copper	0		DRIVE	FLINT	48532
LG06946	2/1/2016	Lead	2	Copper	80		R	FLINT	48507
LG04021	1/26/2016	Lead	0	Copper	0		DR	FLINT	48532
LG07768	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG06753	2/1/2016	Lead	[redacted]	Copper	0			FLINT	
LG09959	2/5/2016	Lead	[redacted]	Copper	250			FLINT	
LG09075	2/4/2016	Lead	1	Copper	120			FLINT	48504
LG06761	2/1/2016	Lead	2	Copper	80			FLINT	
LF85606	9/30/2015	Lead	2	Copper	0			FLINT	48504
LG04146	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48504
LF99803	1/14/2016	Lead	0	Copper	100			FLINT	48504
LG10500	2/7/2016	Lead	1	Copper	0			FLINT	48504
LG10504	2/7/2016	Lead	1	Copper	200			FLINT	48504
LG09935	2/5/2016	Lead	0	Copper	0			FLINT	48532
LG06521	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG05769	1/28/2016	Lead	4	Copper	0			FLINT	48503
LG05094	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG00829	1/20/2016	Lead	2	Copper	300				48505
LG03796	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG05746	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG03700	1/25/2016	Lead	0	Copper	0		DR	FLINT	48504
LG05729	1/28/2016	Lead	0	Copper	0		DR	FLINT	48504
LG01183	1/21/2016	Lead	0	Copper	0		DR	FLINT	48504
LG05758	1/28/2016	Lead	0	Copper	0		DR	FLINT	48504
LF85941	10/2/2015	Lead	10	Copper	0			FLINT	48503
LG07612	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07677	2/2/2016	Lead	9	Copper	90			FLINT	48503
LG09923	2/5/2016	Lead	2	Copper	100			FLINT	48503
LG01928	1/21/2016	Lead	9	Copper	0		VE	FLINT	48503
LG09909	2/5/2016	Lead	[redacted]	Copper	280		VE	FLINT	
LG01635	1/21/2016	Lead	2	Copper	0		VE	FLINT	48505
LG01406	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG00564	1/19/2016	Lead	0	Copper	0			FLINT	48506
LF87035	10/8/2015	Lead	0	Copper	0			FLINT	48506
LG00964	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG02052	1/21/2016	Lead	3	Copper	150			FLINT	48503
LG04413	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG00911	1/20/2016	Lead	1	Copper	60			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LG02546	1/22/2016	Lead	3	Copper	0			FLINT	48503
LG04815	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG01637	1/21/2016	Lead	0	Copper	120			FLINT	48504
LG07608	2/2/2016	Lead	1	Copper	100			FLINT	48504
LG06944	2/1/2016	Lead	[redacted]	Copper	120			FLINT	48504
LF88287	10/20/2015	Lead	15	Copper	0			FLINT	48504
LG00895	1/20/2016	Lead	4	Copper	80			FLINT	48504
LG08691	2/3/2016	Lead	[redacted]	Copper	540			FLINT	48504
LG01638	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG04284	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG06412	1/30/2016	Lead	[redacted]	Copper	180			FLINT	48504
LG05149	1/27/2016	Lead	[redacted]	Copper	220			FLINT	48504
LG05241	1/27/2016	Lead	0	Copper	180			FLINT	48504
LF99572	1/12/2016	Lead	6	Copper	130			FLINT	48504
LG01616	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG06361	1/30/2016	Lead	5	Copper	80			FLINT	48504
LG06979	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG02609	1/22/2016	Lead	4	Copper	160		D BOX 4219	FLINT	48504
LG09957	2/5/2016	Lead	2	Copper	0		/ARD	FLINT	48503
LG06392	1/30/2016	Lead	0	Copper	0		/E	FLINT	48506
LG09343	2/4/2016	Lead	0	Copper	0		E	FLINT	48505
LG07079	2/1/2016	Lead	11	Copper	100			FLINT	48504
LF92723	11/18/2015	Lead	3	Copper	60			FLINT	48504
LG07821	2/2/2016	Lead	3	Copper	0			FLINT	48504
LG05057	1/27/2016	Lead	9	Copper	0			FLINT	48504
LG04345	1/26/2016	Lead	3	Copper	280			FLINT	48504
LF88955	10/26/2015	Lead	4	Copper	220		/E	FLINT	48503
LG10524	2/7/2016	Lead	0	Copper	0			BURTON	48529
LG07572	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG06509	1/31/2016	Lead	5	Copper	0			FLINT	48505
LG07493	2/2/2016	Lead	3	Copper	100			FLINT	48503
LG10542	2/7/2016	Lead	14	Copper	70			FLINT	
LG07690	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07911	2/2/2016	Lead	2	Copper	330			FLINT	48505
LG07912	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG01994	1/21/2016	Lead	0	Copper	80			FLINT	48505
LG09723	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG08605	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG07570	2/2/2016	Lead	5	Copper	160			FLINT	48505
LG03542	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG04858	1/27/2016	Lead	[redacted]	Copper	[redacted]		T	FLINT	48503
LG02459	1/22/2016	Lead	7	Copper	0		T	FLINT	
LG06275	1/30/2016	Lead	6	Copper	0		UTH STREET	FLINT	48504
LG05055	1/27/2016	Lead	3	Copper	120		ST	FLINT	
LG09845	2/5/2016	Lead	3	Copper	0		T	FLINT	48505
LG04358	1/26/2016	Lead	4	Copper	50		T	FLINT	48505
LG01706	1/21/2016	Lead	0	Copper	0		T	FLINT	48505
LG05258	1/27/2016	Lead	1	Copper	120		T	FLINT	48505
LG07077	2/1/2016	Lead	3	Copper	90		TREET	FLINT	48505
LG04955	1/27/2016	Lead	0	Copper	110			FLINT	48505
LG03134	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG00889	1/20/2016	Lead	2	Copper	0			FLINT	48505
LG01270	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01445	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG06015	1/29/2016	Lead	0	Copper	60			FLINT	48505
LG02743	1/23/2016	Lead	[redacted]	Copper	80			FLINT	48505
LG02017	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG05996	1/29/2016	Lead	3	Copper	160			FLINT	48504
LG01718	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG09663	2/5/2016	Lead	0	Copper	60			FLINT	48505
LG09670	2/5/2016	Lead	0	Copper	100			FLINT	48505
LG04813	1/27/2016	Lead	0	Copper	100			FLINT	48532
LG02756	1/23/2016	Lead	0	Copper	0		[redacted]	FLINT	48505
LG02932	1/23/2016	Lead	0	Copper	0		VENUE	FLINT	48507
LG01259	1/21/2016	Lead	11	Copper	240		SO ST	FLINT	
LG01792	1/21/2016	Lead	1	Copper	0		ST	FLINT	48504
LG04810	1/27/2016	Lead	0	Copper	0		VENUE	FLINT	48505
LG02600	1/22/2016	Lead	0	Copper	0		AY AVE	FLINT	48505
LG01755	1/21/2016	Lead	0	Copper	0		ON	FLINT	48503
LG03002	1/24/2016	Lead	0	Copper	0		ON ST	FLINT	48503
LG02105	1/21/2016	Lead	5	Copper	0		ON ST	FLINT	48503
LG01748	1/21/2016	Lead	0	Copper	170		ON ST	FLINT	48504
LG10464	2/7/2016	Lead	0	Copper	0		I RD	FLINT	48504
LG03783	1/25/2016	Lead	0	Copper	0		VE	FLINT	48505
LG09986	2/5/2016	Lead	1	Copper	100		VE	FLINT	48505
LG03788	1/25/2016	Lead	3	Copper	0		VE	FLINT	48505
LG02601	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG04549	1/26/2016	Lead	0	Copper	0		VE	FLINT	48505
LG09920	2/5/2016	Lead	0	Copper	0		TREET	FLINT	48503
LG06484	1/31/2016	Lead	0	Copper	0		T AVE	FLINT	48505
LG05686	1/28/2016	Lead	2	Copper	320		T AVE	FLINT	48504
LG05688	1/28/2016	Lead	13	Copper	210		T AVE	FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05687	1/28/2016	Lead	9	Copper	220		AVE	FLINT	48504
LG04402	1/26/2016	Lead	0	Copper	0		ST	FLINT	48505
LG01296	1/21/2016	Lead	2	Copper	0		EE	FLINT	48503
LG02489	1/22/2016	Lead	0	Copper	0		EE	FLINT	48503
LG07934	2/2/2016	Lead	8	Copper	100		EE ST	FLINT	48503
LG01010	1/20/2016	Lead	0	Copper	0		E		
LG01230	1/21/2016	Lead	4	Copper	0		VE	FLINT	48503
LF94261	12/2/2015	Lead	5	Copper	0		VE	FLINT	48503
LG06119	1/29/2016	Lead	[redacted]	Copper	120		VE	FLINT	48503
LG08303	2/3/2016	Lead	5	Copper	60		VE	FLINT	48503
LG06531	1/31/2016	Lead	3	Copper	210		VE	FLINT	48503
LG09381	2/4/2016	Lead	[redacted]	Copper	150		VE	FLINT	48503
LG06751	2/1/2016	Lead	0	Copper	0		452	FLINT	48506
LG09359	2/4/2016	Lead	0	Copper	130			FLINT	48503
LG09482	2/4/2016	Lead	3	Copper	0			FLINT	48506
LG01886	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04530	1/26/2016	Lead	2	Copper	130			FLINT	48506
LG01513	1/21/2016	Lead	4	Copper	180			FLINT	48506
LG02188	1/21/2016	Lead	4	Copper	0			FLINT	48506
LG06141	1/29/2016	Lead	2	Copper	90			FLINT	48506
LG06489	1/31/2016	Lead	2	Copper	0			FLINT	48506
LG02732	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG09720	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG01694	1/21/2016	Lead	1	Copper	120			FLINT	48506
LG02141	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG08372	2/3/2016	Lead	1	Copper	0			FLINT	48506
LG01561	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04525	1/26/2016	Lead	6	Copper	0			FLINT	48506
LG10086	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG02963	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG10096	2/6/2016	Lead	2	Copper	0			FLINT	48506
LG01475	1/21/2016	Lead	0	Copper	120			FLINT	48506
LF99919	1/15/2016	Lead	0	Copper	0				
LG10579	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG01493	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG00950	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG06512	1/31/2016	Lead	2	Copper	0			FLINT	48506
LG03726	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG02504	1/22/2016	Lead	0	Copper	60			FLINT	48506
LG02423	1/22/2016	Lead	0	Copper	0			FLINT	
LG09139	2/4/2016	Lead	0	Copper	0			FLINT	48532
LG00874	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG02209	1/21/2016	Lead	[redacted]	Copper	1,150			FLINT	48503
LG05118	1/27/2016	Lead	1	Copper	110			FLINT	48503
LG08704	2/3/2016	Lead	4	Copper	150			FLINT	48503
LG08526	2/3/2016	Lead	3	Copper	50			FLINT	48503
LG01326	1/21/2016	Lead	4	Copper	200			FLINT	48503
LG00464	1/19/2016	Lead	8	Copper	90			FLINT	48503
LG03139	1/24/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG00839	1/20/2016	Lead	12	Copper	140			FLINT	48503
LG03776	1/25/2016	Lead	2	Copper	220		[redacted]	FLINT	48503
LG04072	1/26/2016	Lead	10	Copper	140		ARKWAY	FLINT	48503
LG01976	1/21/2016	Lead	1	Copper	190		ARKWAY	FLINT	48503
LG08402	2/3/2016	Lead	[redacted]	Copper	650		KWY	FLINT	48503
LG04218	1/26/2016	Lead	4	Copper	270		KWY	FLINT	48503
LG08420	2/3/2016	Lead	4	Copper	100		KWY	FLINT	48503
LG03598	1/25/2016	Lead	2	Copper	0		KWY	FLINT	48503
LG02939	1/23/2016	Lead	[redacted]	Copper	390		KWY	FLINT	48503
LG01402	1/21/2016	Lead	3	Copper	100		KWY	FLINT	
LG01929	1/21/2016	Lead	7	Copper	110		KWY	FLINT	48503
LG09931	2/5/2016	Lead	13	Copper	130		KWY	FLINT	48503
LG06781	2/1/2016	Lead	4	Copper	100		KWY	FLINT	48503
LG09152	2/4/2016	Lead	8	Copper	180		KWY	FLINT	
LG06923	2/1/2016	Lead	[redacted]	Copper	0		KWY	FLINT	48503
LG09780	2/5/2016	Lead	11	Copper	130		KWY	FLINT	48503
LG03458	1/25/2016	Lead	2	Copper	180		KWY	FLINT	48503
LG04371	1/26/2016	Lead	[redacted]	Copper	220		KWY	FLINT	48503
LG05105	1/27/2016	Lead	0	Copper	160		KWY	FLINT	48503
LG03619	1/25/2016	Lead	0	Copper	150		KWY	FLINT	48503
LG06855	2/1/2016	Lead	1	Copper	140		KWY	FLINT	48503
LG05632	1/28/2016	Lead	7	Copper	190		KWY	FLINT	48503
LG03562	1/25/2016	Lead	9	Copper	170		KWY	FLINT	48503
LG04174	1/26/2016	Lead	0	Copper	0		KWY	FLINT	48503
LF88279	10/20/2015	Lead	8	Copper	360		KY	FLINT	48503
LG00967	1/20/2016	Lead	0	Copper	70		KY	FLINT	
LF87416	10/13/2015	Lead	[redacted]	Copper	210		KY	FLINT	
LG06882	2/1/2016	Lead	13	Copper	380		KY	FLINT	48503
LG01569	1/21/2016	Lead	2	Copper	70		KWY	FLINT	48503
LF99158	1/7/2016	Lead	1	Copper	0			FLINT	
LG01301	1/21/2016	Lead	2	Copper	0			FLINT	
LG10251	2/6/2016	Lead	0	Copper	70		T	FLINT	48505
LG04496	1/26/2016	Lead	0	Copper	0		W DR	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LF91278	11/9/2015	Lead	0	Copper	0		OW DR	FLINT	48506
LG01850	1/21/2016	Lead	2	Copper	70		DR	FLINT	48503
LG07507	2/2/2016	Lead	0	Copper	80		DR	FLINT	48503
LG06078	1/29/2016	Lead	0	Copper	0		DRIVE	FLINT	48503
LG08416	2/3/2016	Lead	15	Copper	70			FLINT	48503
LG00482	1/19/2016	Lead	0	Copper	150			FLINT	48503
LG06790	2/1/2016	Lead	2	Copper	370			FLINT	48503
LG06869	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG09943	2/5/2016	Lead	0	Copper	0			FLINT	48532
LG10517	2/7/2016	Lead	0	Copper	0			FLINT	48532
LG09251	2/4/2016	Lead	2	Copper	0			FLINT	48532
LG06961	2/1/2016	Lead	0	Copper	60			FLINT	48532
LG04074	1/26/2016	Lead	14	Copper	120			FLINT	48532
LG03004	1/24/2016	Lead	0	Copper	0			FLINT	48532
LG09843	2/5/2016	Lead	2	Copper	70			FLINT	48532
LG06364	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG02805	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG04563	1/26/2016	Lead	0	Copper	60			FLINT	48506
LG09402	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG02388	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG05176	1/27/2016	Lead	3	Copper	0			FLINT	48505
LG10480	2/7/2016	Lead	13	Copper	100			FLINT	48506
LG04835	1/27/2016	Lead	[redacted]	Copper	60			FLINT	48506
LG08772	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG09315	2/4/2016	Lead	2	Copper	0			FLINT	48506
LF88306	10/20/2015	Lead	0	Copper	0			FLINT	48506
LG04849	1/27/2016	Lead	0	Copper	0			FLINT	48506
LF85937	10/2/2015	Lead	1	Copper	70			FLINT	48506
LG03578	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG08353	2/3/2016	Lead	0	Copper	70			FLINT	48506
LG01700	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG06154	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG01214	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG04329	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG03641	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG06742	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG07409	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07551	2/2/2016	Lead	0	Copper	130			FLINT	48506
LG03592	1/25/2016	Lead	0	Copper	150			FLINT	48560
LG08418	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG02975	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG05724	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG02159	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04318	1/26/2016	Lead	1	Copper	60			FLINT	48503
LG01760	1/21/2016	Lead	[redacted]	Copper	620		T	FLINT	48503
LG10073	2/6/2016	Lead	2	Copper	70		T	FLINT	48503
LG10165	2/6/2016	Lead	0	Copper	0		T	FLINT	48503
LG04770	1/27/2016	Lead	0	Copper	0		T	FLINT	48503
LG01759	1/21/2016	Lead	0	Copper	0		T	FLINT	48503
LG01319	1/21/2016	Lead	0	Copper	0		T	FLINT	48503
LG03658	1/25/2016	Lead	0	Copper	0		T	FLINT	48503
LG03811	1/25/2016	Lead	0	Copper	100		T	FLINT	48503
LG09718	2/5/2016	Lead	2	Copper	80		T	FLINT	48503
LG07073	2/3/2016	Lead	0	Copper	0		T	FLINT	
LG01506	1/21/2016	Lead	4	Copper	130		T	FLINT	48503
LG04461	1/26/2016	Lead	4	Copper	170		T	FLINT	48503
LG02918	1/23/2016	Lead	8	Copper	0		E	FLINT	48503
LF99166	1/7/2016	Lead	0	Copper	420			FLINT	
LG06935	2/1/2016	Lead	0	Copper	120		CIRCLE	FLINT	48503
LG02599	1/22/2016	Lead	0	Copper	190		DR	FLINT	48503
LG08300	2/3/2016	Lead	0	Copper	240		DR	FLINT	48503
LF99168	1/7/2016	Lead	0	Copper	340		DR	FLINT	
LG02725	1/23/2016	Lead	0	Copper	70		DRIVE	FLINT	48503
LG06901	2/1/2016	Lead	0	Copper	290		DRIVE	FLINT	48503
LG06208	1/29/2016	Lead	0	Copper	190		LANE	FLINT	48503
LG04543	1/26/2016	Lead	0	Copper	70		LANE	FLINT	48503
LG03151	1/24/2016	Lead	0	Copper	340		LANE	FLINT	48503
LG07503	2/2/2016	Lead	0	Copper	290		LN	FLINT	48503
LG06727	2/1/2016	Lead	4	Copper	120			FLINT	48503
LG07037	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG07619	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG06166	1/29/2016	Lead	0	Copper	0			BURTON	48529
LG02513	1/22/2016	Lead	2	Copper	190		OK CIR	FLINT	48507
LG03048	1/24/2016	Lead	5	Copper	240		OK CIR		48507
LF85857	10/1/2015	Lead	3	Copper	0			FLINT	48503
LG07670	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG06259	1/30/2016	Lead	5	Copper	210		K CIRCLE	FLINT	48507
LG03543	1/25/2016	Lead	0	Copper	0		K CIRCLE	FLINT	48507
LG04303	1/26/2016	Lead	0	Copper	210		K CIRCLE	FLINT	48507
LG09453	2/4/2016	Lead	0	Copper	100		K CR	FLINT	48507
LG00562	1/19/2016	Lead	0	Copper	0		E	FLINT	48506
LG01203	1/21/2016	Lead	0	Copper	230		E	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG06382	1/30/2016	Lead	0	Copper	250			FLINT	48506
LG09915	2/5/2016	Lead	8	Copper	0			FLINT	48503
LG09072	2/4/2016	Lead	5	Copper	0			FLINT	48503
LG01593	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG01601	1/21/2016	Lead	0	Copper	0		IIL	FLINT	48506
LG05670	1/28/2016	Lead	0	Copper	0		IIL	FLINT	48506
LG04260	1/26/2016	Lead	0	Copper	120		AIL	FLINT	48506
LF92698	11/18/2015	Lead	0	Copper	0		VE	FLINT	48503
LF92713	11/18/2015	Lead	0	Copper	0		VE	FLINT	48503
LG05914	1/29/2016	Lead	0	Copper	80		VE	FLINT	48503
LG00000	1/15/2016	Lead	0	Copper	90		VE	FLINT	48503
LG06728	2/1/2016	Lead	2	Copper	0		VE	FLINT	48503
LG04211	1/26/2016	Lead	3	Copper	0		VE	FLINT	48503
LG04130	1/26/2016	Lead	[redacted]	Copper	160		VE	FLINT	48503
LG06550	1/31/2016	Lead	[redacted]	Copper	0		VE	FLINT	48503
LG06916	2/1/2016	Lead	0	Copper	0		VE	FLINT	
LG07669	2/2/2016	Lead	0	Copper	0		VE	FLINT	48503
LG05965	1/29/2016	Lead	1	Copper	0		VE	FLINT	48503
LG02989	1/24/2016	Lead	[redacted]	Copper	190		VE	FLINT	48503
LG10250	2/6/2016	Lead	1	Copper	0		VE	FLINT	48503
LG06515	1/31/2016	Lead	10	Copper	140		VEN	FLINT	48503
LG06573	1/31/2016	Lead	0	Copper	0		VENUE	FLINT	48503
LG09983	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG08546	2/3/2016	Lead	0	Copper	180			FLINT	48504
LG02227	1/21/2016	Lead	4	Copper	270		E	FLINT	48503
LG01887	1/21/2016	Lead	0	Copper	0		SS	FLINT	48506
LG06118	1/29/2016	Lead	1	Copper	0		SS	FLINT	48506
LG04750	1/27/2016	Lead	0	Copper	80		E	FLINT	48507
LG04826	1/27/2016	Lead	0	Copper	100		E	FLINT	48507
LG04839	1/27/2016	Lead	3	Copper	90		E	FLINT	48507
LG02070	1/21/2016	Lead	0	Copper	130		E	FLINT	48507
LG08686	2/3/2016	Lead	0	Copper	100		E	FLINT	48507
LG06030	1/29/2016	Lead	2	Copper	90		E	FLINT	48507
LG00994	1/20/2016	Lead	0	Copper	90			FLINT	48507
LG04542	1/26/2016	Lead	9	Copper	50			FLINT	48507
LG03075	1/24/2016	Lead	3	Copper	220			FLINT	48507
LG09675	2/5/2016	Lead	0	Copper	210			FLINT	48507
LG02182	1/21/2016	Lead	0	Copper	80		IR	FLINT	48504
LG02787	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG09818	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG08439	2/3/2016	Lead	0	Copper	0			FLINT	
LF99145	1/7/2016	Lead	10	Copper	380			FLINT	
LG05689	1/28/2016	Lead	13	Copper	110			FLINT	48504
LG06498	1/31/2016	Lead	[redacted]	Copper	510			FLINT	48504
LG07892	2/2/2016	Lead	1	Copper	0			FLINT	48504
LG03537	1/25/2016	Lead	4	Copper	100			FLINT	48504
LG05518	1/28/2016	Lead	6	Copper	170			FLINT	48504
LG10264	2/6/2016	Lead	[redacted]	Copper	820			FLINT	48504
LG08543	2/3/2016	Lead	1	Copper	50			FLINT	48504
LF88949	10/26/2015	Lead	4	Copper	0			FLINT	48504
LG09199	2/4/2016	Lead	1	Copper	0			FLINT	48504
LG05293	1/27/2016	Lead	2	Copper	130			FLINT	48504
LF99969	1/15/2016	Lead	0	Copper	0			FLINT	48504
LF99972	1/15/2016	Lead	0	Copper	80			FLINT	48504
LG02684	1/23/2016	Lead	0	Copper	110			FLINT	48504
LG08580	2/3/2016	Lead	7	Copper	0			FLINT	48504
LG07794	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG10123	2/6/2016	Lead	[redacted]	Copper	250			FLINT	48504
LG02970	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG04412	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG10170	2/6/2016	Lead	0	Copper	0		ET	FLINT	48504
LG03804	1/25/2016	Lead	1	Copper	70		ET	FLINT	48504
LG09369	2/4/2016	Lead	0	Copper	280		ET	FLINT	48504
LG09416	2/4/2016	Lead	8	Copper	70		ET	FLINT	48504
LG02703	1/23/2016	Lead	0	Copper	0		WAY	FLINT	48506
LG06735	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG05274	1/27/2016	Lead	0	Copper	0		VD	FLINT	48505-5164
LG08717	2/3/2016	Lead	0	Copper	0		VD	FLINT	48505
LG07937	2/2/2016	Lead	0	Copper	0		VD	FLINT	48505
LG06461	1/30/2016	Lead	1	Copper	160			FLINT	48504
LG09327	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG07580	2/2/2016	Lead	4	Copper	0		E	FLINT	48506
LG08308	2/3/2016	Lead	2	Copper	0		E	FLINT	48506
LG06758	2/1/2016	Lead	1	Copper	170		E	FLINT	48506
LG06752	2/1/2016	Lead	[redacted]	Copper	0		E	FLINT	48506
LG06579	1/31/2016	Lead	3	Copper	0		E	FLINT	
LG09881	2/5/2016	Lead	2	Copper	0		E	FLINT	48506
LG06759	2/1/2016	Lead	0	Copper	0		E	FLINT	
LG00592	1/19/2016	Lead	0	Copper	0		E	FLINT	48506
LF87045	10/8/2015	Lead	0	Copper	80		E	FLINT	48506
LG07816	2/2/2016	Lead	0	Copper	60		E	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG01503	1/21/2016	Lead	0	Copper	210		/E	FLINT	48506
LG10136	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG08442	2/3/2016	Lead	1	Copper	60			FLINT	48504-2164
LG09066	2/4/2016	Lead	2	Copper	120			FLINT	48504
LG07029	2/1/2016	Lead	0	Copper	0			FLINT	48504
LF93570	11/24/2015	Lead	0	Copper	0			FLINT	48504
LG02497	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG04232	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG05240	1/27/2016	Lead	1	Copper	0			FLINT	48503
LG07543	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG01385	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG06424	1/30/2016	Lead	1	Copper	0			FLINT	48504
LG03640	1/25/2016	Lead	3	Copper	60		15	FLINT	48504
LG04313	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG05719	1/28/2016	Lead	2	Copper	0			FLINT	
LG06784	2/1/2016	Lead	9	Copper	0			FLINT	48504
LG05988	1/29/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG06100	1/29/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG05759	1/28/2016	Lead	11	Copper	140			FLINT	48504
LG10140	2/6/2016	Lead	0	Copper	110			FLINT	48504
LG03020	1/24/2016	Lead	1	Copper	50			FLINT	48504
LG03546	1/25/2016	Lead	[redacted]	Copper	650			FLINT	48504
LG06907	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG08651	2/3/2016	Lead	10	Copper	0			FLINT	48504
LG05635	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG04180	1/26/2016	Lead	2	Copper	0			FLINT	48504
LG08567	2/3/2016	Lead	4	Copper	100			FLINT	48504
LG07026	2/1/2016	Lead	4	Copper	0			FLINT	48504
LG09777	2/5/2016	Lead	[redacted]	Copper	210			FLINT	48504
LG01347	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG07709	2/2/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48504
LG03687	1/25/2016	Lead	[redacted]	Copper	200			FLINT	48504
LG02672	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG04482	1/26/2016	Lead	0	Copper	70			FLINT	48503
LG01882	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG03749	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG09491	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG06535	1/31/2016	Lead	14	Copper	210			FLINT	48053
LG04064	1/26/2016	Lead	0	Copper	140			FLINT	48503
LG06507	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG08749	2/3/2016	Lead	0	Copper	220			FLINT	48503
LG03008	1/24/2016	Lead	2	Copper	100			FLINT	48503
LG07010	2/1/2016	Lead	5	Copper	0			FLINT	48503
LG08791	2/3/2016	Lead	10	Copper	230			FLINT	48503-3535
LG01329	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG09927	2/5/2016	Lead	1	Copper	180			FLINT	48503
LG07921	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG01446	1/21/2016	Lead	0	Copper	100			FLINT	48504
LG01704	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04087	1/26/2016	Lead	[redacted]	Copper	110			FLINT	48503
LG02163	1/21/2016	Lead	4	Copper	0			FLINT	48503
LG07822	2/2/2016	Lead	[redacted]	Copper	60			FLINT	48503
LG01682	1/21/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG01931	1/21/2016	Lead	0	Copper	50			FLINT	48503
LG00980	1/20/2016	Lead	3	Copper	180			FLINT	48503
LF87405	10/13/2015	Lead	0	Copper	50			FLINT	48503
LG06520	1/31/2016	Lead	3	Copper	0			FLINT	48503
LG06924	2/1/2016	Lead	3	Copper	0			FLINT	48503
LG01282	1/21/2016	Lead	1	Copper	220			FLINT	48503
LF84316	9/23/2015	Lead	[redacted]	Copper	130			FLINT	48503
LF99163	1/7/2016	Lead	2	Copper	70			FLINT	48503
LG00616	1/19/2016	Lead	4	Copper	160			FLINT	48503
LG03154	1/24/2016	Lead	1	Copper	0			FLINT	48503
LG06888	2/1/2016	Lead	1	Copper	70			FLINT	48503
LG02322	1/22/2016	Lead	0	Copper	120			FLINT	48503
LG09700	2/5/2016	Lead	0	Copper	0			FLINT	48507
LF93579	11/24/2015	Lead	3	Copper	0			FLINT	48504
LG10595	2/7/2016	Lead	0	Copper	0		/E	FLINT	48504
LG05752	1/28/2016	Lead	0	Copper	0		/E	FLINT	48504
LG00555	1/19/2016	Lead	3	Copper	0			FLINT	48506
LG10590	2/7/2016	Lead	6	Copper	80			FLINT	48506
LG07765	2/2/2016	Lead	1	Copper	50			FLINT	48506
LG02069	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG00565	1/19/2016	Lead	0	Copper	50		/E	FLINT	48506
LG06583	1/31/2016	Lead	0	Copper	0		/E	FLINT	48506
LG03577	1/25/2016	Lead	2	Copper	0		/E	FLINT	48506
LG06396	1/30/2016	Lead	0	Copper	0		/E	FLINT	48506
LG02537	1/22/2016	Lead	2	Copper	90		/E	FLINT	48506
LG09325	2/4/2016	Lead	2	Copper	140		/E	FLINT	48506
LG07723	2/2/2016	Lead	10	Copper	180		/E	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St[redacted]	Street Name	City	Zip Code
LF87047	10/8/2015	Lead	0	Copper	0		E	FLINT	48506
LG02523	1/22/2016	Lead	0	Copper	0		E	FLINT	48506
LF85797	10/1/2015	Lead	0	Copper	0		E	FLINT	48506
LG09796	2/5/2016	Lead	0	Copper	0		E	FLINT	
LG04344	1/26/2016	Lead	0	Copper	0		E	FLINT	48506
LG04836	1/27/2016	Lead	0	Copper	0		E	FLINT	48506
LG04832	1/27/2016	Lead	0	Copper	0		E	FLINT	48506
LG06866	2/1/2016	Lead	0	Copper	50		E	FLINT	48506
LG01000	1/20/2016	Lead	0	Copper	0		E	BURTON	
LG05051	1/27/2016	Lead	0	Copper	100			FLINT	48503
LG02775	1/23/2016	Lead	5	Copper	50			FLINT	48503
LG09838	2/5/2016	Lead	3	Copper	0			FLINT	48503
LG10259	2/6/2016	Lead	1	Copper	80			FLINT	48503
LG01612	1/21/2016	Lead	9	Copper	120			FLINT	48503
LG04116	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG01965	1/21/2016	Lead	8	Copper	110			FLINT	48503
LG00527	1/19/2016	Lead	3	Copper	100			FLINT	48503
LG00528	1/19/2016	Lead	2	Copper	80			FLINT	48503
LG05059	1/27/2016	Lead	2	Copper	70			FLINT	48503
LF85801	10/1/2015	Lead	6	Copper	100			FLINT	48503
LG01627	1/21/2016	Lead	0	Copper	360			FLINT	48503
LG02435	1/22/2016	Lead	0	Copper	210			FLINT	48503
LG01901	1/21/2016	Lead	5	Copper	70			FLINT	48503
LG08310	2/3/2016	Lead	5	Copper	60			FLINT	48503
LG08312	2/3/2016	Lead	4	Copper	80			FLINT	48503
LG03698	1/25/2016	Lead	[redacted]	Copper	170			FLINT	48507
LG02387	1/22/2016	Lead	10	Copper	60			FLINT	48507
LG03778	1/25/2016	Lead	4	Copper	100			FLINT	48507
LG04109	1/26/2016	Lead	0	Copper	80			FLINT	48507
LG01331	1/21/2016	Lead	0	Copper	130			FLINT	48507
LG07491	2/2/2016	Lead	0	Copper	70			FLINT	48507
LG02420	1/22/2016	Lead	0	Copper	100			FLINT	48507
LG05989	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG09105	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09217	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG10498	2/7/2016	Lead	0	Copper	0			FLINT	48507
LG04149	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG08667	2/3/2016	Lead	4	Copper	70			FLINT	48507
LG01795	1/21/2016	Lead	5	Copper	110			FLINT	48507
LG05747	1/28/2016	Lead	2	Copper	120			FLINT	48507
LG09360	2/4/2016	Lead	11	Copper	180			FLINT	48507
LG04749	1/27/2016	Lead	2	Copper	80			FLINT	48507
LG04883	1/27/2016	Lead	0	Copper	70			FLINT	48503
LG01428	1/21/2016	Lead	0	Copper	100			FLINT	48503
LG08481	2/3/2016	Lead	0	Copper	110			FLINT	48503
LG00559	1/19/2016	Lead	2	Copper	0			FLINT	48503
LG01734	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04247	1/26/2016	Lead	0	Copper	70			FLINT	48503
LF90461	11/4/2015	Lead	2	Copper	110			FLINT	48503
LG04163	1/26/2016	Lead	0	Copper	100			FLINT	48503
LG04762	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG09676	2/5/2016	Lead	0	Copper	0			FLINT	48532
LG06330	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG10581	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG08472	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG09999	2/5/2016	Lead	2	Copper	0			FLINT	48506
LG01345	1/21/2016	Lead	0	Copper	0		E	FLINT	48506
LG02705	1/23/2016	Lead	8	Copper	60		E	FLINT	48506
LG01980	1/21/2016	Lead	4	Copper	140		E	FLINT	48506
LG00973	1/20/2016	Lead	6	Copper	90		E	FLINT	48506
LG03721	1/25/2016	Lead	4	Copper	0		E	FLINT	
LG07614	2/2/2016	Lead	3	Copper	0		E	FLINT	48506
LG09726	2/5/2016	Lead	0	Copper	0		E	FLINT	
LG05106	1/27/2016	Lead	0	Copper	0		E	FLINT	48506
LG10550	2/7/2016	Lead	0	Copper	0		E	FLINT	48506
LG02139	1/21/2016	Lead	0	Copper	80		E	FLINT	48506
LG07852	2/2/2016	Lead	0	Copper	90		E	FLINT	48506
LG06513	1/31/2016	Lead	0	Copper	0		E	FLINT	48506
LG00560	1/19/2016	Lead	2	Copper	0		E	FLINT	48506
LG04504	1/26/2016	Lead	1	Copper	0		E	FLINT	
LG09790	2/5/2016	Lead	0	Copper	60		E	FLINT	48506
LG02335	1/22/2016	Lead	0	Copper	0		E	FLINT	48506
LG00848	1/20/2016	Lead	1	Copper	0		E	FLINT	48506
LG04593	1/26/2016	Lead	0	Copper	0		E	FLINT	48506
LF97340	12/18/2015	Lead	1	Copper	0		E	FLINT	
LF93591	11/24/2015	Lead	0	Copper	0		E	FLINT	48506
LG04325	1/26/2016	Lead	0	Copper	0		E	FLINT	48506
LG10061	2/6/2016	Lead	0	Copper	0		E	FLINT	48506
LG02693	1/23/2016	Lead	8	Copper	60		E	FLINT	48506
LG06177	1/29/2016	Lead	0	Copper	0		E	FLINT	48506
LG07688	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG02767	1/23/2016	Lead	0	Copper	0			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG02350	1/22/2016	Lead	2	Copper	0		FLINT	48503
LG01221	1/21/2016	Lead	0	Copper	0		FLINT	48503
LG05067	1/27/2016	Lead	0	Copper	70		FLINT	48503
LF84897	9/25/2015	Lead	[redacted]	Copper	190		FLINT	48503
LF86507	10/6/2015	Lead	[redacted]	Copper	180		FLINT	48503
LF89522	10/30/2015	Lead	[redacted]	Copper	130		FLINT	48503
LF89523	10/30/2015	Lead	[redacted]	Copper	60		FLINT	48503
LF89526	10/30/2015	Lead	[redacted]	Copper	0		FLINT	48503
LF99949	1/15/2016	Lead	7	Copper	0		FLINT	48503
LG01570	1/21/2016	Lead	[redacted]	Copper	140		FLINT	48503
LG00588	1/19/2016	Lead	1	Copper	0			48503
LG06228	1/29/2016	Lead	0	Copper	0		FLINT	48503
LG10184	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG04533	1/26/2016	Lead	0	Copper	60		FLINT	48503
LG07445	2/2/2016	Lead	1	Copper	60		FLINT	48503
LG10021	2/5/2016	Lead	2	Copper	0		FLINT	48503
LG07031	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG10151	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG05171	1/27/2016	Lead	0	Copper	80		FLINT	48503
LG07640	2/2/2016	Lead	0	Copper	0		FLINT	48503
LG02529	1/22/2016	Lead	0	Copper	0		FLINT	48503
LG01918	1/21/2016	Lead	0	Copper	0		FLINT	48503
LG06599	1/31/2016	Lead	2	Copper	90		FLINT	48503
LG00624	1/19/2016	Lead	0	Copper	80		FLINT	48503
LG04127	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG06034	1/29/2016	Lead	0	Copper	0		FLINT	48503
LG04315	1/26/2016	Lead	1	Copper	110		FLINT	48503
LG09269	2/4/2016	Lead	0	Copper	0		FLINT	48503
LF93572	11/24/2015	Lead	0	Copper	0		FLINT	
LG10006	2/5/2016	Lead	8	Copper	80		FLINT	48503
LG09209	2/4/2016	Lead	0	Copper	50		FLINT	48503
LF86505	10/6/2015	Lead	[redacted]	Copper	70		FLINT	48503
LF99986	1/15/2016	Lead	[redacted]	Copper	110			
LF99987	1/15/2016	Lead	6	Copper	0			48503
LG02925	1/23/2016	Lead	1	Copper	0		FLINT	48503
LG02927	1/23/2016	Lead	0	Copper	0		FLINT	48503
LG02768	1/23/2016	Lead	6	Copper	0		FLINT	48503
LG04039	1/26/2016	Lead	1	Copper	0		FLINT	48503
LG04865	1/27/2016	Lead	1	Copper	80		FLINT	48503
LG07632	2/2/2016	Lead	0	Copper	0		FLINT	48503
LG06862	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG09792	2/5/2016	Lead	0	Copper	0	D CT	FLINT	48506
LG01985	1/21/2016	Lead	0	Copper	0		FLINT	48505
LG08563	2/3/2016	Lead	0	Copper	0		FLINT	48505
LG10551	2/7/2016	Lead	0	Copper	0		FLINT	48505
LG04101	1/26/2016	Lead	3	Copper	0	R	FLINT	48532
LG04400	1/26/2016	Lead	0	Copper	60	R	FLINT	48532
LG01512	1/21/2016	Lead	0	Copper	50		FLINT	48503
LG07700	2/2/2016	Lead	4	Copper	0		FLINT	48503
LG05250	1/27/2016	Lead	2	Copper	0		FLINT	48503
LG08733	2/3/2016	Lead	3	Copper	60		FLINT	48503
LG06647	1/31/2016	Lead	3	Copper	0	DR	FLINT	48503
LG08545	2/3/2016	Lead	1	Copper	0	ST	FLINT	48503
LG02426	1/22/2016	Lead	1	Copper	0	ST	FLINT	48503
LG03112	1/24/2016	Lead	0	Copper	0	ST	FLINT	48503
LG03111	1/24/2016	Lead	6	Copper	0	ST	FLINT	48503
LG03513	1/25/2016	Lead	0	Copper	0	ST	FLINT	48503
LG05908	1/29/2016	Lead	0	Copper	0	ST	FLINT	48503
LG05979	1/29/2016	Lead	2	Copper	60	ST	FLINT	48503
LG06367	1/30/2016	Lead	[redacted]	Copper	0	ST	FLINT	48532
LG02524	1/22/2016	Lead	0	Copper	60	ST	FLINT	48532
LG02456	1/22/2016	Lead	0	Copper	0	ST	FLINT	48532
LG09180	2/4/2016	Lead	4	Copper	0	E	FLINT	48506
LF84900	9/25/2015	Lead	2	Copper	0		FLINT	
LF85607	9/30/2015	Lead	12	Copper	150		FLINT	
LF86499	10/6/2015	Lead	0	Copper	0			
LF86500	10/6/2015	Lead	8	Copper	70			
LF87064	10/8/2015	Lead	0	Copper	0			
LF87421	10/13/2015	Lead	4	Copper	0		FLINT	
LF90464	11/4/2015	Lead	[redacted]	Copper	50		FLINT	
LF93571	11/24/2015	Lead	0	Copper	0		FLINT	
LF93576	11/24/2015	Lead	8	Copper	210		FLINT	48504
LF97330	12/18/2015	Lead	2	Copper	0		FLINT	
LG00478	1/19/2016	Lead	0	Copper	0			48507
LG00611	1/19/2016	Lead	2	Copper	0		FLINT	48503
LG00844	1/20/2016	Lead	4	Copper	0			
LG00878	1/20/2016	Lead	1	Copper	0			
LG00884	1/20/2016	Lead	4	Copper	0			
LG00941	1/20/2016	Lead	0	Copper	0		FLINT	48506
LG00949	1/20/2016	Lead	0	Copper	0		FLINT	48505
LG00960	1/20/2016	Lead	0	Copper	110		FLINT	
LG01228	1/21/2016	Lead	3	Copper	0		FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01236	1/21/2016	Lead	0	Copper	0			FLINT	
LG01254	1/21/2016	Lead	0	Copper	0			FLINT	
LG01263	1/21/2016	Lead	0	Copper	0			FLINT	
LG01315	1/21/2016	Lead	3	Copper	100			FLINT	
LG01365	1/21/2016	Lead	0	Copper	90				
LG01447	1/21/2016	Lead	0	Copper	0			FLINT	
LG01471	1/21/2016	Lead	0	Copper	130				
LG01478	1/21/2016	Lead	0	Copper	60				
LG01577	1/21/2016	Lead	0	Copper	0			FLINT	
LG01597	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG01705	1/21/2016	Lead	2	Copper	70				48505
LG01716	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG01717	1/21/2016	Lead	0	Copper	130				
LG01723	1/21/2016	Lead	0	Copper	100				
LG01742	1/21/2016	Lead	[redacted]	Copper	60			FLINT	
LG01758	1/21/2016	Lead	2	Copper	0			FLINT	
LG01813	1/21/2016	Lead	0	Copper	0				
LG01860	1/21/2016	Lead	1	Copper	180				
LG01936	1/21/2016	Lead	0	Copper	0				
LG01957	1/21/2016	Lead	2	Copper	130			FLINT	
LG01969	1/21/2016	Lead	0	Copper	0				
LG01991	1/21/2016	Lead	0	Copper	0				
LG02034	1/21/2016	Lead	1	Copper	0				
LG02037	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02075	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG02084	1/21/2016	Lead	3	Copper	180				
LG02096	1/21/2016	Lead	0	Copper	0				
LG02098	1/21/2016	Lead	1	Copper	80				
LG02121	1/21/2016	Lead	0	Copper	90				
LG02132	1/21/2016	Lead	0	Copper	380			FLINT	48507
LG02135	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02173	1/21/2016	Lead	0	Copper	0				
LG02203	1/21/2016	Lead	3	Copper	0				
LG02320	1/22/2016	Lead	0	Copper	400				
LG02328	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02418	1/22/2016	Lead	0	Copper	0				
LG02428	1/22/2016	Lead	0	Copper	70			FLINT	48504
LG02460	1/22/2016	Lead	[redacted]	Copper	500			FLINT	
LG02490	1/22/2016	Lead	0	Copper	0				
LG02585	1/22/2016	Lead	0	Copper	180				
LG02596	1/22/2016	Lead	0	Copper	0				
LG02640	1/22/2016	Lead	4	Copper	130			FLINT	48505
LG02721	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02760	1/23/2016	Lead	2	Copper	0				
LG02883	1/23/2016	Lead	0	Copper	0			FLINT	
LG02959	1/23/2016	Lead	0	Copper	0			FLINT	48529
LG03047	1/24/2016	Lead	0	Copper	0			FLINT	
LG03052	1/24/2016	Lead	0	Copper	330				
LG03078	1/24/2016	Lead	0	Copper	100				
LG03108	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03131	1/24/2016	Lead	2	Copper	80				
LG03141	1/24/2016	Lead	0	Copper	0				
LG03473	1/25/2016	Lead	0	Copper	70				
LG03585	1/25/2016	Lead	0	Copper	150				
LG03633	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG03652	1/25/2016	Lead	0	Copper	0			FLINT	
LG03664	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03682	1/25/2016	Lead	0	Copper	0			FLINT	
LG03703	1/25/2016	Lead	0	Copper	0			FLINT	
LG03717	1/25/2016	Lead	0	Copper	260				
LG04113	1/26/2016	Lead	0	Copper	0			FLINT	
LG04138	1/26/2016	Lead	0	Copper	180			FLINT	48504
LG04139	1/26/2016	Lead	15	Copper	70			FLINT	
LG04166	1/26/2016	Lead	6	Copper	150			FLINT	48504
LG04234	1/26/2016	Lead	0	Copper	60				
LG04359	1/26/2016	Lead	0	Copper	0			FLINT	
LG04407	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04409	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04484	1/26/2016	Lead	1	Copper	110				
LG04536	1/26/2016	Lead	6	Copper	60				
LG04559	1/26/2016	Lead	0	Copper	0				
LG04585	1/26/2016	Lead	3	Copper	0				
LG04602	1/26/2016	Lead	5	Copper	60			FLINT	
LG04879	1/27/2016	Lead	1	Copper	0				
LG04957	1/27/2016	Lead	0	Copper	0				
LG05013	1/27/2016	Lead	0	Copper	0				
LG05023	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05207	1/27/2016	Lead	0	Copper	0				
LG05209	1/27/2016	Lead	0	Copper	0				
LG05212	1/27/2016	Lead	0	Copper	0				
LG05242	1/27/2016	Lead	9	Copper	0				
LG05495	1/28/2016	Lead	0	Copper	0				

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05575	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05580	1/28/2016	Lead	0	Copper	0				
LG05588	1/28/2016	Lead	1	Copper	110				
LG05634	1/28/2016	Lead	2	Copper	0			FLINT	
LG05692	1/28/2016	Lead	0	Copper	60				
LG05718	1/28/2016	Lead	2	Copper	0				
LG05721	1/28/2016	Lead	0	Copper	0				
LG05749	1/28/2016	Lead	4	Copper	0				
LG05841	1/29/2016	Lead	0	Copper	0			FLINT	
LG05962	1/29/2016	Lead	0	Copper	160				
LG05980	1/29/2016	Lead	0	Copper	0				
LG05981	1/29/2016	Lead	0	Copper	360				
LG06027	1/29/2016	Lead	3	Copper	0				
LG06089	1/29/2016	Lead	0	Copper	0				
LG06108	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06146	1/29/2016	Lead	0	Copper	140				
LG06210	1/29/2016	Lead	0	Copper	0				48506
LG06325	1/30/2016	Lead	2	Copper	0				
LG06377	1/30/2016	Lead	0	Copper	80			FLINT	48503
LG06420	1/30/2016	Lead	0	Copper	0				
LG06485	1/31/2016	Lead	0	Copper	0			FLINT	
LG06510	1/31/2016	Lead	0	Copper	0				
LG06558	1/31/2016	Lead	7	Copper	50			FLINT	48504
LG06585	1/31/2016	Lead	2	Copper	140				
LG06597	1/31/2016	Lead	0	Copper	0				
LG06604	1/31/2016	Lead	0	Copper	0				
LG06639	1/31/2016	Lead	2	Copper	70			FLINT	
LG06652	1/31/2016	Lead	3	Copper	0				
LG06733	2/1/2016	Lead	[redacted]	Copper	260				
LG07009	2/1/2016	Lead	0	Copper	60			FLINT	48504
LG07030	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG07033	2/1/2016	Lead	0	Copper	0			FLINT	48505
LG07038	2/1/2016	Lead	3	Copper	60			FLINT	
LG07049	2/1/2016	Lead	0	Copper	0			FLINT	
LG07616	2/2/2016	Lead	1	Copper	50			FLINT	
LG07624	2/2/2016	Lead	1	Copper	0			FLINT	
LG07637	2/2/2016	Lead	2	Copper	60			FLINT	
LG07715	2/2/2016	Lead	0	Copper	0				48506
LG07777	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG08326	2/3/2016	Lead	1	Copper	100				
LG08368	2/3/2016	Lead	0	Copper	0				48503
LG08378	2/3/2016	Lead	2	Copper	100				
LG08473	2/3/2016	Lead	0	Copper	0				
LG08505	2/3/2016	Lead	1	Copper	0				
LG08619	2/3/2016	Lead	[redacted]	Copper	110			FLINT	48504
LG08660	2/3/2016	Lead	0	Copper	0				
LG08693	2/3/2016	Lead	0	Copper	90				
LG08703	2/3/2016	Lead	1	Copper	0				
LG08787	2/3/2016	Lead	0	Copper	110				
LG08809	2/3/2016	Lead	0	Copper	0				48504
LG09073	2/4/2016	Lead	0	Copper	0				
LG09076	2/4/2016	Lead	1	Copper	0				
LG09130	2/4/2016	Lead	2	Copper	0				
LG09143	2/4/2016	Lead	[redacted]	Copper	70				
LG09164	2/4/2016	Lead	0	Copper	0			FLINT	
LG09216	2/4/2016	Lead	3	Copper	70			FLINT	
LG09223	2/4/2016	Lead	4	Copper	80			FLINT	
LG09272	2/4/2016	Lead	3	Copper	0			FLINT	
LG09313	2/4/2016	Lead	0	Copper	190			FLINT	48505
LG09354	2/4/2016	Lead	4	Copper	200			FLINT	
LG09420	2/4/2016	Lead	0	Copper	70			FLINT	
LG09422	2/4/2016	Lead	0	Copper	90			FLINT	
LG09459	2/4/2016	Lead	6	Copper	0			FLINT	
LG09817	2/5/2016	Lead	1	Copper	270			FLINT	
LG09950	2/5/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG09970	2/5/2016	Lead	0	Copper	0				48507
LG10001	2/5/2016	Lead	0	Copper	0				
LG10153	2/6/2016	Lead	1	Copper	150			FLINT	48505
LG10178	2/6/2016	Lead	0	Copper	0				
LG10224	2/6/2016	Lead	2	Copper	50				
LG10462	2/7/2016	Lead	0	Copper	0				
LG10472	2/7/2016	Lead	0	Copper	0				
LG10534	2/7/2016	Lead	0	Copper	50				
LG10564	2/7/2016	Lead	5	Copper	310				
LG10599	2/7/2016	Lead	[redacted]	Copper	130			FLINT	

NOTES:

ppb = parts per billion

Lead values exceeding 15 ppb and Copper results exceeding 1,300 ppb are highlighted in red.

Flint Residential Testing Report -results collected through February 7, 2016

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code

Sample results of "Not Detected" have been replaced with a numerical value of zero for ease of sorting.

Samples without a zip code did not have one provided on the accompanying paperwork.

*** = Invalid Zip Code

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Flint Residential Testing Report -results collected through February 7, 2016

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05107	1/27/2016	Lead	0	Copper	70			FLINT	48503
LG01702	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG06363	1/30/2016	Lead	[redacted]	Copper	180			FLINT	48504
LF90466	11/4/2015	Lead	3	Copper	0			FLINT	48504
LG01599	1/21/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG02033	1/21/2016	Lead	0	Copper	60			FLINT	48504
LG01724	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG00883	1/20/2016	Lead	0	Copper	0			FLINT	
LG02608	1/22/2016	Lead	0	Copper	150			FLINT	48504
LG10176	2/6/2016	Lead	0	Copper	90			FLINT	
LF88969	10/26/2015	Lead	4	Copper	0			FLINT	48504
LG05685	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG08654	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG05091	1/27/2016	Lead	0	Copper	90			FLINT	48505
LG01690	1/21/2016	Lead	0	Copper	70			FLINT	48505
LG02540	1/22/2016	Lead	0	Copper	60			FLINT	48505
LG08316	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG02427	1/22/2016	Lead	0	Copper	210			FLINT	48505
LG01482	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG08726	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG09955	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG07681	2/2/2016	Lead	1	Copper	60			FLINT	48505
LG01999	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG00983	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG10183	2/6/2016	Lead	0	Copper	0	[redacted]		FLINT	48505
LG03705	1/25/2016	Lead	4	Copper	0	[redacted]		FLINT	48386
LG03719	1/25/2016	Lead	0	Copper	160	[redacted]		FLINT	48504
LG09224	2/4/2016	Lead	2	Copper	0	[redacted]		FLINT	48504
LG09956	2/5/2016	Lead	0	Copper	0	[redacted]		FLINT	48505
LG09309	2/4/2016	Lead	2	Copper	70	[redacted]		FLINT	48505
LG05710	1/28/2016	Lead	2	Copper	310			FLINT	48503
LF93563	11/24/2015	Lead	2	Copper	390			FLINT	48503
LG09150	2/4/2016	Lead	0	Copper	80			FLINT	48503
LG06402	1/30/2016	Lead	3	Copper	0			FLINT	48503
LG05705	1/28/2016	Lead	1	Copper	0			FLINT	48503
LF99934	1/15/2016	Lead	2	Copper	0				48503
LG01791	1/21/2016	Lead	[redacted]	Copper	80			FLINT	48503
LG07423	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG06575	1/31/2016	Lead	1	Copper	0			FLINT	
LG03747	1/25/2016	Lead	9	Copper	0			FLINT	
LG05187	1/27/2016	Lead	1	Copper	50			FLINT	48503
LG06080	1/29/2016	Lead	1	Copper	0	[redacted]3		FLINT	48503
LG09115	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG01874	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG09163	2/4/2016	Lead	0	Copper	0			FLINT	48532
LG09767	2/5/2016	Lead	6	Copper	0			FLINT	48507
LG06009	1/29/2016	Lead	2	Copper	0			FLINT	
LF99156	1/7/2016	Lead	2	Copper	0			FLINT	
LG04077	1/26/2016	Lead	0	Copper	740			FLINT	48502
LG05917	1/29/2016	Lead	0	Copper	0			FLINT	48502
LG01187	1/21/2016	Lead	0	Copper	0			FLINT	48502
LG01009	1/20/2016	Lead	0	Copper	60			FLINT	48502
LG01311	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG08313	2/3/2016	Lead	1	Copper	310			FLINT	48503
LF87041	10/8/2015	Lead	3	Copper	0			FLINT	48503
LG02205	1/21/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG07058	2/1/2016	Lead	0	Copper	440			FLINT	48503
LG08777	2/3/2016	Lead	4	Copper	130			FLINT	48503
LG05068	1/27/2016	Lead	1	Copper	0			FLINT	48503
LG04036	1/26/2016	Lead	0	Copper	0	[redacted]09		FLINT	48503
LG09375	2/4/2016	Lead	0	Copper	0	[redacted]11		FLINT	48503
LG01708	1/21/2016	Lead	2	Copper	230			FLINT	48503
LF85932	10/2/2015	Lead	2	Copper	0	[redacted]5		FLINT	48503
LG04060	1/26/2016	Lead	0	Copper	0			FLINT	48503
LF99960	1/15/2016	Lead	7	Copper	130				48503
LG02095	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04040	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG02348	1/22/2016	Lead	0	Copper	100	[redacted]JITE 200		FLINT	48502
LG03065	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG06936	2/1/2016	Lead	1	Copper	70			FLINT	
LG08401	2/3/2016	Lead	3	Copper	0			FLINT	48503
LG02339	1/22/2016	Lead	0	Copper	120			FLINT	48503
LG01562	1/21/2016	Lead	1	Copper	160			FLINT	48503
LG04760	1/27/2016	Lead	2	Copper	0			FLINT	48503
LF85863	10/1/2015	Lead	5	Copper	0			FLINT	48503
LG10491	2/7/2016	Lead	1	Copper	0			FLINT	
LG10494	2/7/2016	Lead	2	Copper	0			FLINT	
LG02773	1/23/2016	Lead	13	Copper	60			FLINT	48503
LG06285	1/30/2016	Lead	2	Copper	0			FLINT	
LG08289	2/3/2016	Lead	[redacted]	Copper	150			FLINT	48503
LG04240	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG02308	1/22/2016	Lead	1	Copper	50			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LG06996	2/1/2016	Lead	4	Copper	0			FLINT	48503
LG09136	2/4/2016	Lead	2	Copper	0			FLINT	48503
LG09940	2/5/2016	Lead	2	Copper	60			FLINT	48505
LG06873	2/1/2016	Lead	0	Copper	0			FLINT	48505
LF91279	11/9/2015	Lead	[redacted]	Copper	70			FLINT	48505
LG06066	1/29/2016	Lead	0	Copper	60			FLINT	48505
LG04252	1/26/2016	Lead	2	Copper	0			FLINT	48505
LG04107	1/26/2016	Lead	2	Copper	60			FLINT	48505
LG07859	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG01269	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG04394	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG06441	1/30/2016	Lead	1	Copper	50			FLINT	48505
LG04539	1/26/2016	Lead	5	Copper	0			FLINT	48507
LF85287	9/29/2015	Lead	13	Copper	120			FLINT	48507
LF93593	11/24/2015	Lead	0	Copper	0			FLINT	48507
LF99141	1/7/2016	Lead	8	Copper	80			FLINT	
LF97965	12/29/2015	Lead	1	Copper	80			FLINT	48507
LG10210	2/6/2016	Lead	2	Copper	0			FLINT	48507
LG02892	1/23/2016	Lead	2	Copper	70			FLINT	48507
LG02413	1/22/2016	Lead	[redacted]	Copper	570			FLINT	48507
LG05129	1/27/2016	Lead	3	Copper	70			FLINT	48507
LG06085	1/29/2016	Lead	4	Copper	0			FLINT	48507
LG05691	1/28/2016	Lead	0	Copper	90			FLINT	48507
LG04801	1/27/2016	Lead	4	Copper	70			FLINT	48507
LG07618	2/2/2016	Lead	[redacted]	Copper	540			FLINT	48507
LG00945	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG04924	1/27/2016	Lead	7	Copper	0			FLINT	48507
LG02877	1/23/2016	Lead	5	Copper	0			FLINT	48507
LG04763	1/27/2016	Lead	1	Copper	90			FLINT	48507
LG05306	1/27/2016	Lead	10	Copper	0			FLINT	48507
LG07855	2/2/2016	Lead	7	Copper	100			FLINT	48507
LG04081	1/26/2016	Lead	2	Copper	0			FLINT	48507
LG08422	2/3/2016	Lead	2	Copper	60			FLINT	48507
LG01628	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG01848	1/21/2016	Lead	0	Copper	0			FLINT	48507
LF88952	10/26/2015	Lead	0	Copper	0			FLINT	48507
LG02855	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG05964	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06887	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG06807	2/1/2016	Lead	2	Copper	0			FLINT	48507
LG08491	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG01944	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02813	1/23/2016	Lead	4	Copper	80			FLINT	48505
LG09264	2/4/2016	Lead	5	Copper	110			FLINT	48505
LG09341	2/4/2016	Lead	[redacted]	Copper	190			FLINT	48505
LG01496	1/21/2016	Lead	1	Copper	160			FLINT	48505
LG00943	1/20/2016	Lead	3	Copper	50			FLINT	
LG07846	2/2/2016	Lead	4	Copper	0			FLINT	48505
LG03022	1/24/2016	Lead	[redacted]	Copper	80			FLINT	48505
LG07565	2/2/2016	Lead	1	Copper	0			FLINT	48505
LG08665	2/3/2016	Lead	1	Copper	0			FLINT	48505
LG08652	2/3/2016	Lead	0	Copper	0		LVD	FLINT	48505
LF92712	11/18/2015	Lead	0	Copper	0		LVD	FLINT	48505
LG09651	2/5/2016	Lead	0	Copper	0		LVD	FLINT	48505
LG09207	2/4/2016	Lead	14	Copper	0		LVD	FLINT	48505
LG06107	1/29/2016	Lead	0	Copper	0		LVD	FLINT	48505
LG03737	1/25/2016	Lead	4	Copper	0		LVD	FLINT	48505
LG08454	2/3/2016	Lead	0	Copper	100		LVD	FLINT	48505
LG06229	1/29/2016	Lead	4	Copper	0		LVD	FLINT	48505
LG03723	1/25/2016	Lead	6	Copper	0		LVD	FLINT	48505
LG06635	1/31/2016	Lead	1	Copper	320		/E	FLINT	48503
LG09768	2/5/2016	Lead	1	Copper	210		'E	FLINT	48503
LG02371	1/22/2016	Lead	0	Copper	0		'E	FLINT	48503
LG07916	2/2/2016	Lead	6	Copper	0		'E	FLINT	48503
LG06335	1/30/2016	Lead	2	Copper	0		'E	FLINT	48503
LG10219	2/6/2016	Lead	[redacted]	Copper	70		'E	FLINT	48503
LG06205	1/29/2016	Lead	1	Copper	0		'E	FLINT	48503
LG01881	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG06499	1/31/2016	Lead	2	Copper	0			FLINT	48505
LG04948	1/27/2016	Lead	4	Copper	0			FLINT	48504
LG08581	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG06611	1/31/2016	Lead	0	Copper	0				48505
LG09942	2/5/2016	Lead	0	Copper	260		UE	FLINT	48505
LG09085	2/4/2016	Lead	2	Copper	280		DR	FLINT	48506
LG00948	1/20/2016	Lead	0	Copper	0		DR	FLINT	
LG09976	2/5/2016	Lead	0	Copper	140			BURTON	48529
LG04025	1/26/2016	Lead	1	Copper	0			FLINT	48505
LG07673	2/2/2016	Lead	1	Copper	0			FLINT	48505
LG07733	2/2/2016	Lead	3	Copper	0			FLINT	48505
LG00890	1/20/2016	Lead	0	Copper	0		D	FLINT	48505
LG09665	2/5/2016	Lead	3	Copper	0		D	FLINT	48505
LG05037	1/27/2016	Lead	7	Copper	0		D	FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG03772	1/25/2016	Lead	1	Copper	340		D	FLINT	48505
LG03774	1/25/2016	Lead	0	Copper	310		D	FLINT	48505
LG08534	2/3/2016	Lead	2	Copper	60		D	FLINT	48505
LG06101	1/29/2016	Lead	0	Copper	0		D	FLINT	48505
LG00853	1/20/2016	Lead	0	Copper	0		D	FLINT	48505
LG01498	1/21/2016	Lead	0	Copper	70		D	FLINT	48505
LG01553	1/21/2016	Lead	0	Copper	0		D	FLINT	48506
LG07524	2/2/2016	Lead	0	Copper	180		D	FLINT	48506
LG09338	2/4/2016	Lead	1	Copper	600			FLINT	48505
LG09886	2/5/2016	Lead	0	Copper	0		RD	FLINT	48505
LG02386	1/22/2016	Lead	0	Copper	0		RD	FLINT	48506
LG10469	2/7/2016	Lead	0	Copper	0			BURTON	48529
LG09141	2/4/2016	Lead	2	Copper	0			FLINT	48503
LF97321	12/18/2015	Lead	0	Copper	0			FLINT	48503
LG09664	2/5/2016	Lead	2	Copper	0			FLINT	48503
LG09182	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG02394	1/22/2016	Lead	0	Copper	300			FLINT	48506
LF97951	12/29/2015	Lead	0	Copper	0			FLINT	
LG06514	1/31/2016	Lead	0	Copper	0			FLINT	48502
LG06057	1/29/2016	Lead	0	Copper	0		141	FLINT	
LF97334	12/18/2015	Lead	3	Copper	0		07	FLINT	48502
LG01993	1/21/2016	Lead	0	Copper	0		01	FLINT	48503
LG06732	2/1/2016	Lead	3	Copper	0			FLINT	48502
LG02122	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG01541	1/21/2016	Lead	2	Copper	0			FLINT	48503
LF87415	10/13/2015	Lead	0	Copper	0			FLINT	48503
LG08766	2/3/2016	Lead	0	Copper	50			FLINT	48503
LG05932	1/29/2016	Lead	1	Copper	0			FLINT	48503
LG02983	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG09323	2/4/2016	Lead	1	Copper	0			FLINT	48503
LG09324	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG04809	1/27/2016	Lead	[redacted]	Copper	190			FLINT	48503
LG08371	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG01354	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG10474	2/7/2016	Lead	0	Copper	0			FLINT	48503
LF95915	12/10/2015	Lead	9	Copper	0			FLINT	48503
LG10492	2/7/2016	Lead	6	Copper	0			FLINT	48503
LG05973	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG10197	2/6/2016	Lead	12	Copper	120			FLINT	48503
LG06533	1/31/2016	Lead	2	Copper	100			FLINT	48503
LG06371	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG00551	1/19/2016	Lead	1	Copper	0			FLINT	
LG09867	2/5/2016	Lead	1	Copper	0			FLINT	48503
LG03791	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03113	1/24/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG01777	1/21/2016	Lead	6	Copper	0			FLINT	48503
LG06519	1/31/2016	Lead	5	Copper	0			FLINT	48503
LG05926	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05095	1/27/2016	Lead	0	Copper	190			FLINT	48506
LF87051	10/8/2015	Lead	0	Copper	110			FLINT	48506
LF92737	11/18/2015	Lead	0	Copper	160			FLINT	48503
LG04073	1/26/2016	Lead	0	Copper	160			FLINT	48503
LG04071	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG06260	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG05607	1/28/2016	Lead	1	Copper	0			FLINT	48503
LF93594	11/24/2015	Lead	0	Copper	90			FLINT	48503
LF91270	11/9/2015	Lead	2	Copper	60			FLINT	48503
LG04553	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG06282	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG03124	1/24/2016	Lead	0	Copper	130			FLINT	
LG06552	1/31/2016	Lead	2	Copper	0			FLINT	48502
LG07477	2/2/2016	Lead	3	Copper	120			FLINT	48503
LG05946	1/29/2016	Lead	6	Copper	50			FLINT	48501
LG07442	2/2/2016	Lead	2	Copper	0			FLINT	48502
LG06641	1/31/2016	Lead	0	Copper	100			FLINT	48503
LG04872	1/27/2016	Lead	0	Copper	250			FLINT	48503
LG01606	1/21/2016	Lead	1	Copper	0			FLINT	48502
LG06518	1/31/2016	Lead	0	Copper	120			FLINT	48503
LG01920	1/21/2016	Lead	0	Copper	120			FLINT	48503
LG02301	1/22/2016	Lead	2	Copper	0			FLINT	48502
LG10466	2/7/2016	Lead	0	Copper	130			FLINT	48503
LG01605	1/21/2016	Lead	0	Copper	160			FLINT	48503
LF97316	12/18/2015	Lead	2	Copper	0			FLINT	49502
LG05064	1/27/2016	Lead	0	Copper	0			FLINT	48502
LG00968	1/20/2016	Lead	1	Copper	50		E	FLINT	
LG09916	2/5/2016	Lead	0	Copper	350			FLINT	48502
LG01312	1/21/2016	Lead	0	Copper	170			FLINT	48503
LG00882	1/20/2016	Lead	3	Copper	0			FLINT	48503
LG01610	1/21/2016	Lead	3	Copper	210			FLINT	48503
LF99892	1/15/2016	Lead	6	Copper	0			FLINT	48502
LG05679	1/28/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG09660	2/5/2016	Lead	2	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LG02754	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG06988	2/1/2016	Lead	[redacted]	Copper	670			FLINT	48505
LG08613	2/3/2016	Lead	2	Copper	70		ST	FLINT	48505
LG04133	1/26/2016	Lead	2	Copper	0		ST	FLINT	
LG03094	1/24/2016	Lead	0	Copper	0		ST	FLINT	48505
LG04560	1/26/2016	Lead	2	Copper	0			FLINT	48505
LG02414	1/22/2016	Lead	[redacted]	Copper	170			FLINT	48505
LG05084	1/27/2016	Lead	1	Copper	0			FLINT	48505
LG02480	1/22/2016	Lead	4	Copper	50			FLINT	48505
LG09998	2/5/2016	Lead	[redacted]	Copper	380			FLINT	48505
LG07707	2/2/2016	Lead	2	Copper	0			FLINT	
LG07533	2/2/2016	Lead	0	Copper	60		T	FLINT	48505
LG04150	1/26/2016	Lead	0	Copper	0		VE	FLINT	48503
LG01316	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG09752	2/5/2016	Lead	12	Copper	170			FLINT	48503
LG05255	1/27/2016	Lead	0	Copper	0			FLINT	
LG02686	1/23/2016	Lead	0	Copper	0		E	FLINT	48505
LG07805	2/2/2016	Lead	0	Copper	110			FLINT	48503
LF99992	1/15/2016	Lead	0	Copper	170		T POLICE DEPT	FLINT	48502
LG09476	2/4/2016	Lead	4	Copper	120		VD	FLINT	48505
LG06073	1/29/2016	Lead	2	Copper	140		VD	FLINT	48505
LG08450	2/3/2016	Lead	8	Copper	0		VD	FLINT	
LG06044	1/29/2016	Lead	2	Copper	0		VD	FLINT	48505
LG06098	1/29/2016	Lead	4	Copper	70			FLINT	48503
LG00502	1/19/2016	Lead	2	Copper	0			FLINT	48503
LG08756	2/3/2016	Lead	1	Copper	140			FLINT	48503
LG08666	2/3/2016	Lead	14	Copper	80			FLINT	48503
LG09497	2/4/2016	Lead	8	Copper	100			FLINT	48505
LG06501	1/31/2016	Lead	3	Copper	320			FLINT	48505
LG06053	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG02473	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02850	1/23/2016	Lead	3	Copper	90			FLINT	48505
LG03818	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG09326	2/4/2016	Lead	0	Copper	240			FLINT	48505
LG07437	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG08518	2/3/2016	Lead	12	Copper	100			FLINT	48505
LG04523	1/26/2016	Lead	1	Copper	0			FLINT	48505
LG06068	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG09652	2/5/2016	Lead	4	Copper	0			FLINT	48505
LG10479	2/7/2016	Lead	0	Copper	0			FLINT	
LG08274	2/3/2016	Lead	[redacted]	Copper	80			FLINT	48505
LG01197	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG09077	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG08413	2/3/2016	Lead	2	Copper	0			FLINT	48505
LG06190	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG10008	2/5/2016	Lead	8	Copper	0			FLINT	48505
LG01636	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG03069	1/24/2016	Lead	0	Copper	80			FLINT	48505
LG06071	1/29/2016	Lead	9	Copper	0		ET	FLINT	48505
LG04587	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG07537	2/2/2016	Lead	0	Copper	560			FLINT	48505
LG08507	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08677	2/3/2016	Lead	4	Copper	0			FLINT	
LG02000	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02204	1/21/2016	Lead	3	Copper	0		VE	FLINT	48505
LG02674	1/23/2016	Lead	0	Copper	0		VE	FLINT	48505
LG02120	1/21/2016	Lead	0	Copper	0		VE	FLINT	
LG05947	1/29/2016	Lead	1	Copper	140		VE	FLINT	48505
LG09903	2/5/2016	Lead	3	Copper	0		VE	FLINT	48505
LG10487	2/7/2016	Lead	0	Copper	0	1	VE	FLINT	
LG04049	1/26/2016	Lead	15	Copper	80	1	VE	FLINT	48505
LG00900	1/20/2016	Lead	0	Copper	0	1	VE	FLINT	
LG09200	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09906	2/5/2016	Lead	5	Copper	450			FLINT	48505
LG09074	2/4/2016	Lead	[redacted]	Copper	270			FLINT	48505
LG09196	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09201	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09211	2/4/2016	Lead	[redacted]	Copper	180			FLINT	48505
LG09212	2/4/2016	Lead	0	Copper	60			FLINT	48505
LG09220	2/4/2016	Lead	8	Copper	0			FLINT	48505
LG09225	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09364	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09371	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09391	2/4/2016	Lead	4	Copper	0			FLINT	48505
LG09447	2/4/2016	Lead	1	Copper	0			FLINT	48505
LG09454	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG01984	1/21/2016	Lead	6	Copper	0	1		FLINT	48506
LF87420	10/13/2015	Lead	2	Copper	0	1		FLINT	48506
LG10565	2/7/2016	Lead	11	Copper	60	1		FLINT	48506
LG10144	2/6/2016	Lead	3	Copper	0	1		FLINT	48505
LG09070	2/4/2016	Lead	1	Copper	140	1		FLINT	48505
LG02745	1/23/2016	Lead	0	Copper	0	1		FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG05586	1/28/2016	Lead	2	Copper	100			FLINT	48506
LG05304	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG03481	1/25/2016	Lead	0	Copper	280			BURTON	48529
LG05516	1/28/2016	Lead	0	Copper	340			FLINT	48507
LG00536	1/19/2016	Lead	14	Copper	110			FLINT	48507
LF95928	12/10/2015	Lead	0	Copper	90			FLINT	48507
LG04603	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG07414	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG10225	2/6/2016	Lead	1	Copper	100			FLINT	48507
LG06261	1/30/2016	Lead	5	Copper	70			FLINT	48505
LG06957	2/1/2016	Lead	0	Copper	0		VE	FLINT	48505
LG06502	1/31/2016	Lead	2	Copper	0		VE	FLINT	48505
LG02087	1/21/2016	Lead	0	Copper	0		VE	FLINT	48505
LG07747	2/2/2016	Lead	3	Copper	0		VE	FLINT	48505
LG02131	1/21/2016	Lead	0	Copper	0		VE	FLINT	48505
LG08687	2/3/2016	Lead	3	Copper	110		VE	FLINT	48505
LG07444	2/2/2016	Lead	0	Copper	80		VE	FLINT	48505
LG08689	2/3/2016	Lead	0	Copper	540		VENUE	FLINT	48505
LG01449	1/21/2016	Lead	0	Copper	50			FLINT	48505
LG08304	2/3/2016	Lead	13	Copper	80			FLINT	48505
LG03790	1/25/2016	Lead	1	Copper	70			FLINT	48505
LG08449	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG10125	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG09252	2/4/2016	Lead	0	Copper	60			FLINT	48505
LG06272	1/30/2016	Lead	0	Copper	90			FLINT	48505
LG02691	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG09989	2/5/2016	Lead	2	Copper	0			FLINT	
LG04812	1/27/2016	Lead	0	Copper	130			FLINT	48505
LG06223	1/29/2016	Lead	1	Copper	0			BURTON	48529
LG07086	2/1/2016	Lead	1	Copper	0			FLINT	48503
LG07088	2/1/2016	Lead	3	Copper	190			FLINT	48503
LG08679	2/3/2016	Lead	0	Copper	280			FLINT	48503
LG08302	2/3/2016	Lead	13	Copper	430			FLINT	48503
LG01559	1/21/2016	Lead	0	Copper	0			FLINT	48503
LF87435	10/13/2015	Lead	4	Copper	240			FLINT	48503
LG08671	2/3/2016	Lead	0	Copper	300			FLINT	48503
LG08683	2/3/2016	Lead	0	Copper	160			FLINT	48503
LF87426	10/13/2015	Lead	[redacted]	Copper	270			FLINT	
LG08685	2/3/2016	Lead	[redacted]	Copper	710			FLINT	48503
LG05683	1/28/2016	Lead	0	Copper	100		#119	FLINT	48503
LF87425	10/13/2015	Lead	3	Copper	420		#2	FLINT	
LG09064	2/4/2016	Lead	2	Copper	0		TH AVE	FLINT	48503-2719
LG04093	1/26/2016	Lead	1	Copper	0		/	FLINT	48503
LG01233	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG04082	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG10246	2/6/2016	Lead	12	Copper	0			FLINT	48503
LG01981	1/21/2016	Lead	4	Copper	150		DR	FLINT	48503
LG01867	1/21/2016	Lead	7	Copper	80		DR	FLINT	48503
LG02851	1/23/2016	Lead	10	Copper	80		DR	FLINT	48503
LG08603	2/3/2016	Lead	3	Copper	140			FLINT	48505
LG07804	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG02758	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG01279	1/21/2016	Lead	0	Copper	100			FLINT	48505
LG02393	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG09376	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG08637	2/3/2016	Lead	0	Copper	0			FLINT	48505
LF92715	11/18/2015	Lead	0	Copper	0			FLINT	48505
LG00514	1/19/2016	Lead	6	Copper	0			FLINT	48505
LG04469	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG10223	2/6/2016	Lead	1	Copper	0			FLINT	48507
LG04494	1/26/2016	Lead	1	Copper	0			FLINT	48505
LG08668	2/3/2016	Lead	0	Copper	0		VE	FLINT	48505
LG09801	2/5/2016	Lead	0	Copper	0		VE	FLINT	48505
LG06116	1/29/2016	Lead	2	Copper	0		VE	FLINT	48505
LG03566	1/25/2016	Lead	3	Copper	0		VE	FLINT	48505
LG07782	2/2/2016	Lead	0	Copper	150		VE	FLINT	48505
LG08394	2/3/2016	Lead	3	Copper	60		VE	FLINT	
LG06050	1/29/2016	Lead	3	Copper	0		ST	FLINT	48505
LG04121	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG06280	1/30/2016	Lead	10	Copper	0			FLINT	48505
LG01665	1/21/2016	Lead	6	Copper	0			FLINT	48505
LG05203	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG01757	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02506	1/22/2016	Lead	1	Copper	0			FLINT	48505
LG05254	1/27/2016	Lead	4	Copper	0			FLINT	48505
LG02982	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG02984	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG07830	2/2/2016	Lead	0	Copper	50			FLINT	48505
LG04860	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04862	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG06018	1/29/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG08430	2/3/2016	Lead	8	Copper	60			FLINT	48503
LG07401	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG09389	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG05605	1/28/2016	Lead	0	Copper	80			FLINT	48505
LG01219	1/21/2016	Lead	2	Copper	0		E	FLINT	48505
LG03114	1/24/2016	Lead	0	Copper	0		E	FLINT	48505
LG01869	1/21/2016	Lead	0	Copper	0		VE	FLINT	48505
LG07903	2/2/2016	Lead	7	Copper	110			FLINT	48505
LG05278	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG09393	2/4/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG09384	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG07856	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG04922	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04767	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG08260	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG04302	1/26/2016	Lead	1	Copper	0		BLVD	FLINT	48505
LG07509	2/2/2016	Lead	0	Copper	0		BLVD	FLINT	48505
LG07860	2/2/2016	Lead	0	Copper	0		BLVD	FLINT	
LG05531	1/28/2016	Lead	0	Copper	0		BLVD	FLINT	48505
LG06982	2/1/2016	Lead	0	Copper	0		BLVD	FLINT	48505
LG07888	2/2/2016	Lead	2	Copper	160		BLVD	FLINT	48505
LG02575	1/22/2016	Lead	1	Copper	110		BLVD	FLINT	48505
LG01801	1/21/2016	Lead	0	Copper	0		BLVD	FLINT	
LG05077	1/27/2016	Lead	0	Copper	50			FLINT	48506
LG05451	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG03752	1/25/2016	Lead	[redacted]	Copper	300			FLINT	48505
LG08594	2/3/2016	Lead	0	Copper	80			FLINT	48505
LG06049	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06051	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG01472	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG09758	2/5/2016	Lead	0	Copper	70			FLINT	48506
LG07662	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG06760	2/1/2016	Lead	0	Copper	60			FLINT	
LG01218	1/21/2016	Lead	4	Copper	60			FLINT	48506
LG06669	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG08324	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG06861	2/1/2016	Lead	0	Copper	0			FLINT	48505
LF97337	12/18/2015	Lead	0	Copper	0			FLINT	48505
LG03813	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG10603	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG10605	2/7/2016	Lead	2	Copper	0			FLINT	48505
LG01802	1/21/2016	Lead	0	Copper	0			FLINT	
LG09283	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG04804	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04796	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG03797	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG01844	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01845	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG00612	1/19/2016	Lead	0	Copper	0			FLINT	48505
LG02356	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG10094	2/6/2016	Lead	2	Copper	0			FLINT	48505
LG07880	2/2/2016	Lead	2	Copper	60			FLINT	48505
LG00888	1/20/2016	Lead	2	Copper	0			FLINT	48505
LG01007	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG10203	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG02349	1/22/2016	Lead	1	Copper	70		VE	FLINT	48505
LG09742	2/5/2016	Lead	0	Copper	0		VE	FLINT	48505
LG09406	2/4/2016	Lead	6	Copper	70		VE	FLINT	48505
LF99999	1/15/2016	Lead	3	Copper	0		VE		48505
LG08798	2/3/2016	Lead	2	Copper	0		VE	FLINT	48505
LG09941	2/5/2016	Lead	0	Copper	0		VE	FLINT	48505
LG00869	1/20/2016	Lead	0	Copper	0		VE	FLINT	48505
LG00901	1/20/2016	Lead	4	Copper	0		VE	FLINT	48505
LG09347	2/4/2016	Lead	3	Copper	0			FLINT	48505
LG02612	1/22/2016	Lead	2	Copper	0			FLINT	48505
LG02494	1/22/2016	Lead	1	Copper	70		E	FLINT	48505
LG07564	2/2/2016	Lead	3	Copper	0			FLINT	48507
LG09710	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG02940	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG00914	1/20/2016	Lead	4	Copper	220			FLINT	48505
LG09837	2/5/2016	Lead	2	Copper	0			FLINT	48505
LG02223	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG01227	1/21/2016	Lead	2	Copper	60			FLINT	48505
LG09827	2/5/2016	Lead	[redacted]	Copper	920			FLINT	48505
LG01497	1/21/2016	Lead	6	Copper	50			FLINT	48505
LG07918	2/2/2016	Lead	0	Copper	210			BURTON	48529
LG08747	2/3/2016	Lead	1	Copper	0			FLINT	48503
LF99962	1/15/2016	Lead	0	Copper	60			FLINT	48502
LF99967	1/15/2016	Lead	0	Copper	0			FLINT	48502
LG08404	2/3/2016	Lead	0	Copper	60			FLINT	48502
LG03571	1/25/2016	Lead	0	Copper	0			FLINT	48502
LG04768	1/27/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG06445	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG05954	1/29/2016	Lead	4	Copper	60			FLINT	48503
LF87933	10/16/2015	Lead	2	Copper	0			FLINT	48503
LG02720	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG04032	1/26/2016	Lead	4	Copper	0			FLINT	48503
LG06517	1/31/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG04078	1/26/2016	Lead	2	Copper	80			FLINT	48503
LG00605	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG10470	2/7/2016	Lead	[redacted]	Copper	0		T 215	FLINT	48503
LG08286	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG04877	1/27/2016	Lead	8	Copper	0			FLINT	48503
LF84896	9/25/2015	Lead	1	Copper	0			FLINT	48505
LG02714	1/23/2016	Lead	0	Copper	0		E	FLINT	48505
LG04950	1/27/2016	Lead	0	Copper	50		E	FLINT	
LG02707	1/23/2016	Lead	[redacted]	Copper	0			FLINT	
LG09877	2/5/2016	Lead	2	Copper	180			FLINT	48503
LG05475	1/28/2016	Lead	[redacted]	Copper	120			FLINT	48505
LF91288	11/9/2015	Lead	2	Copper	80			FLINT	48505
LG09894	2/5/2016	Lead	6	Copper	60			FLINT	48505
LG05080	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG01495	1/21/2016	Lead	3	Copper	70			FLINT	48505
LG07752	2/2/2016	Lead	1	Copper	0			FLINT	48505
LG06989	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG05243	1/27/2016	Lead	0	Copper	0			FLINT	48505
LF88966	10/26/2015	Lead	3	Copper	100			FLINT	48505
LG07779	2/2/2016	Lead	3	Copper	90			FLINT	48503
LG02306	1/22/2016	Lead	0	Copper	180			FLINT	48503
LG07096	2/1/2016	Lead	[redacted]	Copper	0		#1	FLINT	48503
LG04535	1/26/2016	Lead	10	Copper	0			FLINT	48503
LG08355	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG10171	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10181	2/6/2016	Lead	3	Copper	70			FLINT	
LG04389	1/26/2016	Lead	0	Copper	100			FLINT	48505
LF85609	9/30/2015	Lead	4	Copper	0			FLINT	48502
LF85608	9/30/2015	Lead	1	Copper	0			FLINT	48502
LG02317	1/22/2016	Lead	3	Copper	0			FLINT	48505
LG08706	2/3/2016	Lead	1	Copper	0			FLINT	48505
LG06131	1/29/2016	Lead	10	Copper	310			FLINT	48505
LG02057	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG05997	1/29/2016	Lead	5	Copper	160			FLINT	48503
LG04385	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG03026	1/24/2016	Lead	3	Copper	0			FLINT	48505
LF86482	10/6/2015	Lead	0	Copper	0			FLINT	48505
LG08708	2/3/2016	Lead	[redacted]	Copper	360			FLINT	48503
LG03568	1/25/2016	Lead	8	Copper	0			FLINT	48503
LF88960	10/26/2015	Lead	[redacted]	Copper	550			FLINT	48503
LG07492	2/2/2016	Lead	6	Copper	100			FLINT	48503
LG02030	1/21/2016	Lead	11	Copper	0			FLINT	48503
LG06143	1/29/2016	Lead	[redacted]	Copper	290			FLINT	48503
LG08517	2/3/2016	Lead	1	Copper	0			FLINT	48505
LG06000	1/29/2016	Lead	0	Copper	90			FLINT	48505
LG02477	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG03153	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG06134	1/29/2016	Lead	2	Copper	0			FLINT	48505
LG02224	1/21/2016	Lead	2	Copper	130			FLINT	48505
LG02722	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG04357	1/26/2016	Lead	0	Copper	160			FLINT	48505
LG03550	1/25/2016	Lead	2	Copper	70		BLVD	FLINT	48505
LG01387	1/21/2016	Lead	0	Copper	0		VE	FLINT	48503
LG03657	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG04270	1/26/2016	Lead	3	Copper	130		DR	FLINT	48503
LG03016	1/24/2016	Lead	4	Copper	0			FLINT	48503
LG03012	1/24/2016	Lead	5	Copper	0			FLINT	48505
LG01377	1/21/2016	Lead	0	Copper	0		/E	FLINT	48505
LG02588	1/22/2016	Lead	1	Copper	0		/E	FLINT	48505
LG09229	2/4/2016	Lead	0	Copper	0		VE	FLINT	48505
LG02554	1/22/2016	Lead	2	Copper	0		VE	FLINT	48506
LG02555	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG04267	1/26/2016	Lead	[redacted]	Copper	220		D	BURTON	48505
LG04312	1/26/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG04415	1/26/2016	Lead	5	Copper	0		AVE	FLINT	48505
LG04367	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG02604	1/22/2016	Lead	[redacted]	Copper	0		E	FLINT	48505
LG03671	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03054	1/24/2016	Lead	0	Copper	0		E	FLINT	48505
LG03648	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG04343	1/26/2016	Lead	2	Copper	180		E	FLINT	48505
LG04290	1/26/2016	Lead	0	Copper	0		IA BLVD	FLINT	48505
LG03666	1/25/2016	Lead	0	Copper	0		IA BLVD	FLINT	48505
LG04361	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG01289	1/21/2016	Lead	0	Copper	50		AVE	FLINT	48505
LG03609	1/25/2016	Lead	11	Copper	300			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02538	1/22/2016	Lead	2	Copper	60			FLINT	48503
LG04337	1/26/2016	Lead	8	Copper	320			FLINT	48503
LG02579	1/22/2016	Lead	0	Copper	90			FLINT	48504
LG02825	1/23/2016	Lead	0	Copper	460			FLINT	48506
LG09261	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG04956	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG01437	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG10115	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG01950	1/21/2016	Lead	1	Copper	80			FLINT	48503
LG06572	1/31/2016	Lead	0	Copper	50			FLINT	48503
LG02150	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG05768	1/28/2016	Lead	1	Copper	160			FLINT	48505
LG03468	1/25/2016	Lead	3	Copper	0			FLINT	
LG06411	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG00553	1/19/2016	Lead	0	Copper	0				
LF94266	12/2/2015	Lead	3	Copper	0			FLINT	48503
LF89527	10/30/2015	Lead	0	Copper	0			FLINT	48503
LG05528	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG07796	2/2/2016	Lead	3	Copper	0			FLINT	48503
LG04045	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG10537	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG02405	1/22/2016	Lead	0	Copper	70			FLINT	48503
LG08596	2/3/2016	Lead	2	Copper	0			FLINT	48505
LG06138	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG05128	1/27/2016	Lead	0	Copper	0				
LG07738	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG06188	1/29/2016	Lead	0	Copper	0				48503
LG07664	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07464	2/2/2016	Lead	0	Copper	80			FLINT	48507
LG10559	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG10607	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG07584	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG01725	1/21/2016	Lead	8	Copper	190			FLINT	48505
LG07504	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG03560	1/25/2016	Lead	2	Copper	110			FLINT	48505
LG01332	1/21/2016	Lead	3	Copper	110			FLINT	48505
LG08681	2/3/2016	Lead	0	Copper	50			FLINT	
LG08740	2/3/2016	Lead	0	Copper	0			FLINT	
LG10139	2/6/2016	Lead	0	Copper	0			FLINT	
LG10000	2/5/2016	Lead	2	Copper	120			FLINT	48505
LG00827	1/20/2016	Lead	3	Copper	0			FLINT	48505
LG00877	1/20/2016	Lead	4	Copper	0			FLINT	48505
LG08568	2/3/2016	Lead	0	Copper	130			FLINT	48505
LG03643	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG01464	1/21/2016	Lead	0	Copper	240			FLINT	48505
LG06064	1/29/2016	Lead	1	Copper	0			FLINT	48505
LG07792	2/2/2016	Lead	0	Copper	50			FLINT	48505
LG03572	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG04227	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG10195	2/6/2016	Lead	1	Copper	0			FLINT	48503
LG10111	2/6/2016	Lead	1	Copper	50			FLINT	48509
LG09896	2/5/2016	Lead	0	Copper	0			FLINT	48503
LF97335	12/18/2015	Lead	0	Copper	90			FLINT	48503
LG02443	1/22/2016	Lead	11	Copper	0			FLINT	48503
LG01761	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02448	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02445	1/22/2016	Lead	0	Copper	170			FLINT	48503
LG02449	1/22/2016	Lead	2	Copper	0			FLINT	48503
LF93569	11/24/2015	Lead	0	Copper	0			FLINT	48503
LG04889	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG09730	2/5/2016	Lead	0	Copper	270			FLINT	48505
LG04317	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04223	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG06279	1/30/2016	Lead	3	Copper	50			FLINT	48502
LG06731	2/1/2016	Lead	7	Copper	290			FLINT	48505
LG09089	2/4/2016	Lead	2	Copper	0			FLINT	48505
LG09329	2/4/2016	Lead	3	Copper	0			FLINT	48505
LG09716	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG01515	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG10062	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG08388	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG02164	1/21/2016	Lead	3	Copper	50			FLINT	48503
LG01649	1/21/2016	Lead	1	Copper	90			FLINT	48506
LG08658	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG06978	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG02392	1/22/2016	Lead	8	Copper	0			FLINT	48506
LG05444	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG01678	1/21/2016	Lead	1	Copper	50			FLINT	48503
LG05486	1/28/2016	Lead	0	Copper	60			FLINT	48503
LG08786	2/3/2016	Lead	0	Copper	0			FLINT	48503
LF99942	1/15/2016	Lead	2	Copper	0				
LG07951	2/2/2016	Lead	1	Copper	60			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG06860	2/1/2016	Lead	0	Copper	0		ECKLEY AVE	FLINT	48503
LG04192	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04195	1/26/2016	Lead	3	Copper	80			FLINT	48503
LG03063	1/24/2016	Lead	0	Copper	80			FLINT	48503
LG06339	1/30/2016	Lead	11	Copper	230		JE	FLINT	48503
LG06344	1/30/2016	Lead	[redacted]	Copper	50		JE	FLINT	48503
LG07525	2/2/2016	Lead	0	Copper	330			FLINT	48503
LG10167	2/6/2016	Lead	0	Copper	0			FLINT	
LG10198	2/6/2016	Lead	1	Copper	0			FLINT	
LG10063	2/6/2016	Lead	0	Copper	0			FLINT	48503
LF97931	12/29/2015	Lead	0	Copper	0			FLINT	48505
LF97936	12/29/2015	Lead	0	Copper	0			FLINT	48505
LF97953	12/29/2015	Lead	0	Copper	0			FLINT	
LF87403	10/13/2015	Lead	[redacted]	Copper	80		DR	FLINT	48505
LF97930	12/29/2015	Lead	0	Copper	0		DR	FLINT	
LF97940	12/29/2015	Lead	0	Copper	0		DR	FLINT	
LF97958	12/29/2015	Lead	0	Copper	0		DR	FLINT	48505
LG09357	2/4/2016	Lead	0	Copper	0		DRIVE	FLINT	48505
LG07711	2/2/2016	Lead	0	Copper	0		R	FLINT	48505
LG08575	2/3/2016	Lead	0	Copper	80			FLINT	48503
LG04205	1/26/2016	Lead	0	Copper	90		VE	FLINT	
LG07610	2/2/2016	Lead	0	Copper	0		DR	FLINT	
LG00921	1/20/2016	Lead	9	Copper	60			FLINT	48507
LG06792	2/1/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG06933	2/1/2016	Lead	4	Copper	90			FLINT	48507
LG10109	2/6/2016	Lead	0	Copper	360			FLINT	48507
LG10260	2/6/2016	Lead	0	Copper	160			FLINT	48507
LG04287	1/26/2016	Lead	0	Copper	80			FLINT	48505
LG07785	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG08460	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG03761	1/25/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG10055	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG04276	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG04286	1/26/2016	Lead	2	Copper	0			FLINT	48505
LG04306	1/26/2016	Lead	[redacted]	Copper	110			FLINT	48505
LG04463	1/26/2016	Lead	1	Copper	0		ET	FLINT	48505
LG05564	1/28/2016	Lead	2	Copper	0				
LG06845	2/1/2016	Lead	0	Copper	0			FLINT	48505
LF99142	1/7/2016	Lead	2	Copper	0			FLINT	
LF99974	1/15/2016	Lead	0	Copper	0			FLINT	48505
LF87384	10/13/2015	Lead	1	Copper	50			FLINT	48505
LG03780	1/25/2016	Lead	0	Copper	90			FLINT	
LG05099	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG02737	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG00855	1/20/2016	Lead	2	Copper	0		ENUE	FLINT	
LG03579	1/25/2016	Lead	0	Copper	0		ENUE	FLINT	48505
LG05467	1/28/2016	Lead	2	Copper	60			FLINT	48505
LG05177	1/27/2016	Lead	0	Copper	360			FLINT	48506
LG02526	1/22/2016	Lead	0	Copper	0		E	FLINT	48506
LG05004	1/27/2016	Lead	0	Copper	90		R	FLINT	48504
LG09474	2/4/2016	Lead	3	Copper	60			FLINT	48504
LG06369	1/30/2016	Lead	1	Copper	80			FLINT	48504
LG01184	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG06576	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG09861	2/5/2016	Lead	0	Copper	130			FLINT	48504
LG06940	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG02036	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG05565	1/28/2016	Lead	0	Copper	100			FLINT	48504
LF99990	1/15/2016	Lead	0	Copper	50				
LG06981	2/1/2016	Lead	4	Copper	0		IVE	FLINT	48504
LG10220	2/6/2016	Lead	0	Copper	220		IVE	FLINT	48504
LG07840	2/2/2016	Lead	2	Copper	0		IVE F	FLINT	
LG09744	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG03518	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG07653	2/2/2016	Lead	0	Copper	0			FLUSHING	48433
LF92702	11/18/2015	Lead	0	Copper	0			FLINT	
LF92703	11/18/2015	Lead	1	Copper	0			FLINT	48505
LG07990	2/2/2016	Lead	0	Copper	0		VE	FLINT	48505
LG06324	1/30/2016	Lead	0	Copper	0			FLINT	48504
LG01490	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG08728	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG10077	2/6/2016	Lead	0	Copper	70			FLINT	
LF87015	10/8/2015	Lead	1	Copper	60			FLINT	48506
LG10081	2/6/2016	Lead	0	Copper	0			FLINT	48506
LF97331	12/18/2015	Lead	8	Copper	0			FLINT	
LG01550	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG06359	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG04251	1/26/2016	Lead	0	Copper	60			FLINT	48506
LG08283	2/3/2016	Lead	1	Copper	0			FLINT	48506
LG02867	1/23/2016	Lead	3	Copper	120			FLINT	48507
LG09798	2/5/2016	Lead	0	Copper	0	[redacted]		FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG03441	1/25/2016	Lead	0	Copper	0		FLINT	48506
LG09757	2/5/2016	Lead	0	Copper	0		FLINT	48506
LG06312	1/30/2016	Lead	0	Copper	0		FLINT	48506
LG04522	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG06039	1/29/2016	Lead	0	Copper	0		FLINT	48506
LG00919	1/20/2016	Lead	4	Copper	0		FLINT	48505
LG04377	1/26/2016	Lead	0	Copper	0		FLINT	48505
LG00519	1/19/2016	Lead	[redacted]	Copper	0		FLINT	48505
LG07539	2/2/2016	Lead	3	Copper	140		FLINT	48505
LG04231	1/26/2016	Lead	[redacted]	Copper	0		FLINT	48503
LG06381	1/30/2016	Lead	1	Copper	70		FLINT	48503
LG01202	1/21/2016	Lead	0	Copper	0	/E	FLINT	48503
LG07671	2/2/2016	Lead	0	Copper	0	/E #2	FLINT	48503
LG06991	2/1/2016	Lead	0	Copper	130	ARKWAY	FLINT	48503
LG08698	2/3/2016	Lead	0	Copper	0	ARKWAY	FLINT	48503
LG00907	1/20/2016	Lead	0	Copper	0	CWY	FLINT	48503
LG09856	2/5/2016	Lead	0	Copper	0	CWY	FLINT	
LG09334	2/4/2016	Lead	1	Copper	0	CWY	FLINT	48503
LG10015	2/5/2016	Lead	1	Copper	70		FLINT	48503
LG02313	1/22/2016	Lead	0	Copper	0		FLINT	48503
LG08299	2/3/2016	Lead	2	Copper	0		FLINT	48503
LG09450	2/4/2016	Lead	1	Copper	0		FLINT	48503
LG10076	2/6/2016	Lead	0	Copper	0		FLINT	48506
LG02837	1/23/2016	Lead	0	Copper	0		FLINT	48505
LG04807	1/27/2016	Lead	0	Copper	170		FLINT	48503
LG10217	2/6/2016	Lead	0	Copper	0		FLINT	48532
LG06465	1/30/2016	Lead	6	Copper	0		FLINT	48503
LG02044	1/21/2016	Lead	1	Copper	0		FLINT	48503
LG09725	2/5/2016	Lead	0	Copper	70		FLINT	48503
LG06160	1/29/2016	Lead	0	Copper	100		FLINT	48503
LG02442	1/22/2016	Lead	1	Copper	80		FLINT	48503
LG05276	1/27/2016	Lead	0	Copper	80		FLINT	48503
LG06927	2/1/2016	Lead	0	Copper	90		FLINT	48503
LG09885	2/5/2016	Lead	0	Copper	0		FLINT	48503
LG01186	1/21/2016	Lead	0	Copper	60		FLINT	48504
LG01632	1/21/2016	Lead	0	Copper	70		FLINT	48507
LG03525	1/25/2016	Lead	0	Copper	0		FLINT	48503
LG08477	2/3/2016	Lead	3	Copper	60		FLINT	48507
LG04023	1/26/2016	Lead	0	Copper	0		FLINT	
LG04024	1/26/2016	Lead	1	Copper	0		FLINT	48507
LG06798	2/1/2016	Lead	0	Copper	0		FLINT	48507
LG07056	2/1/2016	Lead	[redacted]	Copper	100		FLINT	48507
LG07456	2/2/2016	Lead	0	Copper	0		FLINT	
LG07461	2/2/2016	Lead	11	Copper	50		FLINT	48507
LG02798	1/23/2016	Lead	0	Copper	0		FLINT	48507
LG08548	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG06295	1/30/2016	Lead	[redacted]	Copper	200		FLINT	48507
LG07729	2/2/2016	Lead	6	Copper	210		FLINT	48507
LG07754	2/2/2016	Lead	0	Copper	0		FLINT	48507
LF99995	1/15/2016	Lead	0	Copper	60		FLINT	48507
LG06598	1/31/2016	Lead	0	Copper	0		FLINT	48507
LG07961	2/2/2016	Lead	5	Copper	0		FLINT	48507
LG02210	1/21/2016	Lead	0	Copper	60		FLINT	48507
LG10172	2/6/2016	Lead	0	Copper	0	)	FLINT	48507
LG07761	2/2/2016	Lead	3	Copper	210	)	FLINT	48507
LG00922	1/20/2016	Lead	3	Copper	70	LE	FLINT	48503
LG09158	2/4/2016	Lead	4	Copper	60		FLINT	48503
LF94271	12/2/2015	Lead	12	Copper	70		FLINT	48503
LG03768	1/25/2016	Lead	11	Copper	120		FLINT	48503
LG04779	1/27/2016	Lead	0	Copper	200		FLINT	48503
LG03814	1/25/2016	Lead	3	Copper	120		FLINT	48503
LG03817	1/25/2016	Lead	9	Copper	100		FLINT	48503
LF94264	12/2/2015	Lead	3	Copper	240	ACE	FLINT	48503
LG03806	1/25/2016	Lead	[redacted]	Copper	210	ACE	FLINT	48503
LG07505	2/2/2016	Lead	5	Copper	110	ACE	FLINT	48503
LG03816	1/25/2016	Lead	5	Copper	150	ACE	FLINT	48503
LF94268	12/2/2015	Lead	2	Copper	70	ACE	FLINT	48503
LG05921	1/29/2016	Lead	[redacted]	Copper	690	ACE	FLINT	48503
LF95908	12/10/2015	Lead	[redacted]	Copper	0		FLINT	48503
LG06914	2/1/2016	Lead	6	Copper	0		FLINT	48503
LG01380	1/21/2016	Lead	0	Copper	70		FLINT	48503
LG01179	1/21/2016	Lead	2	Copper	0		FLINT	48503
LG01551	1/21/2016	Lead	0	Copper	0		FLINT	48503
LG09463	2/4/2016	Lead	1	Copper	0		FLINT	48503
LG06556	1/31/2016	Lead	0	Copper	0		FLINT	48503
LG02789	1/23/2016	Lead	2	Copper	60	EET	FLINT	48503
LG02334	1/22/2016	Lead	0	Copper	80		FLINT	48504
LG10103	2/6/2016	Lead	0	Copper	130	OWNTOWN	FLINT	48503
LG06097	1/29/2016	Lead	0	Copper	220		FLINT	48503
LG09231	2/4/2016	Lead	0	Copper	90		FLINT	48503
LG06486	1/31/2016	Lead	0	Copper	50		FLINT	48503
LG00504	1/19/2016	Lead	2	Copper	0		FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG04362	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG06540	1/31/2016	Lead	1	Copper	0			FLINT	48504
LG06836	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG06508	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG01598	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG04381	1/26/2016	Lead	2	Copper	0			FLINT	48504
LG10002	2/5/2016	Lead	3	Copper	90			FLINT	48504
LG06306	1/30/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG06839	2/1/2016	Lead	[redacted]	Copper	110			FLINT	48504
LG06615	1/31/2016	Lead	6	Copper	0			FLINT	48504
LG07871	2/2/2016	Lead	[redacted]	Copper	50			FLINT	
LG03526	1/25/2016	Lead	0	Copper	60			FLINT	48504
LG02716	1/23/2016	Lead	12	Copper	100			FLINT	48504
LG02755	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG09778	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG06922	2/1/2016	Lead	0	Copper	140			FLINT	48504
LG07836	2/2/2016	Lead	4	Copper	0			FLINT	48504
LG06284	1/30/2016	Lead	0	Copper	0			FLINT	
LG05753	1/28/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG07818	2/2/2016	Lead	1	Copper	70			FLINT	48504
LG00841	1/20/2016	Lead	0	Copper	0			FLINT	48504-706
LG02218	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG10012	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG05566	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG08763	2/3/2016	Lead	1	Copper	0			FLINT	48504
LF92725	11/18/2015	Lead	0	Copper	50			FLINT	48504
LG01258	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG06999	2/1/2016	Lead	1	Copper	0			FLINT	48504
LG06040	1/29/2016	Lead	1	Copper	0			FLINT	48504
LG07597	2/2/2016	Lead	0	Copper	100			FLINT	48504
LG09481	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG05526	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05044	1/27/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG01784	1/21/2016	Lead	4	Copper	0			FLINT	48504
LG10143	2/6/2016	Lead	0	Copper	0			FLINT	48503
LF97943	12/29/2015	Lead	6	Copper	160			FLINT	
LF87436	10/13/2015	Lead	3	Copper	120			FLINT	48503
LG04574	1/26/2016	Lead	0	Copper	60		E DR	FLINT	48503
LG08736	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG07036	2/1/2016	Lead	0	Copper	0			FLINT	48504
LF88964	10/26/2015	Lead	6	Copper	0			FLINT	48504
LG00610	1/19/2016	Lead	3	Copper	0			FLINT	48504
LG01439	1/21/2016	Lead	0	Copper	110			FLINT	48504
LG02688	1/23/2016	Lead	0	Copper	0			FLINT	48504
LF89528	10/30/2015	Lead	0	Copper	0			FLINT	48504
LG02483	1/22/2016	Lead	0	Copper	60			FLINT	48504
LG05089	1/27/2016	Lead	0	Copper	100			FLINT	48504
LG08383	2/3/2016	Lead	1	Copper	630			FLINT	48504
LG07451	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG10256	2/6/2016	Lead	[redacted]	Copper	190	G		FLINT	48504
LG01776	1/21/2016	Lead	0	Copper	60			FLINT	
LG01633	1/21/2016	Lead	1	Copper	0		)	FLINT	48504
LG10546	2/7/2016	Lead	0	Copper	0		)	FLINT	48504
LG09735	2/5/2016	Lead	2	Copper	60			FLINT	48504
LG06947	2/1/2016	Lead	5	Copper	0			FLINT	48504
LF99917	1/15/2016	Lead	8	Copper	210				
LG06464	1/30/2016	Lead	0	Copper	120			FLINT	48504
LG06416	1/30/2016	Lead	4	Copper	0			FLINT	48504
LG10555	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG10179	2/6/2016	Lead	3	Copper	0			FLINT	48504
LG01893	1/21/2016	Lead	13	Copper	730		E	FLINT	48504
LG07019	2/1/2016	Lead	4	Copper	200		E	FLINT	48504
LG03588	1/25/2016	Lead	0	Copper	0		E	FLINT	48504
LG07793	2/2/2016	Lead	0	Copper	0		E	FLINT	48504
LG03160	1/24/2016	Lead	4	Copper	120		E	FLINT	48504
LG05246	1/27/2016	Lead	1	Copper	0		E	FLINT	48504
LG05259	1/27/2016	Lead	1	Copper	100		E	FLINT	48504
LG06069	1/29/2016	Lead	6	Copper	0		E	FLINT	48504
LG05711	1/28/2016	Lead	0	Copper	0		E	FLINT	48504
LG01798	1/21/2016	Lead	4	Copper	50		E	FLINT	48504
LG01483	1/21/2016	Lead	[redacted]	Copper	0		E	FLINT	48504
LG01589	1/21/2016	Lead	[redacted]	Copper	420		E	FLINT	48504
LG05743	1/28/2016	Lead	0	Copper	0		E	FLINT	48504
LG06074	1/29/2016	Lead	4	Copper	60		E	FLINT	48504
LG05930	1/29/2016	Lead	2	Copper	60		E	FLINT	48504
LF87400	10/13/2015	Lead	2	Copper	0			FLINT	48504
LG04818	1/27/2016	Lead	2	Copper	90		E	FLINT	48504
LG03800	1/25/2016	Lead	2	Copper	70		E	FLINT	48504
LG04958	1/27/2016	Lead	0	Copper	70			FLINT	48505
LF95931	12/10/2015	Lead	6	Copper	0			FLINT	48505
LG09822	2/5/2016	Lead	3	Copper	70			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LG09259	2/4/2016	Lead	0	Copper	170			FLINT	48503
LG02404	1/22/2016	Lead	5	Copper	320			FLINT	48503
LF85611	9/30/2015	Lead	[redacted]	Copper	570			FLINT	48503
LG10530	2/7/2016	Lead	2	Copper	0				48507
LG10566	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG02723	1/23/2016	Lead	0	Copper	0		LE	FLINT	48503
LG02896	1/23/2016	Lead	0	Copper	50		LE	FLINT	48503
LG04042	1/26/2016	Lead	0	Copper	160			FLINT	48503
LG09668	2/5/2016	Lead	1	Copper	0			FLINT	48505
LF94298	12/2/2015	Lead	1	Copper	0			FLINT	48505
LG03014	1/24/2016	Lead	1	Copper	0		IE	FLINT	
LG02111	1/21/2016	Lead	1	Copper	0			FLINT	48504
LF87052	10/8/2015	Lead	11	Copper	0			FLINT	48504
LG06005	1/29/2016	Lead	5	Copper	0			FLINT	48504
LG09794	2/5/2016	Lead	5	Copper	100			FLINT	48504
LG04476	1/26/2016	Lead	8	Copper	0			FLINT	48504
LG01973	1/21/2016	Lead	[redacted]	Copper	880			FLINT	48504
LF87394	10/13/2015	Lead	0	Copper	230			FLINT	48504
LG09175	2/4/2016	Lead	0	Copper	130			FLINT	48504
LG00342	1/19/2016	Lead	4	Copper	0			FLINT	48504
LG10482	2/7/2016	Lead	6	Copper	90			FLINT	48504
LG08774	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG04552	1/26/2016	Lead	2	Copper	110			FLINT	48504
LG05202	1/27/2016	Lead	6	Copper	60			FLINT	
LG00896	1/20/2016	Lead	5	Copper	0			FLINT	48504
LG00567	1/19/2016	Lead	3	Copper	0			FLINT	48504
LG07080	2/1/2016	Lead	3	Copper	0			FLINT	48504
LG08754	2/3/2016	Lead	3	Copper	0			FLINT	48504
LG07516	2/2/2016	Lead	11	Copper	0			FLINT	48506
LG08515	2/3/2016	Lead	4	Copper	60			FLINT	48506
LG08615	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG05283	1/27/2016	Lead	0	Copper	90			FLINT	48532
LG08423	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG08461	2/3/2016	Lead	0	Copper	80			FLINT	48532
LG06216	1/29/2016	Lead	1	Copper	90			FLINT	48532
LG10130	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG09932	2/5/2016	Lead	13	Copper	0			FLINT	48505
LG04881	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG01410	1/21/2016	Lead	0	Copper	0			FLINT	
LG03471	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG01534	1/21/2016	Lead	4	Copper	70			FLINT	48507
LG02860	1/23/2016	Lead	12	Copper	90			FLINT	48507
LG03523	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG05582	1/28/2016	Lead	1	Copper	0			FLINT	48507
LG02861	1/23/2016	Lead	5	Copper	0			FLINT	48507
LG04850	1/27/2016	Lead	2	Copper	0			FLINT	48507
LG03535	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG04873	1/27/2016	Lead	0	Copper	90			FLINT	48504
LG06574	1/31/2016	Lead	0	Copper	160			FLINT	48504
LG07025	2/1/2016	Lead	6	Copper	80			FLINT	48504
LG06020	1/29/2016	Lead	0	Copper	80			FLINT	48504
LG02509	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02195	1/21/2016	Lead	2	Copper	50			FLINT	48504
LG05191	1/27/2016	Lead	1	Copper	0			FLINT	48504
LG01880	1/21/2016	Lead	0	Copper	90			FLINT	48504
LG03829	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG03634	1/25/2016	Lead	0	Copper	60			FLINT	48503
LG06571	1/31/2016	Lead	0	Copper	80			FLINT	48503
LG08315	2/3/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG03584	1/25/2016	Lead	6	Copper	120			FLINT	48503
LG09659	2/5/2016	Lead	0	Copper	80			FLINT	48503
LG09156	2/4/2016	Lead	10	Copper	50			FLINT	48503
LG04541	1/26/2016	Lead	11	Copper	0			FLINT	48503
LG07549	2/2/2016	Lead	3	Copper	80			FLINT	48503
LG10074	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG06985	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06393	1/30/2016	Lead	2	Copper	70			FLINT	48506
LG04297	1/26/2016	Lead	4	Copper	110			FLINT	48506
LG09806	2/5/2016	Lead	0	Copper	80			FLINT	48506
LG01476	1/21/2016	Lead	0	Copper	0			FLINT	
LG06885	2/1/2016	Lead	10	Copper	0			FLINT	48503
LF87418	10/13/2015	Lead	0	Copper	0			FLINT	48505
LG02580	1/22/2016	Lead	0	Copper	80			FLINT	48503
LF87434	10/13/2015	Lead	0	Copper	0			FLINT	48505
LG01516	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02671	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02977	1/24/2016	Lead	0	Copper	0			FLINT	48503
LF85601	9/30/2015	Lead	2	Copper	110			FLINT	48503
LF85605	9/30/2015	Lead	1	Copper	340			FLINT	48503
LG01303	1/21/2016	Lead	1	Copper	70			FLINT	48503
LG03083	1/24/2016	Lead	2	Copper	120			FLINT	48503
LF97937	12/29/2015	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG10112	2/6/2016	Lead	3	Copper	0			FLINT	48503
LG05681	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG02029	1/21/2016	Lead	0	Copper	90		2	FLINT	48503
LG09992	2/5/2016	Lead	7	Copper	50		PT T4	FLINT	48503
LF85603	9/30/2015	Lead	4	Copper	160			FLINT	48503
LF85604	9/30/2015	Lead	0	Copper	220			FLINT	48503
LG09400	2/4/2016	Lead	[redacted]	Copper	550			FLINT	48506
LG02783	1/23/2016	Lead	2	Copper	0			FLINT	48506
LG07406	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG08259	2/3/2016	Lead	[redacted]	Copper	210			FLINT	48503
LG08256	2/3/2016	Lead	[redacted]	Copper	460			FLINT	48503
LG07547	2/2/2016	Lead	0	Copper	150			FLINT	48503
LG09756	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG04370	1/26/2016	Lead	4	Copper	0			FLINT	48503
LG01525	1/21/2016	Lead	0	Copper	70			FLINT	
LG09102	2/4/2016	Lead	0	Copper	140			FLINT	48503
LG08670	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG10056	2/6/2016	Lead	2	Copper	0			FLINT	48503
LG10102	2/6/2016	Lead	1	Copper	0			FLINT	48503
LG02695	1/23/2016	Lead	0	Copper	0		#2	FLINT	48503
LG03771	1/25/2016	Lead	0	Copper	0		I	FLINT	48503
LG02045	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG06650	1/31/2016	Lead	9	Copper	130			FLINT	48503
LG10601	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG05060	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG09697	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG03649	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG02333	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG05093	1/27/2016	Lead	0	Copper	60			FLINT	48503
LG05639	1/28/2016	Lead	9	Copper	0			FLINT	48503
LG05762	1/28/2016	Lead	2	Copper	0			FLINT	48504
LG05574	1/28/2016	Lead	2	Copper	0			FLINT	48504
LF92731	11/18/2015	Lead	4	Copper	0			FLINT	48504
LG07914	2/2/2016	Lead	0	Copper	70			FLINT	48505
LG01473	1/21/2016	Lead	0	Copper	60			FLINT	48503
LG00978	1/20/2016	Lead	4	Copper	0			FLINT	48503
LG00979	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG02162	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04391	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG00563	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG09708	2/5/2016	Lead	5	Copper	80			FLINT	48503
LG04156	1/26/2016	Lead	[redacted]	Copper	120			FLINT	48503
LG08641	2/3/2016	Lead	2	Copper	50			FLINT	
LG08804	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG05612	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05071	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG06886	2/1/2016	Lead	2	Copper	60			FLINT	48503
LG00602	1/19/2016	Lead	1	Copper	60			FLINT	48503
LG03628	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG03738	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03812	1/25/2016	Lead	3	Copper	60			FLINT	48505
LG01388	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG09177	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG01671	1/21/2016	Lead	1	Copper	60			FLINT	48503
LG09240	2/4/2016	Lead	0	Copper	0			FLINT	48503
LF95917	12/10/2015	Lead	4	Copper	80			FLINT	
LG07736	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG06819	2/1/2016	Lead	0	Copper	0		T	FLINT	48503
LG09669	2/5/2016	Lead	1	Copper	90		T	FLINT	48503
LF99954	1/15/2016	Lead	0	Copper	120		T		48503
LG06897	2/1/2016	Lead	3	Copper	60		T	FLINT	48503
LG04226	1/26/2016	Lead	0	Copper	0		T	FLINT	48503
LG05533	1/28/2016	Lead	0	Copper	0		T	FLINT	48503
LF87393	10/13/2015	Lead	2	Copper	90		T	FLINT	48503
LF91286	11/9/2015	Lead	0	Copper	0		T	FLINT	48503
LG02943	1/23/2016	Lead	2	Copper	0		T.	FLINT	48503
LG04175	1/26/2016	Lead	1	Copper	60			FLINT	
LG07452	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG03765	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG01915	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG08264	2/3/2016	Lead	6	Copper	0			FLINT	48503
LG05488	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05969	1/29/2016	Lead	5	Copper	80			FLINT	48503
LG03736	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG06879	2/1/2016	Lead	2	Copper	180			FLINT	48504
LG07424	2/2/2016	Lead	0	Copper	60		E	FLINT	48504
LG07543	2/2/2016	Lead	10	Copper	180			FLINT	48504
LG02130	1/21/2016	Lead	12	Copper	0			FLINT	48504
LF99976	1/15/2016	Lead	3	Copper	50			FLINT	48503
LG05726	1/28/2016	Lead	4	Copper	0		E	FLINT	48503
LG03520	1/25/2016	Lead	12	Copper	0		E	FLINT	48503
LG03090	1/24/2016	Lead	6	Copper	160		E	FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG03522	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG06847	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG10071	2/6/2016	Lead	0	Copper	60		ATE BATTERY OF F	FLINT	48506
LG07942	2/2/2016	Lead	0	Copper	0			FLINT	48501
LF97347	12/18/2015	Lead	8	Copper	150			FLINT	48503
LG02207	1/21/2016	Lead	1	Copper	0			FLINT	48503
LF92710	11/18/2015	Lead	5	Copper	110			FLINT	48505
LG06307	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG07666	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG07823	2/2/2016	Lead	5	Copper	80			FLINT	48532
LG04981	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG08737	2/3/2016	Lead	[redacted]	Copper	0		SE #8	FLINT	48502
LG05030	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG00956	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG04867	1/27/2016	Lead	3	Copper	0			FLINT	48505
LF99973	1/15/2016	Lead	0	Copper	0			FLINT	48505
LG02123	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02606	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG04588	1/26/2016	Lead	3	Copper	100			FLINT	48505
LF92729	11/18/2015	Lead	0	Copper	0			FLINT	48503
LG06264	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG04202	1/26/2016	Lead	4	Copper	0			FLINT	48503
LG09858	2/5/2016	Lead	0	Copper	0			FLINT	
LF87372	10/13/2015	Lead	0	Copper	240			FLINT	48503
LF87385	10/13/2015	Lead	6	Copper	0			FLINT	48503
LG02905	1/23/2016	Lead	[redacted]	Copper	160			FLINT	48503
LG01695	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG06319	1/30/2016	Lead	2	Copper	170			FLINT	48503
LG03595	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG04548	1/26/2016	Lead	2	Copper	70			FLINT	48507
LG02965	1/23/2016	Lead	3	Copper	0			FLINT	48503
LG09958	2/5/2016	Lead	7	Copper	510			FLINT	48503
LG06168	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG02148	1/21/2016	Lead	0	Copper	0		RD	FLINT	48506
LG06831	2/1/2016	Lead	0	Copper	90		ANE	FLINT	48507
LG07566	2/2/2016	Lead	0	Copper	60		ANE	FLINT	48507
LG01667	1/21/2016	Lead	0	Copper	0		ANE	FLINT	
LG01424	1/21/2016	Lead	0	Copper	0		ANE	FLINT	48507
LG09681	2/5/2016	Lead	0	Copper	50		N	FLINT	48507
LG01314	1/21/2016	Lead	0	Copper	0		N	FLINT	48507
LG03699	1/25/2016	Lead	2	Copper	90		N	FLINT	48507
LG07470	2/2/2016	Lead	0	Copper	90		N	FLINT	48507
LG00987	1/20/2016	Lead	0	Copper	150		N	FLINT	48507
LG08458	2/3/2016	Lead	0	Copper	80			FLINT	48507
LG06125	1/29/2016	Lead	0	Copper	0		LAKE	FLINT	48507
LG00977	1/20/2016	Lead	0	Copper	0		LANE	FLINT	48507
LG00864	1/20/2016	Lead	1	Copper	110		LANE	FLINT	48507
LG09091	2/4/2016	Lead	2	Copper	50		LANE	FLINT	48507
LG06815	2/1/2016	Lead	0	Copper	0		LANE	FLINT	48507
LG01225	1/21/2016	Lead	8	Copper	110		LANE	FLINT	48507
LG04538	1/26/2016	Lead	2	Copper	50		LANE	FLINT	48507
LG01906	1/21/2016	Lead	0	Copper	60		LN	FLINT	48507
LG00470	1/19/2016	Lead	2	Copper	0		LN	FLINT	48507
LG06099	1/29/2016	Lead	3	Copper	90		LN	FLINT	48507
LG03490	1/25/2016	Lead	0	Copper	70		LN	FLINT	48507
LF92709	11/18/2015	Lead	2	Copper	70		LN	FLINT	48507
LG00995	1/20/2016	Lead	0	Copper	0		LN	FLINT	48507
LG02884	1/23/2016	Lead	0	Copper	0		LN	FLINT	
LG04369	1/26/2016	Lead	6	Copper	0		LN	FLINT	48507
LG10185	2/6/2016	Lead	0	Copper	0		VE	FLINT	48503
LF94280	12/2/2015	Lead	0	Copper	50		VE	FLINT	48503
LG01907	1/21/2016	Lead	0	Copper	0		VE	FLINT	48503
LG06919	2/1/2016	Lead	0	Copper	0		VE	FLINT	48503
LG06955	2/1/2016	Lead	2	Copper	0		VE	FLINT	48503
LG10124	2/6/2016	Lead	11	Copper	140		D	FLINT	48507
LG05910	1/29/2016	Lead	1	Copper	50			FLINT	48507
LG06156	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG07938	2/2/2016	Lead	1	Copper	0		DR	FLINT	48504
LF85939	10/2/2015	Lead	1	Copper	70		DR	FLINT	48504
LG07091	2/1/2016	Lead	2	Copper	60		DR	FLINT	48504
LG09276	2/4/2016	Lead	0	Copper	0		DR	FLINT	48504
LG04382	1/26/2016	Lead	0	Copper	0		DR	FLINT	48504
LG05674	1/28/2016	Lead	2	Copper	0		DR	FLINT	48504
LG02799	1/23/2016	Lead	0	Copper	0		DR	FLINT	48504
LG04878	1/27/2016	Lead	0	Copper	0		DR	FLINT	48504
LG06415	1/30/2016	Lead	0	Copper	0		DR	FLINT	48504
LG05751	1/28/2016	Lead	3	Copper	280		DR	FLINT	48504
LG05307	1/27/2016	Lead	2	Copper	0		DR	FLINT	48504
LG09879	2/5/2016	Lead	1	Copper	0		DR	FLINT	48504
LG09395	2/4/2016	Lead	0	Copper	0		DR	FLINT	48504
LG00871	1/20/2016	Lead	2	Copper	0		DR	FLINT	48504
LG02852	1/23/2016	Lead	6	Copper	100		DR	FLINT	

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LG02980	1/24/2016	Lead	0	Copper	0		DR	FLINT	48504
LG10562	2/7/2016	Lead	0	Copper	0		R	FLINT	48504
LG06607	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG04477	1/26/2016	Lead	8	Copper	0			FLINT	48503
LG04547	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG10543	2/7/2016	Lead	3	Copper	230		E	FLINT	48504
LG01564	1/21/2016	Lead	10	Copper	0		E	FLINT	48504
LG02816	1/23/2016	Lead	[redacted]	Copper	0		E	FLINT	48504
LG09649	2/5/2016	Lead	[redacted]	Copper	160			FLINT	48504
LG05621	1/28/2016	Lead	0	Copper	110			FLINT	48504
LG05701	1/28/2016	Lead	0	Copper	170			FLINT	48504
LG09256	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG06880	2/1/2016	Lead	3	Copper	0			FLINT	48504
LG06266	1/30/2016	Lead	2	Copper	60			FLINT	48504
LG00999	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG01015	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG06087	1/29/2016	Lead	[redacted]	Copper	100			FLINT	48504
LF87054	10/8/2015	Lead	0	Copper	0			FLINT	48504
LG01306	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02085	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02602	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG07675	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG01968	1/21/2016	Lead	[redacted]	Copper	210	3		FLINT	48503
LG06856	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG05578	1/28/2016	Lead	0	Copper	80			FLINT	48507
LG06658	1/31/2016	Lead	9	Copper	210			FLINT	48503
LG08346	2/3/2016	Lead	3	Copper	120			FLINT	48503
LG07843	2/2/2016	Lead	[redacted]	Copper	90			FLINT	48507
LG01229	1/21/2016	Lead	0	Copper	90			FLINT	48503
LG05614	1/28/2016	Lead	0	Copper	0			FLINT	
LG04991	1/27/2016	Lead	0	Copper	50			FLINT	48507
LG04984	1/27/2016	Lead	0	Copper	160			FLINT	48507
LG04490	1/26/2016	Lead	0	Copper	50			FLINT	48507
LG05215	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG01807	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG05299	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG08366	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG05219	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04901	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG04962	1/27/2016	Lead	5	Copper	190			FLINT	48507
LG04965	1/27/2016	Lead	1	Copper	120			FLINT	48507
LG05017	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG06215	1/29/2016	Lead	1	Copper	90			FLINT	48507
LG05218	1/27/2016	Lead	0	Copper	120			FLINT	48507
LG04907	1/27/2016	Lead	0	Copper	0				48507
LG05208	1/27/2016	Lead	2	Copper	90			FLINT	48507
LG05026	1/27/2016	Lead	14	Copper	510			FLINT	48507
LG05220	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05025	1/27/2016	Lead	0	Copper	90			FLINT	48505
LG05227	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05236	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05211	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05238	1/27/2016	Lead	3	Copper	520			FLINT	48507
LG05217	1/27/2016	Lead	0	Copper	60			FLINT	48505
LG05270	1/27/2016	Lead	0	Copper	100			FLINT	48507
LG05213	1/27/2016	Lead	0	Copper	140			FLINT	48507
LG05029	1/27/2016	Lead	7	Copper	120			FLINT	48505
LG05235	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05237	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG05233	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05221	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05222	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05214	1/27/2016	Lead	0	Copper	90				
LG05232	1/27/2016	Lead	0	Copper	290			FLINT	48507
LG05228	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05229	1/27/2016	Lead	0	Copper	470			FLINT	48507
LG05216	1/27/2016	Lead	5	Copper	390			FLINT	48507
LG02785	1/23/2016	Lead	0	Copper	90			FLINT	48507
LG04805	1/27/2016	Lead	[redacted]	Copper	880			FLINT	48507
LG05131	1/27/2016	Lead	0	Copper	180			FLINT	48507
LG04225	1/26/2016	Lead	0	Copper	60			FLINT	48507
LG04891	1/27/2016	Lead	3	Copper	70			FLINT	48507
LG04892	1/27/2016	Lead	0	Copper	180			FLINT	48507
LG04893	1/27/2016	Lead	0	Copper	90			FLINT	48507
LG04895	1/27/2016	Lead	1	Copper	80			FLINT	48507
LG04896	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04959	1/27/2016	Lead	7	Copper	150			FLINT	48507
LG04960	1/27/2016	Lead	0	Copper	110			FLINT	48507
LG04961	1/27/2016	Lead	6	Copper	1,050			FLINT	48507
LG04963	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG04964	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04966	1/27/2016	Lead	0	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG04967	1/27/2016	Lead	7	Copper	750			FLINT	48507
LG04968	1/27/2016	Lead	2	Copper	70			FLINT	48507
LG04969	1/27/2016	Lead	0	Copper	270			FLINT	48507
LG04979	1/27/2016	Lead	0	Copper	240			FLINT	48507
LG04980	1/27/2016	Lead	13	Copper	610			FLINT	48507
LG04985	1/27/2016	Lead	2	Copper	380			FLINT	48507
LG04986	1/27/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48507
LG04987	1/27/2016	Lead	1	Copper	60			FLINT	48507
LG04988	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04989	1/27/2016	Lead	0	Copper	380			FLINT	48507
LG04990	1/27/2016	Lead	3	Copper	200			FLINT	48507
LG04992	1/27/2016	Lead	5	Copper	490			FLINT	48507
LG04993	1/27/2016	Lead	0	Copper	150			FLINT	48507
LG04994	1/27/2016	Lead	0	Copper	300			FLINT	48507
LG04995	1/27/2016	Lead	6	Copper	680			FLINT	48507
LG04996	1/27/2016	Lead	0	Copper	140			FLINT	48507
LG04997	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04998	1/27/2016	Lead	0	Copper	190			FLINT	48507
LG04999	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG05000	1/27/2016	Lead	0	Copper	130			FLINT	48507
LG05001	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05002	1/27/2016	Lead	1	Copper	0			FLINT	48507
LG05010	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05012	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05269	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05296	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05300	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05130	1/27/2016	Lead	1	Copper	110			FLINT	48507
LG05132	1/27/2016	Lead	2	Copper	300			FLINT	48507
LG05137	1/27/2016	Lead	0	Copper	70			FLINT	48507
LG05288	1/27/2016	Lead	0	Copper	140			FLINT	48507
LG04915	1/27/2016	Lead	0	Copper	120			FLINT	48507
LG04931	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG04936	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG04913	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04912	1/27/2016	Lead	0	Copper	110			FLINT	48507
LG04914	1/27/2016	Lead	3	Copper	0			FLINT	48507
LG04911	1/27/2016	Lead	0	Copper	200			FLINT	48507
LG04938	1/27/2016	Lead	0	Copper	90			FLINT	48507
LG04934	1/27/2016	Lead	0	Copper	70			FLINT	48507
LG04916	1/27/2016	Lead	2	Copper	60			FLINT	48507
LG04917	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04918	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04932	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04933	1/27/2016	Lead	2	Copper	60			FLINT	48507
LG04909	1/27/2016	Lead	0	Copper	140			FLINT	48507
LG04937	1/27/2016	Lead	1	Copper	110			FLINT	48507
LG04897	1/27/2016	Lead	2	Copper	50			FLINT	48507
LG04935	1/27/2016	Lead	1	Copper	0			FLINT	48507
LG04904	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04898	1/27/2016	Lead	3	Copper	190			FLINT	48507
LG04902	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04903	1/27/2016	Lead	0	Copper	100			FLINT	48507
LG04900	1/27/2016	Lead	0	Copper	90			FLINT	48507
LG04910	1/27/2016	Lead	0	Copper	120			FLINT	48507
LG04905	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04906	1/27/2016	Lead	9	Copper	330			FLINT	48507
LG04908	1/27/2016	Lead	0	Copper	160			FLINT	48507
LG04899	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05606	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG09873	2/5/2016	Lead	6	Copper	50			FLINT	48503
LG02003	1/21/2016	Lead	0	Copper	0			FLINT	48503
LF87377	10/13/2015	Lead	3	Copper	0			FLINT	48503
LG06447	1/30/2016	Lead	0	Copper	70			FLINT	48503
LG01530	1/21/2016	Lead	1	Copper	70			FLINT	48503
LG00835	1/20/2016	Lead	0	Copper	210			FLINT	48503
LG06002	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG01226	1/21/2016	Lead	2	Copper	110			FLINT	48503
LG02408	1/22/2016	Lead	2	Copper	250			FLINT	48503
LG05498	1/28/2016	Lead	0	Copper	100			FLINT	48503
LG07422	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG02429	1/22/2016	Lead	0	Copper	50			FLINT	48506
LG09254	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG02197	1/21/2016	Lead	0	Copper	80			FLINT	48506
LG01648	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG09295	2/4/2016	Lead	2	Copper	0			FLINT	48507
LG02911	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG03000	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG02327	1/22/2016	Lead	3	Copper	0			FLINT	48505
LG09265	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09249	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG02592	1/22/2016	Lead	0	Copper	0		T1	FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG00465	1/19/2016	Lead	[redacted]	Copper	1,080			FLINT	48502
LG05597	1/28/2016	Lead	0	Copper	100			FLINT	48503
LG00858	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG05983	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG01390	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG10266	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG06754	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG09866	2/5/2016	Lead	3	Copper	0			FLINT	48503
LG06745	2/1/2016	Lead	1	Copper	140			FLINT	48503
LG08288	2/3/2016	Lead	6	Copper	170			FLINT	48503
LG07479	2/2/2016	Lead	[redacted]	Copper	160		DR	FLINT	48503
LG02437	1/22/2016	Lead	0	Copper	110		DR	FLINT	48503
LF99945	1/15/2016	Lead	2	Copper	150		DR		
LF85285	9/29/2015	Lead	3	Copper	370		DR	FLINT	48503
LG06532	1/31/2016	Lead	[redacted]	Copper	[redacted]		DR	FLINT	48503
LG09930	2/5/2016	Lead	0	Copper	0		DR	FLINT	48503
LG01336	1/21/2016	Lead	2	Copper	220		DR	FLINT	48503
LG04056	1/26/2016	Lead	[redacted]	Copper	90		DR	FLINT	48503
LG03762	1/25/2016	Lead	2	Copper	390		DR	FLINT	48503
LF86491	10/6/2015	Lead	2	Copper	150		DR	FLINT	48503
LG06427	1/30/2016	Lead	3	Copper	340		DR	FLINT	48503
LG02726	1/23/2016	Lead	0	Copper	240		DR	FLINT	48503
LG06037	1/29/2016	Lead	0	Copper	110		DR	FLINT	48503
LG10022	2/5/2016	Lead	0	Copper	180		DR	FLINT	48503
LG09990	2/5/2016	Lead	1	Copper	90		DR	FLINT	48503
LF95929	12/10/2015	Lead	2	Copper	150		DR	FLINT	***
LF94276	12/2/2015	Lead	2	Copper	0		DR	FLINT	48503
LG06547	1/31/2016	Lead	3	Copper	490		DRIVE	FLINT	48503
LG06383	1/30/2016	Lead	2	Copper	0			FLINT	48503
LG09863	2/5/2016	Lead	15	Copper	80			FLINT	48503
LG04153	1/26/2016	Lead	3	Copper	80			FLINT	48503
LG08521	2/3/2016	Lead	0	Copper	150			FLINT	48504
LG08715	2/3/2016	Lead	6	Copper	200			FLINT	48504
LG08399	2/3/2016	Lead	0	Copper	270			FLINT	48504
LG02128	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG07022	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG07490	2/2/2016	Lead	0	Copper	0			FLINT	
LG10257	2/6/2016	Lead	[redacted]	Copper	150			FLINT	48504
LG06175	1/29/2016	Lead	0	Copper	0		T	FLINT	48504
LG06941	2/1/2016	Lead	1	Copper	0			FLINT	48507
LG00558	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG10095	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG05474	1/28/2016	Lead	0	Copper	0			FLINT	48506
LF87013	10/8/2015	Lead	1	Copper	0			FLINT	48506
LG06142	1/29/2016	Lead	1	Copper	90			FLINT	48506
LG09226	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09322	2/4/2016	Lead	0	Copper	0		T	FLINT	48506
LG05556	1/28/2016	Lead	2	Copper	100			FLINT	48503
LG06004	1/29/2016	Lead	0	Copper	130			FLINT	
LG01412	1/21/2016	Lead	10	Copper	50			FLINT	48503
LG01828	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG08347	2/3/2016	Lead	3	Copper	170			FLINT	48503
LG08428	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG07007	2/1/2016	Lead	0	Copper	110			FLINT	48503
LG04019	1/26/2016	Lead	0	Copper	0			FLINT	48532
LG06032	1/29/2016	Lead	5	Copper	0			FLINT	48532
LG04352	1/26/2016	Lead	2	Copper	110			FLINT	48532
LG05562	1/28/2016	Lead	6	Copper	60			FLINT	48532
LG04254	1/26/2016	Lead	0	Copper	0			FLINT	48532
LF87061	10/8/2015	Lead	0	Copper	0			FLINT	48532
LF88307	10/20/2015	Lead	[redacted]	Copper	60			FLINT	48532
LG09433	2/4/2016	Lead	7	Copper	200			FLINT	48532
LG04346	1/26/2016	Lead	0	Copper	130			FLINT	48532
LF97968	12/29/2015	Lead	0	Copper	140			FLINT	
LG03662	1/25/2016	Lead	[redacted]	Copper	1,190			FLINT	48532
LG02793	1/23/2016	Lead	0	Copper	0		K	BURTON	48519
LF84314	9/23/2015	Lead	5	Copper	0			FLINT	48507
LG01425	1/21/2016	Lead	5	Copper	90			FLINT	48507
LG01383	1/21/2016	Lead	4	Copper	110			FLINT	48507
LG05031	1/27/2016	Lead	0	Copper	0		E	FLINT	
LG07694	2/2/2016	Lead	[redacted]	Copper	110		E	FLINT	48507
LG04794	1/27/2016	Lead	0	Copper	60		E	FLINT	48507
LG02040	1/21/2016	Lead	8	Copper	90		E	FLINT	48507
LG09117	2/4/2016	Lead	0	Copper	70		E	FLINT	48507
LG01765	1/21/2016	Lead	0	Copper	110		E	FLINT	48507
LG05559	1/28/2016	Lead	11	Copper	80		E	FLINT	48507
LG09337	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG01797	1/21/2016	Lead	0	Copper	50			FLINT	
LG00003	1/15/2016	Lead	0	Copper	0			FLINT	48503
LG01531	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG08536	2/3/2016	Lead	0	Copper	0			FLINT	48503
LF97341	12/18/2015	Lead	0	Copper	0			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01479	1/21/2016	Lead	3	Copper	0				48503
LG05524	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG02457	1/22/2016	Lead	0	Copper	80			FLINT	48503-2812
LG03638	1/25/2016	Lead	0	Copper	100			FLINT	48503
LG02453	1/22/2016	Lead	1	Copper	0			FLINT	48503
LG02511	1/22/2016	Lead	9	Copper	110			FLINT	48503
LG09859	2/5/2016	Lead	5	Copper	0			FLINT	48503
LG09166	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09069	2/4/2016	Lead	1	Copper	60			FLINT	48503
LG09068	2/4/2016	Lead	[redacted]	Copper	110			FLINT	48503
LF97326	12/18/2015	Lead	0	Copper	0			FLINT	48503
LF85930	10/2/2015	Lead	3	Copper	100			FLINT	48503
LG04031	1/26/2016	Lead	0	Copper	100			FLINT	48503
LG07655	2/2/2016	Lead	1	Copper	260			FLINT	48503
LG05503	1/28/2016	Lead	6	Copper	80			FLINT	48503
LG02367	1/22/2016	Lead	[redacted]	Copper	860			FLINT	48503
LG02353	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG06496	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG04803	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG08716	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG02938	1/23/2016	Lead	3	Copper	170			FLINT	48503
LG04316	1/26/2016	Lead	0	Copper	0			FLINT	48503
LF97318	12/18/2015	Lead	1	Copper	0			FLINT	48503
LG06025	1/29/2016	Lead	2	Copper	50			FLINT	48503
LG09709	2/5/2016	Lead	3	Copper	60			FLINT	48506
LG03653	1/25/2016	Lead	2	Copper	0			FLINT	
LG04155	1/26/2016	Lead	0	Copper	140			FLINT	48506
LG09787	2/5/2016	Lead	[redacted]	Copper	70			FLINT	48506
LG03120	1/24/2016	Lead	3	Copper	380			FLINT	48532
LG02385	1/22/2016	Lead	0	Copper	100			FLINT	48532
LF85946	10/2/2015	Lead	2	Copper	220			FLINT	48532
LG06975	2/1/2016	Lead	0	Copper	0	E		FLINT	
LG05585	1/28/2016	Lead	2	Copper	0	E		FLINT	48503
LG05637	1/28/2016	Lead	[redacted]	Copper	190	E		FLINT	48503
LG05722	1/28/2016	Lead	4	Copper	50	E		FLINT	48532
LG07931	2/2/2016	Lead	0	Copper	50	E		FLINT	48532
LG00830	1/20/2016	Lead	0	Copper	0	E		FLINT	
LG01307	1/21/2016	Lead	1	Copper	0	E		FLINT	48532
LG06595	1/31/2016	Lead	[redacted]	Copper	280	E		FLINT	48532
LG09138	2/4/2016	Lead	[redacted]	Copper	190	E		FLINT	48532
LG09167	2/4/2016	Lead	4	Copper	360	E		FLINT	48532
LG09171	2/4/2016	Lead	4	Copper	210	E		FLINT	48532
LF85947	10/2/2015	Lead	0	Copper	70	E		FLINT	48532
LF85945	10/2/2015	Lead	0	Copper	170	E #1		FLINT	48532
LG05545	1/28/2016	Lead	[redacted]	Copper	[redacted]	ENUE		FLINT	48503
LG02910	1/23/2016	Lead	4	Copper	100	E		FLINT	48532
LG04837	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04167	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG05525	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG03017	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG02563	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG10082	2/6/2016	Lead	10	Copper	70			FLINT	48506
LG01001	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG02544	1/22/2016	Lead	1	Copper	130			FLINT	48506
LG07527	2/2/2016	Lead	4	Copper	70			FLINT	
LG07534	2/2/2016	Lead	0	Copper	100			FLINT	48506
LG07981	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG03722	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG09707	2/5/2016	Lead	[redacted]	Copper	100			FLINT	48506
LF99164	1/7/2016	Lead	1	Copper	0			FLINT	
LG07978	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG00505	1/19/2016	Lead	2	Copper	0			FLINT	48506
LG02225	1/21/2016	Lead	3	Copper	50			FLINT	48506
LG06511	1/31/2016	Lead	1	Copper	80	E		FLINT	48506
LG03606	1/25/2016	Lead	0	Copper	60	E		FLINT	48506
LG08281	2/3/2016	Lead	1	Copper	90			FLINT	48505
LG06394	1/30/2016	Lead	0	Copper	0	T LANE		FLINT	48506
LG05943	1/29/2016	Lead	0	Copper	60			FLINT	48507
LF99926	1/15/2016	Lead	0	Copper	0			FLINT	48503
LG09719	2/5/2016	Lead	[redacted]	Copper	180			FLINT	48503
LG09112	2/4/2016	Lead	0	Copper	0			FLINT	48503
LF97324	12/18/2015	Lead	0	Copper	0			FLINT	48503
LF97336	12/18/2015	Lead	0	Copper	0			FLINT	48503
LG08492	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG06522	1/31/2016	Lead	0	Copper	60	T		FLINT	48503
LG05485	1/28/2016	Lead	0	Copper	210			FLINT	48503
LG09714	2/5/2016	Lead	2	Copper	160			FLINT	48503
LG02172	1/21/2016	Lead	0	Copper	100			FLINT	48503
LG01342	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG06006	1/29/2016	Lead	15	Copper	60			FLINT	48503
LF97949	12/29/2015	Lead	5	Copper	130	BLDG 11		FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St...	Street Name	City	Zip Code
LG09350	2/4/2016	Lead	0	Copper	70			FLINT	48503
LG08700	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG09238	2/4/2016	Lead	1	Copper	100			FLINT	48503
LF93589	11/24/2015	Lead	0	Copper	0			FLINT	48503
LG08797	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08744	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG09342	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG07606	2/2/2016	Lead	0	Copper	170			FLINT	48503
LG06883	2/1/2016	Lead	0	Copper	70			FLINT	48503
LG06910	2/1/2016	Lead	0	Copper	0		UE	FLINT	48503
LG05958	1/29/2016	Lead	0	Copper	0		UE	FLINT	48503
LG10538	2/7/2016	Lead	9	Copper	0		UE	FLINT	48503
LG02996	1/24/2016	Lead	0	Copper	0		N	FLINT	48507
LG05727	1/28/2016	Lead	0	Copper	70		ANE	FLINT	48507
LG05119	1/27/2016	Lead	0	Copper	60		ANE	FLINT	48507
LG03158	1/24/2016	Lead	1	Copper	90		ANE	FLINT	48507
LG01333	1/21/2016	Lead	0	Copper	50		N	FLINT	48507
LG04220	1/26/2016	Lead	0	Copper	100		N	FLINT	48507
LG07778	2/2/2016	Lead	2	Copper	140		N	FLINT	48507
LG08389	2/3/2016	Lead	7	Copper	80		N	FLINT	48507
LG09971	2/5/2016	Lead	1	Copper	100		N	FLINT	48507
LG08341	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG01609	1/21/2016	Lead	1	Copper	0			FLINT	
LG04493	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG06173	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG01663	1/21/2016	Lead	0	Copper	50			FLINT	48506
LF99940	1/15/2016	Lead	0	Copper	0				
LG00579	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG01730	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG09789	2/5/2016	Lead	0	Copper	140			FLINT	48506
LG04486	1/26/2016	Lead	0	Copper	90			FLINT	48506
LG09967	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG08278	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG06777	2/1/2016	Lead	0	Copper	0		UE	FLINT	48506
LG02551	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG05272	1/27/2016	Lead	0	Copper	50			FLINT	48506
LG06891	2/1/2016	Lead	0	Copper	0			FLINT	48503
LF99645	1/13/2016	Lead	0	Copper	0			FLINT	48503
LG10213	2/6/2016	Lead	1	Copper	50			FLINT	48503
LG05522	1/28/2016	Lead	4	Copper	0			FLINT	48503
LG05179	1/27/2016	Lead	[redacted]	Copper	660			FLINT	48503
LG07874	2/2/2016	Lead	2	Copper	130			FLINT	48503
LG02417	1/22/2016	Lead	1	Copper	190			FLINT	48503
LG10512	2/7/2016	Lead	[redacted]	Copper	50			FLINT	48503
LG01783	1/21/2016	Lead	5	Copper	70			FLINT	48503
LG06423	1/30/2016	Lead	0	Copper	0			FLINT	
LG01613	1/21/2016	Lead	[redacted]	Copper	90			FLINT	48503
LG01234	1/21/2016	Lead	[redacted]	Copper	160			FLINT	48503
LG00593	1/19/2016	Lead	0	Copper	230			FLINT	48507
LG06788	2/1/2016	Lead	0	Copper	280			FLINT	48507
LG05146	1/27/2016	Lead	0	Copper	320			FLINT	48507
LG02174	1/21/2016	Lead	7	Copper	410			FLINT	48507
LG01362	1/21/2016	Lead	3	Copper	0		E	FLINT	48504
LG10189	2/6/2016	Lead	3	Copper	0			FLINT	48507
LG09764	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG05018	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05937	1/29/2016	Lead	0	Copper	220			FLINT	48507
LG02438	1/22/2016	Lead	1	Copper	0			FLINT	48507
LG01274	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01986	1/21/2016	Lead	0	Copper	390			FLINT	48507
LG04171	1/26/2016	Lead	0	Copper	60			FLINT	48507
LG02682	1/23/2016	Lead	13	Copper	490			FLINT	48505
LG09088	2/4/2016	Lead	0	Copper	150			FLINT	
LG04162	1/26/2016	Lead	[redacted]	Copper	130			FLINT	
LF99925	1/15/2016	Lead	[redacted]	Copper	350				
LF99935	1/15/2016	Lead	6	Copper	230				48504
LG09671	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09293	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG06770	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG08364	2/3/2016	Lead	2	Copper	110			FLINT	48507
LG01419	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG07066	2/1/2016	Lead	0	Copper	260			FLINT	48507
LG02539	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG07652	2/2/2016	Lead	0	Copper	0		LANE	FLINT	48507
LG07773	2/2/2016	Lead	2	Copper	0			FLINT	48503
LG00575	1/19/2016	Lead	1	Copper	0			FLINT	48503
LG02053	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG09176	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG01611	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG08636	2/3/2016	Lead	1	Copper	0			FLINT	48506
LG01675	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG06589	1/31/2016	Lead	5	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG04350	1/26/2016	Lead	6	Copper	0			FLINT	48506
LG05159	1/27/2016	Lead	1	Copper	0			FLINT	48506
LG01617	1/21/2016	Lead	0	Copper	130			FLINT	48506
LG01781	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG05497	1/28/2016	Lead	2	Copper	70			FLINT	48506
LG03150	1/24/2016	Lead	1	Copper	0			FLINT	48506
LG07987	2/2/2016	Lead	6	Copper	120			FLINT	48506
LG10066	2/6/2016	Lead	2	Copper	130			FLINT	48506
LG02167	1/21/2016	Lead	6	Copper	0			FLINT	48506
LG10004	2/5/2016	Lead	7	Copper	0			FLINT	48506
LG10606	2/7/2016	Lead	1	Copper	0		JE	FLINT	48506
LG01624	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG02424	1/22/2016	Lead	2	Copper	240		RAIL	FLINT	48507
LF99146	1/7/2016	Lead	6	Copper	120			FLINT	
LF99977	1/15/2016	Lead	2	Copper	0			FLINT	48506
LG04342	1/26/2016	Lead	2	Copper	0			FLINT	48506
LG08725	2/3/2016	Lead	[redacted]	Copper	400			FLINT	48506
LG05678	1/28/2016	Lead	1	Copper	0			FLINT	48506
LG00506	1/19/2016	Lead	0	Copper	240			FLINT	48506
LF99916	1/15/2016	Lead	2	Copper	90			FLINT	
LG00480	1/19/2016	Lead	2	Copper	100			FLINT	48506
LG01673	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG05508	1/28/2016	Lead	3	Copper	0		UE	FLINT	48506
LG08709	2/3/2016	Lead	1	Copper	110		UE	FLINT	48506
LG02514	1/22/2016	Lead	0	Copper	0		E	FLINT	48505
LG04355	1/26/2016	Lead	0	Copper	50		E	FLINT	48505
LG09421	2/4/2016	Lead	6	Copper	60			FLINT	48507
LG00859	1/20/2016	Lead	0	Copper	0			FLINT	
LG10161	2/6/2016	Lead	0	Copper	0			FLINT	48507
LF87942	10/16/2015	Lead	0	Copper	60			FLINT	48507
LG03460	1/25/2016	Lead	5	Copper	190			FLINT	48507
LG09696	2/5/2016	Lead	0	Copper	170			FLINT	
LG01545	1/21/2016	Lead	2	Copper	80			FLINT	48507-2518
LG02827	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG04161	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG01890	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG06348	1/30/2016	Lead	0	Copper	80			FLINT	48507
LG09980	2/5/2016	Lead	12	Copper	110			FLINT	48509
LG01911	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG04946	1/27/2016	Lead	13	Copper	70			FLINT	48507
LG07592	2/2/2016	Lead	0	Copper	0			FLINT	48507
LF87945	10/16/2015	Lead	5	Copper	0			FLINT	48507
LF88311	10/20/2015	Lead	5	Copper	0			FLINT	48507
LG07704	2/2/2016	Lead	2	Copper	0			FLINT	48507
LG02338	1/22/2016	Lead	3	Copper	0			FLINT	48507
LG03040	1/24/2016	Lead	8	Copper	0			FLINT	48507
LG10490	2/7/2016	Lead	7	Copper	120			FLINT	48507
LG01768	1/21/2016	Lead	[redacted]	Copper	150			FLINT	48507
LF85802	10/1/2015	Lead	0	Copper	270			FLINT	48507
LG08417	2/3/2016	Lead	0	Copper	260			FLINT	48507
LG04462	1/26/2016	Lead	2	Copper	0			FLINT	48507
LG10162	2/6/2016	Lead	3	Copper	70			FLINT	48506
LG02436	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG08724	2/3/2016	Lead	7	Copper	60			FLINT	48507
LG06642	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG08273	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG07455	2/2/2016	Lead	3	Copper	0			FLINT	48503
LG08343	2/3/2016	Lead	7	Copper	0			FLINT	48503
LG06536	1/31/2016	Lead	2	Copper	80			FLINT	
LG07017	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG06342	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG10200	2/6/2016	Lead	3	Copper	60			FLINT	48503
LG02166	1/21/2016	Lead	11	Copper	0			FLINT	48503
LG00952	1/20/2016	Lead	2	Copper	110			FLINT	
LG06471	1/31/2016	Lead	4	Copper	0			FLINT	48503
LG06534	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06463	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG10011	2/5/2016	Lead	9	Copper	180			FLINT	48503
LG01747	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG05763	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG02475	1/22/2016	Lead	0	Copper	0			FLINT	
LG05005	1/27/2016	Lead	2	Copper	60			FLINT	48505
LG02920	1/23/2016	Lead	4	Copper	60			FLINT	48506
LG05520	1/28/2016	Lead	0	Copper	80			FLINT	48506
LG03593	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG05931	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG03775	1/25/2016	Lead	1	Copper	0			FLINT	48506
LG01688	1/21/2016	Lead	13	Copper	0			FLINT	48506
LG04557	1/26/2016	Lead	0	Copper	250			FLINT	48532
LG09686	2/5/2016	Lead	0	Copper	80			FLINT	48532
LG09685	2/5/2016	Lead	0	Copper	290		T	FLINT	48532

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01013	1/20/2016	Lead	0	Copper	190			FLINT	48506
LG04212	1/26/2016	Lead	0	Copper	110			FLINT	48506
LG07647	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG02823	1/23/2016	Lead	4	Copper	0			FLINT	48506
LG04349	1/26/2016	Lead	12	Copper	0			FLINT	48506
LG06736	2/1/2016	Lead	2	Copper	0			FLINT	48506
LG01885	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG10523	2/7/2016	Lead	5	Copper	100			FLINT	
LG05571	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG06477	1/31/2016	Lead	5	Copper	80			FLINT	48504
LG06867	2/1/2016	Lead	[redacted]	Copper	70			FLINT	48507
LG05595	1/28/2016	Lead	[redacted]	Copper	840			FLINT	48503
LG05593	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG05602	1/28/2016	Lead	2	Copper	0		IUE	FLINT	48503
LG07869	2/2/2016	Lead	0	Copper	0			BURTON	48509
LG06800	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG06817	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG08455	2/3/2016	Lead	2	Copper	0			FLINT	48504
LG02549	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG01891	1/21/2016	Lead	2	Copper	60			FLINT	48506
LG01933	1/21/2016	Lead	9	Copper	50			FLINT	48506
LG06564	1/31/2016	Lead	0	Copper	70			FLINT	48505
LF87398	10/13/2015	Lead	0	Copper	0			FLINT	48506
LG07644	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG03809	1/25/2016	Lead	0	Copper	0			FLINT	48532
LG01185	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG07428	2/2/2016	Lead	13	Copper	0			FLINT	
LG09159	2/4/2016	Lead	3	Copper	90			FLINT	48504
LG05239	1/27/2016	Lead	1	Copper	0			FLINT	48504
LG10528	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG01560	1/21/2016	Lead	3	Copper	0			FLINT	48504
LG09799	2/5/2016	Lead	2	Copper	70			FLINT	48504
LG07041	2/1/2016	Lead	3	Copper	50		T	FLINT	48504
LF97973	12/29/2015	Lead	0	Copper	0			FLINT	
LF97977	12/29/2015	Lead	3	Copper	0			FLINT	
LG06948	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG06956	2/1/2016	Lead	1	Copper	60				48503
LG06963	2/1/2016	Lead	0	Copper	0				48503
LG02978	1/24/2016	Lead	7	Copper	130			FLINT	48503
LG02099	1/21/2016	Lead	3	Copper	120			FLINT	48503
LG08345	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG06114	1/29/2016	Lead	0	Copper	0			FLINT	
LG10502	2/7/2016	Lead	1	Copper	0			FLINT	48505
LG08712	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG07928	2/2/2016	Lead	0	Copper	150			FLINT	48505
LG10206	2/6/2016	Lead	0	Copper	120			FLINT	48505
LG06994	2/1/2016	Lead	0	Copper	0			FLINT	48507
LF95918	12/10/2015	Lead	2	Copper	70			FLINT	48506
LG03438	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG02510	1/22/2016	Lead	0	Copper	0			FLINT	48506
LF86510	10/6/2015	Lead	0	Copper	0			FLINT	48506
LF86512	10/6/2015	Lead	0	Copper	0			FLINT	48506
LG06766	2/1/2016	Lead	2	Copper	0			FLINT	48506
LF86495	10/6/2015	Lead	12	Copper	0			FLINT	48506
LG01707	1/21/2016	Lead	15	Copper	140			FLINT	48506
LG09405	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG00524	1/19/2016	Lead	6	Copper	0			FLINT	48506
LG06179	1/29/2016	Lead	2	Copper	0			FLINT	48506
LG09963	2/5/2016	Lead	1	Copper	300			FLINT	
LG07039	2/1/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG06389	1/30/2016	Lead	0	Copper	0			FLINT	48506
LF86520	10/6/2015	Lead	4	Copper	110			FLINT	48506
LG02969	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG05166	1/27/2016	Lead	5	Copper	60		8506	FLINT	
LG08721	2/3/2016	Lead	0	Copper	300		PT 2	FLINT	48503
LG02997	1/24/2016	Lead	4	Copper	0		JE	FLINT	48506
LG07427	2/2/2016	Lead	2	Copper	60			FLINT	48506
LF95930	12/10/2015	Lead	0	Copper	0			FLINT	48506
LG09307	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG08573	2/3/2016	Lead	0	Copper	50			FLINT	48504
LG03581	1/25/2016	Lead	2	Copper	0			FLINT	48507
LG07613	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG03028	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG09412	2/4/2016	Lead	0	Copper	0		K BLVD	FLINT	48503
LG01683	1/21/2016	Lead	5	Copper	70		K BLVD	FLINT	48506
LG02136	1/21/2016	Lead	4	Copper	120		K BLVD	FLINT	
LG04027	1/26/2016	Lead	1	Copper	60		K BLVD	FLINT	48506
LG08305	2/3/2016	Lead	[redacted]	Copper	90		LVD	FLINT	48506
LG02193	1/21/2016	Lead	0	Copper	0		VD	FLINT	
LG03463	1/25/2016	Lead	14	Copper	130			FLINT	48507
LG05737	1/28/2016	Lead	1	Copper	50			FLINT	48507
LG05011	1/27/2016	Lead	0	Copper	0			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG01780	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02807	1/23/2016	Lead	3	Copper	60			FLINT	48504
LG08385	2/3/2016	Lead	[redacted]	Copper	910			FLINT	48504
LG05760	1/28/2016	Lead	5	Copper	90			FLINT	48504
LG06594	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG03558	1/25/2016	Lead	1	Copper	0			FLINT	48504
LG06368	1/30/2016	Lead	0	Copper	260			FLINT	48504
LG03073	1/24/2016	Lead	2	Copper	0			FLINT	48504
LG01670	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG02849	1/23/2016	Lead	13	Copper	0			FLINT	48504
LG02761	1/23/2016	Lead	0	Copper	100			FLINT	48504
LF90465	11/4/2015	Lead	0	Copper	80			FLINT	48504
LG08268	2/3/2016	Lead	0	Copper	80			FLINT	48504
LG08293	2/3/2016	Lead	0	Copper	120			FLINT	48504
LG08294	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08483	2/3/2016	Lead	0	Copper	140			FLINT	48504
LG08781	2/3/2016	Lead	10	Copper	190			FLINT	48504
LF85861	10/1/2015	Lead	2	Copper	0			FLINT	48504
LG06917	2/1/2016	Lead	0	Copper	0			FLINT	48504
LF92719	11/18/2015	Lead	0	Copper	80			FLINT	48504
LG01499	1/21/2016	Lead	[redacted]	Copper	630		E	FLINT	
LG06898	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG06380	1/30/2016	Lead	0	Copper	60			FLINT	48506
LG01672	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG02525	1/22/2016	Lead	14	Copper	100			FLINT	48503
LG05976	1/29/2016	Lead	0	Copper	0		I	FLINT	48503
LF87931	10/16/2015	Lead	5	Copper	240		I	FLINT	48503
LG02900	1/23/2016	Lead	2	Copper	0		I AVE	FLINT	48503
LF85934	10/2/2015	Lead	1	Copper	0			FLINT	48503
LG10485	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG01948	1/21/2016	Lead	0	Copper	0			FLINT	48503
LF85943	10/2/2015	Lead	5	Copper	0			FLINT	48503
LG01357	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG10068	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG09140	2/4/2016	Lead	0	Copper	0		VE	FLINT	48503
LG01245	1/21/2016	Lead	0	Copper	0		VE	FLINT	48503
LG09853	2/5/2016	Lead	0	Copper	60		VE	FLINT	48503
LG00885	1/20/2016	Lead	0	Copper	190		VE	FLINT	48505
LG04063	1/26/2016	Lead	3	Copper	0		VE	FLINT	48503
LF87009	10/8/2015	Lead	6	Copper	70		VE	FLINT	48503
LG04943	1/27/2016	Lead	3	Copper	0		VE	FLINT	48503
LG05994	1/29/2016	Lead	0	Copper	0		VE	FLINT	48503
LG10508	2/7/2016	Lead	0	Copper	0		VE	FLINT	48503
LG09192	2/4/2016	Lead	3	Copper	0		VE	FLINT	48503
LG02361	1/22/2016	Lead	2	Copper	0		VE	FLINT	48503
LG10465	2/7/2016	Lead	0	Copper	0		VE	FLINT	48503
LG06409	1/30/2016	Lead	5	Copper	60		VE	FLINT	48503
LF85949	10/2/2015	Lead	9	Copper	170		VE	FLINT	48503
LG03629	1/25/2016	Lead	0	Copper	180		VE	FLINT	48503
LG03741	1/25/2016	Lead	1	Copper	0		VE	FLINT	48503
LF85944	10/2/2015	Lead	4	Copper	230		VE	FLINT	48503
LF85957	10/2/2015	Lead	0	Copper	0		VE	FLINT	48503
LG10128	2/6/2016	Lead	0	Copper	50		VE	FLINT	48503
LG10214	2/6/2016	Lead	0	Copper	80		VE	FLINT	48503
LF85951	10/2/2015	Lead	1	Copper	50		VE	FLINT	48503
LF85953	10/2/2015	Lead	4	Copper	0		VE	FLINT	48503
LG06778	2/1/2016	Lead	[redacted]	Copper	240		VE		48503
LG01566	1/21/2016	Lead	0	Copper	0		VE	FLINT	48503
LG02919	1/23/2016	Lead	1	Copper	0		VE	FLINT	48503
LF84313	9/23/2015	Lead	2	Copper	70		VE	FLINT	48503
LG07430	2/2/2016	Lead	0	Copper	50		VE	FLINT	48503
LG07638	2/2/2016	Lead	0	Copper	130		VE	FLINT	48503
LG06870	2/1/2016	Lead	0	Copper	0		VE	FLINT	48503
LG04043	1/26/2016	Lead	0	Copper	120		VE	FLINT	48503
LF87414	10/13/2015	Lead	3	Copper	110		VE	FLINT	48503
LG02027	1/21/2016	Lead	2	Copper	50		VE	FLINT	48503
LG01339	1/21/2016	Lead	2	Copper	70		VE	FLINT	48503
LG02623	1/22/2016	Lead	0	Copper	0		VE	FLINT	48503
LG10488	2/7/2016	Lead	1	Copper	0		VE	FLINT	48503
LG03109	1/24/2016	Lead	0	Copper	0		VE	FLINT	48503
LG07083	2/1/2016	Lead	0	Copper	0		VE	FLINT	48503
LG08531	2/3/2016	Lead	1	Copper	0		VE	FLINT	48503
LF92736	11/18/2015	Lead	0	Copper	0		VE	FLINT	48503
LG05152	1/27/2016	Lead	4	Copper	0		VE	FLINT	48503
LG02929	1/23/2016	Lead	4	Copper	140		VE	FLINT	48503
LG06921	2/1/2016	Lead	0	Copper	50		VE	FLINT	48503
LG01563	1/21/2016	Lead	1	Copper	50		VE	FLINT	48503
LG09865	2/5/2016	Lead	0	Copper	180			FLINT	48503
LG08311	2/3/2016	Lead	0	Copper	140			FLINT	48503
LF85950	10/2/2015	Lead	2	Copper	410			FLINT	48503
LF85952	10/2/2015	Lead	3	Copper	0			FLINT	48503
LG04754	1/27/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S...	Street Name	City	Zip Code
LG04519	1/26/2016	Lead	0	Copper	60		...ON AVENUE	FLINT	48503
LG10273	2/6/2016	Lead	5	Copper	70			FLINT	48503
LG09702	2/5/2016	Lead	0	Copper	60			FLINT	48503
LG01810	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG06297	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG07940	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG05704	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG07660	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG03553	1/25/2016	Lead	3	Copper	60			FLINT	48503
LG07511	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG05104	1/27/2016	Lead	0	Copper	0			FLINT	48503
LF88975	10/26/2015	Lead	2	Copper	140			FLINT	48503
LF87371	10/13/2015	Lead	3	Copper	160			FLINT	48503
LF99944	1/15/2016	Lead	0	Copper	130				48503
LG01710	1/21/2016	Lead	0	Copper	50			FLINT	48503
LG01661	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG07569	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG03748	1/25/2016	Lead	0	Copper	0				48503
LG01223	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01368	1/21/2016	Lead	2	Copper	0		E	FLINT	48506
LG04206	1/26/2016	Lead	0	Copper	130			FLINT	48506
LG09721	2/5/2016	Lead	9	Copper	0			FLINT	48506
LG08297	2/3/2016	Lead	2	Copper	70			FLINT	48506
LG07721	2/2/2016	Lead	0	Copper	0			FLINT	
LG02553	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG08524	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG07449	2/2/2016	Lead	2	Copper	0			FLINT	48506
LG02370	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG05169	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG02107	1/21/2016	Lead	1	Copper	70			FLINT	48506
LG04294	1/26/2016	Lead	2	Copper	50			FLINT	48506
LG03727	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG05712	1/28/2016	Lead	11	Copper	70			FLINT	48506
LG05473	1/28/2016	Lead	4	Copper	100			FLINT	48506
LG08669	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG01793	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG03161	1/24/2016	Lead	1	Copper	0			FLINT	48506
LG05459	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG01592	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG06309	1/30/2016	Lead	0	Copper	110		NUE	FLINT	48506
LG09275	2/4/2016	Lead	0	Copper	0		NUE	FLINT	48506
LG10088	2/6/2016	Lead	2	Copper	0		NUE	FLINT	48506
LG03915	1/29/2016	Lead	5	Copper	100			FLINT	48503
LG04134	1/26/2016	Lead	0	Copper	0			FLINT	
LG02605	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG07006	2/1/2016	Lead	0	Copper	0			FLINT	48505
LG06056	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG02899	1/23/2016	Lead	0	Copper	0		APT 1	FLINT	48507
LG03035	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG04844	1/27/2016	Lead	0	Copper	150			FLINT	48504
LG05007	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG06859	2/1/2016	Lead	6	Copper	60			FLINT	48504
LG07475	2/2/2016	Lead	0	Copper	140			FLINT	48504
LG03770	1/25/2016	Lead	4	Copper	0			FLINT	48504
LG01622	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG05115	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05277	1/27/2016	Lead	0	Copper	0		)DS DR	FLINT	48504
LG03467	1/25/2016	Lead	0	Copper	0		) DR	FLINT	48507
LG06225	1/29/2016	Lead	0	Copper	0			BURTON	48529
LG06203	1/29/2016	Lead	0	Copper	0			BURTON	48529
LG06227	1/29/2016	Lead	0	Copper	110			BURTON	48529
LG07879	2/2/2016	Lead	0	Copper	0			BURTON	48529
LG00456	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG07040	2/1/2016	Lead	2	Copper	90			FLINT	48503
LG08612	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG01418	1/21/2016	Lead	0	Copper	0		)WNSHIP	FLINT	48504
LG09803	2/5/2016	Lead	0	Copper	60			FLINT	48506
LG05163	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05133	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG06338	1/30/2016	Lead	1	Copper	210			FLINT	48507
LG04178	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG01435	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02089	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG05295	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG09063	2/4/2016	Lead	3	Copper	210			FLINT	48503
LG02774	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG07097	2/1/2016	Lead	14	Copper	70			FLINT	48503
LG05464	1/28/2016	Lead	3	Copper	0			FLINT	48503
LG07656	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG01756	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG06566	1/31/2016	Lead	5	Copper	150			FLINT	48503
LG07480	2/2/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07634	2/2/2016	Lead	0	Copper	0			FLINT	
LG09059	2/4/2016	Lead	0	Copper	170			FLINT	48503
LG09682	2/5/2016	Lead	4	Copper	60			FLINT	48503
LG05489	1/28/2016	Lead	4	Copper	180		ER	FLINT	48505
LG06992	2/1/2016	Lead	3	Copper	100		ER AVE	FLINT	48505
LG06811	2/1/2016	Lead	0	Copper	810		KER AVE	FLINT	48505
LG07936	2/2/2016	Lead	5	Copper	200			FLINT	48503
LG02844	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG09739	2/5/2016	Lead	2	Copper	70			FLINT	48503
LG00936	1/20/2016	Lead	2	Copper	0			FLINT	48503
LG06670	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06395	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG05957	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG09873	2/5/2016	Lead	1	Copper	60			FLINT	48503
LG05666	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05668	1/28/2016	Lead	2	Copper	50			FLINT	48503
LG05968	1/29/2016	Lead	2	Copper	110			FLINT	48503
LG07432	2/2/2016	Lead	1	Copper	90			FLINT	48503
LG04392	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04505	1/26/2016	Lead	[redacted]	Copper	180			FLINT	48503
LF99144	1/7/2016	Lead	0	Copper	60			FLINT	
LG00494	1/19/2016	Lead	0	Copper	90			FLINT	48503
LG08718	2/3/2016	Lead	0	Copper	0			FLINT	48503
LF99918	1/15/2016	Lead	0	Copper	0				
LG01448	1/21/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG06546	1/31/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG09870	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09860	2/5/2016	Lead	15	Copper	130			FLINT	48503
LG09871	2/5/2016	Lead	[redacted]	Copper	310			FLINT	48503
LG09471	2/4/2016	Lead	1	Copper	50		EET	FLINT	48503
LG08529	2/3/2016	Lead	2	Copper	0		EET	FLINT	48503
LG02746	1/23/2016	Lead	0	Copper	0		R	FLINT	48504
LG09911	2/5/2016	Lead	2	Copper	0		RIVE	FLINT	48504
LG00537	1/19/2016	Lead	0	Copper	380			FLINT	48507
LG02912	1/23/2016	Lead	0	Copper	120			FLINT	48507
LF87375	10/13/2015	Lead	7	Copper	300			FLINT	48507
LG04788	1/27/2016	Lead	3	Copper	410			FLINT	48507
LG01199	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG03556	1/25/2016	Lead	0	Copper	90			FLINT	48507
LG10134	2/6/2016	Lead	6	Copper	70			FLINT	48504
LG10192	2/6/2016	Lead	6	Copper	0			FLINT	48504
LG10150	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG03622	1/25/2016	Lead	6	Copper	0			FLINT	48504
LG04054	1/26/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG00556	1/19/2016	Lead	[redacted]	Copper	440				
LG05147	1/27/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG09387	2/4/2016	Lead	[redacted]	Copper	210			FLINT	48504
LG09647	2/5/2016	Lead	1	Copper	60			FLINT	48506
LG02104	1/21/2016	Lead	[redacted]	Copper	110			FLINT	48506
LG06308	1/30/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG07854	2/2/2016	Lead	0	Copper	80			FLINT	48506
LF87410	10/13/2015	Lead	2	Copper	310			FLINT	48503
LG08741	2/3/2016	Lead	0	Copper	0			FLINT	
LG10232	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG05465	1/28/2016	Lead	9	Copper	0				48503
LG05292	1/27/2016	Lead	4	Copper	0			FLINT	48503
LG10532	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG07472	2/2/2016	Lead	2	Copper	0			FLINT	48503
LG06771	2/1/2016	Lead	0	Copper	80			FLINT	48503
LG05291	1/27/2016	Lead	1	Copper	0			BURTON MICH	48509
LG02005	1/21/2016	Lead	0	Copper	0		18	FLINT	48503
LG09218	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG00937	1/20/2016	Lead	2	Copper	180			FLINT	48503
LG02728	1/23/2016	Lead	4	Copper	190		210	FLINT	48503
LG05510	1/28/2016	Lead	0	Copper	60			FLINT	48504
LG08661	2/3/2016	Lead	3	Copper	0		T	FLINT	48503
LG04926	1/27/2016	Lead	2	Copper	60		T	FLINT	48503
LG09683	2/5/2016	Lead	1	Copper	0		T	FLINT	
LG01657	1/21/2016	Lead	6	Copper	80		T	FLINT	48503
LG03539	1/25/2016	Lead	7	Copper	220		T	FLINT	48503
LG03580	1/25/2016	Lead	6	Copper	100		T	FLINT	48532
LG05928	1/29/2016	Lead	[redacted]	Copper	880		T	FLINT	
LG05919	1/29/2016	Lead	0	Copper	50		T	FLINT	48532
LG01292	1/21/2016	Lead	0	Copper	110		T	FLINT	48532
LG07545	2/2/2016	Lead	1	Copper	90		T	FLINT	48532
LG02771	1/23/2016	Lead	0	Copper	50		T	FLINT	48532
LG08317	2/3/2016	Lead	0	Copper	0		T	FLINT	48532
LG08319	2/3/2016	Lead	0	Copper	50		T	FLINT	48532
LG07808	2/2/2016	Lead	0	Copper	80		T	FLINT	48504
LG04257	1/26/2016	Lead	0	Copper	0			MONTROSE	48457

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG06592	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06667	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06892	2/1/2016	Lead	4	Copper	120			FLINT	48507
LG02229	1/21/2016	Lead	0	Copper	110			FLINT	48507
LF87431	10/13/2015	Lead	0	Copper	70			FLINT	48507
LG05038	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05081	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG06593	1/31/2016	Lead	4	Copper	130			FLINT	48507
LG09396	2/4/2016	Lead	0	Copper	190			FLINT	48507
LG02468	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG04483	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG05139	1/27/2016	Lead	2	Copper	140			FLINT	48507
LG02593	1/22/2016	Lead	0	Copper	50			FLINT	48507
LG02913	1/23/2016	Lead	[redacted]	Copper	190			FLINT	48507
LF89524	10/30/2015	Lead	0	Copper	0			FLINT	
LG04540	1/26/2016	Lead	1	Copper	130				48507
LG05761	1/28/2016	Lead	1	Copper	80			FLINT	48507
LF85612	9/30/2015	Lead	2	Copper	150			FLINT	48507
LG07922	2/2/2016	Lead	1	Copper	240			FLINT	48507
LG07615	2/2/2016	Lead	0	Copper	100			FLINT	48507
LG10499	2/7/2016	Lead	0	Copper	0			FLINT	48507
LF92699	11/18/2015	Lead	0	Copper	120			FLINT	48507
LG05590	1/28/2016	Lead	4	Copper	90		IVE	FLINT	48507
LG04264	1/26/2016	Lead	1	Copper	60		IVE	FLINT	48507
LG09328	2/4/2016	Lead	0	Copper	0		IVE		48507
LG07915	2/2/2016	Lead	2	Copper	190		IVE	FLINT	48507
LG06974	2/1/2016	Lead	0	Copper	60		IVE	FLINT	48507
LG01276	1/21/2016	Lead	0	Copper	0		IVE	FLINT	48507
LG05951	1/29/2016	Lead	0	Copper	0		IVE	FLINT	48507
LG00459	1/19/2016	Lead	0	Copper	70			FLINT	48507
LG06365	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG06145	1/29/2016	Lead	0	Copper	0		T	FLINT	48505
LG08738	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG10177	2/6/2016	Lead	0	Copper	70			FLINT	48504
LG08758	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08604	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG04275	1/26/2016	Lead	0	Copper	50			FLINT	48504
LG10145	2/6/2016	Lead	0	Copper	70			FLINT	48504
LG01615	1/21/2016	Lead	2	Copper	100			FLINT	48504
LG02668	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG04847	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05193	1/27/2016	Lead	1	Copper	0			FLINT	48504
LG10205	2/6/2016	Lead	4	Copper	220			FLINT	48504
LF99927	1/15/2016	Lead	1	Copper	70			FLINT	48504
LF99928	1/15/2016	Lead	0	Copper	50			FLINT	
LF99930	1/15/2016	Lead	[redacted]	Copper	110			FLINT	48504
LG00010	1/15/2016	Lead	0	Copper	360			FLINT	48504
LG06582	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG09480	2/4/2016	Lead	2	Copper	150			FLINT	48504
LG08271	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG05102	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG01501	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG05909	1/29/2016	Lead	0	Copper	0			FLINT	
LG09904	2/5/2016	Lead	1	Copper	0			FLINT	48504
LG10020	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG01659	1/21/2016	Lead	[redacted]	Copper	160			FLINT	48504
LG03784	1/25/2016	Lead	1	Copper	0			FLINT	48504
LG00004	1/15/2016	Lead	11	Copper	390		UKES NEW LIFE CEN	FLINT	48504
LG00005	1/15/2016	Lead	4	Copper	60		UKES NEW LIFE CEN	FLINT	48504
LG03650	1/25/2016	Lead	7	Copper	100			FLINT	48503
LG10064	2/6/2016	Lead	4	Copper	0			FLINT	48503
LG06899	2/1/2016	Lead	7	Copper	150			FLINT	48503
LG02341	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG07047	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG07971	2/2/2016	Lead	0	Copper	80			FLINT	48504
LG01300	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG10072	2/6/2016	Lead	4	Copper	100			FLINT	48504
LG10119	2/6/2016	Lead	0	Copper	50			FLINT	48504
LG01966	1/21/2016	Lead	2	Copper	200			FLINT	48506
LG02310	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG00988	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG07582	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG01870	1/21/2016	Lead	0	Copper	120			FLINT	48507
LG09679	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG05035	1/27/2016	Lead	3	Copper	60			FLINT	48507
LG07062	2/1/2016	Lead	0	Copper	0		E	FLINT	48507
LG04243	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04353	1/26/2016	Lead	[redacted]	Copper	80			FLINT	48506
LG10577	2/7/2016	Lead	0	Copper	0			FLINT	48506
LF97350	12/18/2015	Lead	[redacted]	Copper	150			FLINT	48506
LG02366	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG05098	1/27/2016	Lead	[redacted]	Copper	110			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG06128	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG00825	1/20/2016	Lead	2	Copper	0			FLINT	48506
LG00847	1/20/2016	Lead	3	Copper	0			FLINT	48506
LG06472	1/31/2016	Lead	15	Copper	0			FLINT	48506
LF97920	12/29/2015	Lead	11	Copper	60			FLINT	48506
LG04567	1/26/2016	Lead	[redacted]	Copper	50			FLINT	48506
LG06918	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG08280	2/3/2016	Lead	7	Copper	0			FLINT	48506
LG08657	2/3/2016	Lead	6	Copper	120			FLINT	48506
LG06559	1/31/2016	Lead	0	Copper	50			FLINT	48506
LG05477	1/28/2016	Lead	0	Copper	0			FLINT	
LG05041	1/27/2016	Lead	7	Copper	120			FLINT	48506
LG02474	1/22/2016	Lead	3	Copper	250			FLINT	48506
LG08370	2/3/2016	Lead	1	Copper	70			FLINT	48506
LG01800	1/21/2016	Lead	1	Copper	0			FLINT	48506
LG07771	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG00508	1/19/2016	Lead	1	Copper	0			FLINT	48506
LG04532	1/26/2016	Lead	0	Copper	380			FLINT	48506
LG02530	1/22/2016	Lead	0	Copper	120			FLINT	48505
LF94277	12/2/2015	Lead	10	Copper	250			FLINT	48506
LF94288	12/2/2015	Lead	0	Copper	0			FLINT	48506
LG01825	1/21/2016	Lead	0	Copper	0			FLINT	48506
LF87390	10/13/2015	Lead	[redacted]	Copper	70			FLINT	48506
LG06117	1/29/2016	Lead	4	Copper	0			FLINT	48506
LG05182	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG01002	1/20/2016	Lead	1	Copper	60			FLINT	48506
LG06872	2/1/2016	Lead	3	Copper	0			FLINT	48506
LG07724	2/2/2016	Lead	4	Copper	0			FLINT	48506
LG03135	1/24/2016	Lead	0	Copper	110			FLINT	48506
LG01465	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG03443	1/25/2016	Lead	0	Copper	60		APT #1	FLINT	48506
LG06161	1/29/2016	Lead	1	Copper	50			FLINT	48507
LG05610	1/28/2016	Lead	2	Copper	80			FLINT	48507
LG06601	1/31/2016	Lead	0	Copper	280			FLINT	48507
LG00928	1/20/2016	Lead	10	Copper	70			FLINT	48507
LG03563	1/25/2016	Lead	3	Copper	150			FLINT	48507
LG01714	1/21/2016	Lead	0	Copper	60			FLINT	48507
LF87433	10/13/2015	Lead	1	Copper	0			FLINT	
LG06660	1/31/2016	Lead	6	Copper	0			FLINT	48507
LG04186	1/26/2016	Lead	3	Copper	0			FLINT	48507
LG02565	1/22/2016	Lead	4	Copper	70			FLINT	48507
LG04185	1/26/2016	Lead	6	Copper	60			FLINT	48507
LG01273	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG09928	2/5/2016	Lead	0	Copper	120			FLINT	48507
LG00826	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG07642	2/2/2016	Lead	1	Copper	0			FLINT	48507
LG06343	1/30/2016	Lead	10	Copper	60			FLINT	48507
LG09887	2/5/2016	Lead	2	Copper	0			FLINT	48507
LG02622	1/22/2016	Lead	3	Copper	0			FLINT	48507
LG01905	1/21/2016	Lead	2	Copper	60			FLINT	48507
LG00991	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG07876	2/2/2016	Lead	4	Copper	0			FLINT	48507
LG01811	1/21/2016	Lead	2	Copper	0		T	FLINT	48507
LG02213	1/21/2016	Lead	[redacted]	Copper	0		T	FLINT	48507
LG01252	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG06841	2/1/2016	Lead	8	Copper	0			FLINT	48504
LG00929	1/20/2016	Lead	0	Copper	0			FLINT	48504
LG05188	1/27/2016	Lead	0	Copper	0			FLINT	
LG03632	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG02814	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG00543	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG10481	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG10098	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG09385	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG01766	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG08448	2/3/2016	Lead	1	Copper	110			FLINT	48507
LG01456	1/21/2016	Lead	1	Copper	90			FLINT	48507
LG08331	2/3/2016	Lead	0	Copper	250			FLINT	48507
LG01436	1/21/2016	Lead	11	Copper	80			FLINT	48507
LG03466	1/25/2016	Lead	0	Copper	80			FLINT	
LF88301	10/20/2015	Lead	4	Copper	90			FLINT	48507
LG08328	2/3/2016	Lead	[redacted]	Copper	180			FLINT	48507
LG02202	1/21/2016	Lead	[redacted]	Copper	100			FLINT	
LG01851	1/21/2016	Lead	4	Copper	90			FLINT	48507
LG02041	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG10503	2/7/2016	Lead	3	Copper	100			FLINT	48507
LG01745	1/21/2016	Lead	0	Copper	160			FLINT	48507
LG06852	2/1/2016	Lead	1	Copper	70			FLINT	48507
LG03450	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG06169	1/29/2016	Lead	2	Copper	90			FLINT	48506
LG10563	2/7/2016	Lead	2	Copper	80			FLINT	48506
LG05078	1/27/2016	Lead	1	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG06772	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG03084	1/24/2016	Lead	2	Copper	0			FLINT	48506
LG05684	1/28/2016	Lead	4	Copper	140			FLINT	48506
LG09372	2/4/2016	Lead	2	Copper	0			FLINT	48506
LG02226	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG07550	2/2/2016	Lead	8	Copper	390		T	FLINT	48506
LG00570	1/19/2016	Lead	1	Copper	0				48506
LG05476	1/28/2016	Lead	2	Copper	0			FLINT	48506
LG05461	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG07784	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG00515	1/19/2016	Lead	0	Copper	80		E	FLINT	48507
LG01554	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG08359	2/3/2016	Lead	0	Copper	130			FLINT	48532
LG03674	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG09905	2/5/2016	Lead	1	Copper	0			FLINT	48505
LG06482	1/31/2016	Lead	0	Copper	0			FLINT	48505
LG03098	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG06132	1/29/2016	Lead	0	Copper	70			FLINT	48505
LG07944	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG05153	1/27/2016	Lead	1	Copper	0			FLINT	48505
LF94282	12/2/2015	Lead	8	Copper	0			FLINT	58507
LG04129	1/26/2016	Lead	4	Copper	0			FLINT	48507
LG01272	1/21/2016	Lead	5	Copper	60			FLINT	48507
LG08391	2/3/2016	Lead	0	Copper	120			FLINT	48507
LG09096	2/4/2016	Lead	5	Copper	60			FLINT	48507
LG02410	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG08386	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG09299	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG00961	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG01568	1/21/2016	Lead	4	Copper	0			FLINT	48507
LG10222	2/6/2016	Lead	4	Copper	0			FLINT	48507
LG07499	2/2/2016	Lead	3	Copper	0			FLINT	
LG07001	2/1/2016	Lead	[redacted]	Copper	100			FLINT	48507
LG10215	2/6/2016	Lead	0	Copper	70			FLINT	48507
LG07873	2/2/2016	Lead	13	Copper	260			FLINT	48507
LG06314	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG01322	1/21/2016	Lead	[redacted]	Copper	300			FLINT	48507
LF87373	10/13/2015	Lead	14	Copper	230			FLINT	48507
LG04273	1/26/2016	Lead	0	Copper	90			FLINT	48507
LG09465	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09103	2/4/2016	Lead	1	Copper	0			FLINT	48507
LG07554	2/2/2016	Lead	15	Copper	0			FLINT	48507
LG07407	2/2/2016	Lead	9	Copper	120			FLINT	48507
LG01720	1/21/2016	Lead	7	Copper	0			FLINT	48507
LG03661	1/25/2016	Lead	1	Copper	0		FLINT	FLINT	
LG04401	1/26/2016	Lead	4	Copper	130			FLINT	48503
LG06468	1/31/2016	Lead	0	Copper	360			FLINT	48503
LG02406	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG06787	2/1/2016	Lead	[redacted]	Copper	160		E	FLINT	48503
LG04761	1/27/2016	Lead	[redacted]	Copper	0		E	FLINT	48503
LG07517	2/2/2016	Lead	0	Copper	60			FLINT	48532
LG02889	1/23/2016	Lead	6	Copper	100			FLINT	48507
LG01736	1/21/2016	Lead	2	Copper	0		E	FLINT	48503
LG10193	2/6/2016	Lead	5	Copper	0			FLINT	48503
LG01348	1/21/2016	Lead	3	Copper	60			FLINT	48503
LF99915	1/15/2016	Lead	4	Copper	160		E		48503
LG04824	1/27/2016	Lead	1	Copper	0		E	FLINT	48503
LF87943	10/16/2015	Lead	4	Copper	70		E	FLINT	48503
LG04298	1/26/2016	Lead	14	Copper	160		E	FLINT	48503
LG01847	1/21/2016	Lead	0	Copper	0		16	FLINT	48507
LG07453	2/2/2016	Lead	8	Copper	140		LVD	FLINT	48503
LG04774	1/27/2016	Lead	[redacted]	Copper	250			FLINT	48503
LG04307	1/26/2016	Lead	0	Copper	60			FLINT	48503
LG00497	1/19/2016	Lead	0	Copper	50			FLINT	48507
LG06874	2/1/2016	Lead	0	Copper	0			FLINT	48507
LF99143	1/7/2016	Lead	0	Copper	0			FLINT	
LG04806	1/27/2016	Lead	2	Copper	0		LVD	FLINT	48503
LG03605	1/25/2016	Lead	3	Copper	0		LVD	FLINT	48503
LG03092	1/24/2016	Lead	1	Copper	50		LVD	FLINT	48503
LG08550	2/3/2016	Lead	[redacted]	Copper	0		LVD	FLINT	
LG06289	1/30/2016	Lead	2	Copper	310		LVD	FLINT	48503
LG10486	2/7/2016	Lead	2	Copper	0		LVD	FLINT	48503
LG03686	1/25/2016	Lead	[redacted]	Copper	170		LVD	FLINT	48503
LG03697	1/25/2016	Lead	[redacted]	Copper	1,150		LVD	FLINT	
LG09146	2/4/2016	Lead	0	Copper	0		LVD	FLINT	48507
LG09135	2/4/2016	Lead	0	Copper	0		LVD	FLINT	48507
LG00606	1/19/2016	Lead	0	Copper	0		LVD	FLINT	48507
LG01921	1/21/2016	Lead	[redacted]	Copper	0		LVD	FLINT	48507
LG09748	2/5/2016	Lead	3	Copper	250		LVD APT B 16	FLINT	48503
LG03006	1/24/2016	Lead	6	Copper	60		VE	FLINT	48503
LG07557	2/2/2016	Lead	0	Copper	0			FLINT	
LG02016	1/21/2016	Lead	0	Copper	150			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG08466	2/3/2016	Lead	1	Copper	0		T	FLINT	48507
LG08478	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG01201	1/21/2016	Lead	0	Copper	220			FLINT	48507
LG06075	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06103	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG09849	2/5/2016	Lead	1	Copper	100			FLINT	48507
LG09882	2/5/2016	Lead	3	Copper	100			FLINT	48507
LG01876	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG08357	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG03115	1/24/2016	Lead	1	Copper	50		E	FLINT	48507
LG04820	1/27/2016	Lead	0	Copper	110		E	FLINT	48507
LG01743	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG02626	1/22/2016	Lead	0	Copper	0		E	FLINT	48507
LG03119	1/24/2016	Lead	4	Copper	110		E	FLINT	48507
LG06316	1/30/2016	Lead	3	Copper	170		E	FLINT	48507
LG02876	1/23/2016	Lead	0	Copper	100		E	FLINT	48507
LG06451	1/30/2016	Lead	[redacted]	Copper	1,170			FLINT	48532
LG00466	1/19/2016	Lead	2	Copper	0			FLINT	48505
LG10586	2/7/2016	Lead	12	Copper	0			FLINT	48505
LG02001	1/21/2016	Lead	4	Copper	70			FLINT	48506
LG03439	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG01861	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02092	1/21/2016	Lead	0	Copper	90			FLINT	
LG06972	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06748	2/1/2016	Lead	[redacted]	Copper	70			FLINT	48506
LG04531	1/26/2016	Lead	2	Copper	60			FLINT	48506
LG06739	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06621	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG09365	2/4/2016	Lead	0	Copper	230			FLINT	48506
LF91290	11/9/2015	Lead	0	Copper	60			FLINT	48506
LG06403	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06144	1/29/2016	Lead	2	Copper	140			FLINT	48505
LG06378	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG07807	2/2/2016	Lead	3	Copper	100			FLINT	48503
LG05739	1/28/2016	Lead	11	Copper	120			FLINT	48507
LG03010	1/24/2016	Lead	0	Copper	110			FLINT	48503
LG01459	1/21/2016	Lead	0	Copper	200			FLINT	48503
LG03624	1/25/2016	Lead	0	Copper	140			FLINT	48503
LG07426	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG01856	1/21/2016	Lead	0	Copper	160			FLINT	48503
LG04092	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG07034	2/1/2016	Lead	0	Copper	180			FLINT	48503
LG04817	1/27/2016	Lead	0	Copper	120			FLINT	48503
LG00957	1/20/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG02946	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG00496	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG01320	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG08436	2/3/2016	Lead	0	Copper	80		R	FLINT	48507
LG06590	1/31/2016	Lead	0	Copper	60			FLINT	48507
LG07084	2/1/2016	Lead	2	Copper	80			FLINT	48507
LG07071	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG02155	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG03651	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG00481	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG10209	2/6/2016	Lead	2	Copper	80			FLINT	48507
LG00843	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG08782	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG09678	2/5/2016	Lead	0	Copper	140			FLINT	48507
LG04882	1/27/2016	Lead	2	Copper	60			FLINT	48507
LG03731	1/25/2016	Lead	0	Copper	70			FLINT	48507
LG03079	1/24/2016	Lead	1	Copper	70			FLINT	48507
LG02630	1/22/2016	Lead	2	Copper	80		VE	FLINT	48507
LG03644	1/25/2016	Lead	0	Copper	240		VE	FLINT	48507
LG05572	1/28/2016	Lead	1	Copper	80		VE	FLINT	48507
LG09288	2/4/2016	Lead	2	Copper	0		VE	FLINT	
LG06937	2/1/2016	Lead	0	Copper	90			FLINT	48503
LG05178	1/27/2016	Lead	0	Copper	180			FLINT	
LG06490	1/31/2016	Lead	5	Copper	220			FLINT	48506
LG10216	2/6/2016	Lead	8	Copper	120			FLINT	48503
LG06410	1/30/2016	Lead	1	Copper	60			FLINT	48503
LG06407	1/30/2016	Lead	0	Copper	0			FLINT	
LG01188	1/21/2016	Lead	0	Copper	0			FLINT	48503
LF99167	1/7/2016	Lead	0	Copper	0			FLINT	
LG07429	2/2/2016	Lead	0	Copper	130			FLINT	48503
LG04410	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG06176	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG09449	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG02934	1/23/2016	Lead	1	Copper	190			FLINT	48503
LG07098	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG07099	2/1/2016	Lead	6	Copper	0			FLINT	48503
LG09736	2/5/2016	Lead	0	Copper	60			FLINT	
LF92720	11/18/2015	Lead	2	Copper	70			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG05627	1/28/2016	Lead	2	Copper	130			FLINT	48503
LG03123	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03021	1/24/2016	Lead	3	Copper	0			FLINT	48503
LG03586	1/25/2016	Lead	1	Copper	0			FLINT	
LG07467	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07488	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG09954	2/5/2016	Lead	10	Copper	0			FLINT	48503
LG04233	1/26/2016	Lead	0	Copper	70			FLINT	48503
LG09841	2/5/2016	Lead	0	Copper	70				
LG04086	1/26/2016	Lead	1	Copper	70			FLINT	48503
LF97934	12/29/2015	Lead	0	Copper	0		11	FLINT	48505
LG03524	1/25/2016	Lead	6	Copper	0			FLINT	48503
LF97972	12/29/2015	Lead	[redacted]	Copper	160			FLINT	48505
LF97976	12/29/2015	Lead	15	Copper	210			FLINT	48505
LF99923	1/15/2016	Lead	3	Copper	0			FLINT	48505
LF99956	1/15/2016	Lead	0	Copper	0			FLINT	48505
LF99964	1/15/2016	Lead	5	Copper	0			FLINT	48505
LF99965	1/15/2016	Lead	[redacted]	Copper	340			FLINT	48505
LG00001	1/15/2016	Lead	10	Copper	340			FLINT	48505
LG00002	1/15/2016	Lead	2	Copper	0			FLINT	48505
LG00006	1/15/2016	Lead	3	Copper	0			FLINT	48505
LG00008	1/15/2016	Lead	[redacted]	Copper	190		E	FLINT	48505
LG06186	1/29/2016	Lead	[redacted]	Copper	60		E	FLINT	48505
LG03506	1/25/2016	Lead	0	Copper	0		E	FLINT	48505
LG02156	1/21/2016	Lead	[redacted]	Copper	90		E	FLINT	48505
LG05699	1/28/2016	Lead	2	Copper	140		E	FLINT	48505
LF97981	12/29/2015	Lead	4	Copper	110		E SALEM LUTHERAN CH	FLINT	
LG05088	1/27/2016	Lead	[redacted]	Copper	270		/D	FLINT	48505
LF97980	12/29/2015	Lead	12	Copper	170		EM LUTHERAN CHURCH	FLINT	48505
LF97982	12/29/2015	Lead	0	Copper	280		EM LUTHERAN CHURCH	FLINT	
LG01804	1/21/2016	Lead	0	Copper	250			FLINT	48506
LG07620	2/2/2016	Lead	[redacted]	Copper	590			FLINT	48506
LG01940	1/21/2016	Lead	11	Copper	0			FLINT	48506
LG07980	2/2/2016	Lead	[redacted]	Copper	210		UE	FLINT	48506
LF93592	11/24/2015	Lead	0	Copper	0		D AVE	FLINT	48507
LG05305	1/27/2016	Lead	2	Copper	150		D AVE	FLINT	48507
LF85942	10/2/2015	Lead	1	Copper	0		D	FLINT	48507
LG06651	1/31/2016	Lead	3	Copper	120		D AVE	FLINT	
LG09673	2/5/2016	Lead	5	Copper	110		D AVE	FLINT	48507
LG09300	2/4/2016	Lead	11	Copper	120		D AVE	FLINT	48507
LG06291	1/30/2016	Lead	0	Copper	0		D AVE	FLINT	48507
LG01947	1/21/2016	Lead	0	Copper	0		D AVE	FLINT	48507
LG00996	1/20/2016	Lead	0	Copper	0		D AVE	FLINT	48507
LG00518	1/19/2016	Lead	0	Copper	0		D AVE	FLINT	48507
LG02384	1/22/2016	Lead	0	Copper	0		D AVE	FLINT	
LF99912	1/15/2016	Lead	11	Copper	70		D AVE	FLINT	48505
LG06851	2/1/2016	Lead	11	Copper	130		D AVE	FLINT	48507
LG02010	1/21/2016	Lead	1	Copper	80		D AVENUE	FLINT	48507
LF99165	1/7/2016	Lead	1	Copper	50			FLINT	
LG05210	1/27/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG07487	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG04246	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG00591	1/19/2016	Lead	5	Copper	0				48504
LG07811	2/2/2016	Lead	2	Copper	0			FLINT	48504
LG02484	1/22/2016	Lead	2	Copper	130			FLINT	48504
LF95913	12/10/2015	Lead	3	Copper	0			FLINT	48504
LG01205	1/21/2016	Lead	0	Copper	120			FLINT	48504
LG05548	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05135	1/27/2016	Lead	7	Copper	210			FLINT	48504
LG05186	1/27/2016	Lead	3	Copper	410			FLINT	48504
LG00886	1/20/2016	Lead	0	Copper	100			FLINT	48504
LG06384	1/30/2016	Lead	0	Copper	0			FLINT	48504
LG09195	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09197	2/4/2016	Lead	0	Copper	70			FLINT	48504
LG06362	1/30/2016	Lead	2	Copper	0		AD	FLINT	48504
LG09785	2/5/2016	Lead	3	Copper	130		AD	FLINT	48504
LG07833	2/2/2016	Lead	0	Copper	60		AD	FLINT	48504
LG03604	1/25/2016	Lead	3	Copper	150		AD	FLINT	48504
LG05494	1/28/2016	Lead	1	Copper	[redacted]		D	FLINT	48504
LG01271	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG04204	1/26/2016	Lead	2	Copper	210			FLINT	48503
LG05108	1/27/2016	Lead	1	Copper	0		OR	FLINT	48504
LG05982	1/29/2016	Lead	11	Copper	0		A AVE	FLINT	48503
LG02620	1/22/2016	Lead	3	Copper	70			FLINT	48505
LG10152	2/6/2016	Lead	0	Copper	70			FLINT	48505
LG07441	2/2/2016	Lead	3	Copper	140			FLINT	48507
LG04945	1/27/2016	Lead	2	Copper	0			FLINT	48507
LG02875	1/23/2016	Lead	11	Copper	80			FLINT	
LG06227	1/29/2016	Lead	3	Copper	0			FLINT	48507
LG03101	1/24/2016	Lead	2	Copper	0		REET	FLINT	48507
LG06263	1/30/2016	Lead	3	Copper	0			FLINT	48504
LG01897	1/21/2016	Lead	0	Copper	60			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG09451	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG06931	2/1/2016	Lead	6	Copper	90			FLINT	48504
LG10477	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG07923	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG03548	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG04099	1/26/2016	Lead	1	Copper	180			FLINT	48504
LG08600	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG03011	1/24/2016	Lead	0	Copper	140			FLINT	48504
LG01769	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG04065	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04829	1/27/2016	Lead	0	Copper	50			FLINT	48504
LG02533	1/22/2016	Lead	4	Copper	0			FLINT	48504
LG02590	1/22/2016	Lead	0	Copper	120		ET	FLINT	48504
LG01255	1/21/2016	Lead	6	Copper	120			FLINT	48504
LG10057	2/6/2016	Lead	2	Copper	0			FLINT	48503
LG09413	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG02181	1/21/2016	Lead	[redacted]	Copper	160			FLINT	48503
LG04033	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG08500	2/3/2016	Lead	3	Copper	0			FLINT	48503
LG06895	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG03559	1/25/2016	Lead	0	Copper	70			FLINT	48503
LG05587	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG09157	2/4/2016	Lead	0	Copper	240			FLINT	48503
LG05624	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG09662	2/5/2016	Lead	2	Copper	200			FLINT	48503
LG07741	2/2/2016	Lead	5	Copper	60			FLINT	48503
LF99894	1/15/2016	Lead	2	Copper	0			FLINT	48503
LG02058	1/21/2016	Lead	0	Copper	0		14	FLINT	48503
LG00547	1/19/2016	Lead	0	Copper	0			FLINT	48532
LG10122	2/6/2016	Lead	0	Copper	0		E	FLINT	48532
LG01818	1/21/2016	Lead	0	Copper	80		E	FLINT	48532
LG08628	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG05603	1/28/2016	Lead	1	Copper	70		E	FLINT	48532
LG05519	1/28/2016	Lead	[redacted]	Copper	80		E	FLINT	
LG05297	1/27/2016	Lead	0	Copper	0		E	FLINT	48532
LG03031	1/24/2016	Lead	[redacted]	Copper	480		E	FLINT	48532
LG01396	1/21/2016	Lead	7	Copper	230		E	FLINT	48532
LG09314	2/4/2016	Lead	9	Copper	80		E	FLINT	48503
LG02091	1/21/2016	Lead	0	Copper	0		E	FLINT	48503
LG08511	2/3/2016	Lead	0	Copper	0		W	FLINT	48504
LG02635	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG05249	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG07902	2/2/2016	Lead	8	Copper	190			FLINT	48507
LG03027	1/24/2016	Lead	7	Copper	50			FLINT	48506
LG07885	2/2/2016	Lead	0	Copper	0		ANE	FLINT	48507
LG03695	1/25/2016	Lead	3	Copper	0		VE	FLINT	48506
LF87063	10/8/2015	Lead	2	Copper	0		VE	FLINT	48502
LG04291	1/26/2016	Lead	3	Copper	0		VE	FLINT	48506
LG07044	2/1/2016	Lead	2	Copper	0		VE	FLINT	48506
LF85289	9/29/2015	Lead	10	Copper	90		VE	FLINT	48506
LF91272	11/9/2015	Lead	[redacted]	Copper	100		VE	FLINT	48506
LG00561	1/19/2016	Lead	3	Copper	80		VE	FLINT	48506
LG09705	2/5/2016	Lead	3	Copper	70			FLINT	48506
LG05478	1/28/2016	Lead	2	Copper	50			FLINT	48505
LG05499	1/28/2016	Lead	3	Copper	0			FLINT	48505
LG06487	1/31/2016	Lead	1	Copper	0			FLINT	48505
LG01441	1/21/2016	Lead	0	Copper	0			FLINT	
LG05940	1/29/2016	Lead	1	Copper	80			FLINT	48505
LG10585	2/7/2016	Lead	2	Copper	60			FLINT	48505
LG03681	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG04951	1/27/2016	Lead	0	Copper	0		V DR	FLINT	48504
LG04272	1/26/2016	Lead	0	Copper	80			FLINT	48507
LG08694	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG06430	1/30/2016	Lead	0	Copper	70			FLINT	48507
LG08554	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG07798	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07070	2/1/2016	Lead	0	Copper	0			FLINT	48057
LG07072	2/1/2016	Lead	4	Copper	0			FLINT	48507
LG03529	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG01538	1/21/2016	Lead	0	Copper	90			FLINT	48507
LG01393	1/21/2016	Lead	2	Copper	60			FLINT	48507
LG05959	1/29/2016	Lead	13	Copper	0			FLINT	48507
LG05961	1/29/2016	Lead	4	Copper	0			FLINT	48507
LG06088	1/29/2016	Lead	6	Copper	170			FLINT	48507
LG01206	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG09292	2/4/2016	Lead	2	Copper	0			FLINT	48507
LG02887	1/23/2016	Lead	12	Copper	170			FLINT	48507
LG00479	1/19/2016	Lead	0	Copper	0			FLINT	
LG09898	2/5/2016	Lead	0	Copper	140			FLINT	48504
LG06187	1/29/2016	Lead	7	Copper	60			FLINT	
LG05125	1/27/2016	Lead	2	Copper	100			FLINT	48504
LG01910	1/21/2016	Lead	[redacted]	Copper	300			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LF88292	10/20/2015	Lead	0	Copper	50			FLINT	48504
LG04034	1/26/2016	Lead	0	Copper	0		VE	FLINT	48504
LG05745	1/28/2016	Lead	6	Copper	0		VE	FLINT	48504
LG01832	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG08796	2/3/2016	Lead	2	Copper	60			FLINT	48506
LG09094	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG06602	1/31/2016	Lead	2	Copper	80			FLINT	48506
LG08617	2/3/2016	Lead	12	Copper	60			FLINT	48504
LG09891	2/5/2016	Lead	2	Copper	0			FLINT	48504
LG01275	1/21/2016	Lead	15	Copper	510		T	FLINT	48504
LG01603	1/21/2016	Lead	8	Copper	60			FLINT	48504
LG05457	1/28/2016	Lead	2	Copper	150			FLINT	48504
LG08634	2/3/2016	Lead	[redacted]	Copper	0		T	FLINT	48504
LF97349	12/18/2015	Lead	11	Copper	0			FLINT	48504
LG09922	2/5/2016	Lead	11	Copper	50			FLINT	48506
LG09926	2/5/2016	Lead	[redacted]	Copper	310			FLINT	48506
LG06398	1/30/2016	Lead	0	Copper	340			FLINT	48506
LG02808	1/23/2016	Lead	0	Copper	70		G AVE	FLINT	48503
LG05150	1/27/2016	Lead	7	Copper	320		CT	FLINT	48504
LG08775	2/3/2016	Lead	0	Copper	90		CT	FLINT	48504
LG01889	1/21/2016	Lead	[redacted]	Copper	250		R KING	FLINT	48503
LG02689	1/23/2016	Lead	3	Copper	70		R KING	FLINT	48505
LG06207	1/29/2016	Lead	0	Copper	0		R KING AVE	FLINT	48506
LF87428	10/13/2015	Lead	0	Copper	0		R KING AVE	FLINT	
LG04241	1/26/2016	Lead	4	Copper	0			FLINT	48503
LG04094	1/26/2016	Lead	0	Copper	110			FLINT	48503
LG02542	1/22/2016	Lead	0	Copper	80		VE	FLINT	48506
LG07603	2/2/2016	Lead	2	Copper	0			FLINT	48506
LG06105	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG01684	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04259	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG03005	1/24/2016	Lead	1	Copper	60			FLINT	48505
LG08508	2/3/2016	Lead	2	Copper	60			FLINT	48506
LG04485	1/26/2016	Lead	8	Copper	0			FLINT	48506
LG02488	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG06966	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG05109	1/27/2016	Lead	0	Copper	0				48506
LG09966	2/5/2016	Lead	2	Copper	0		E	FLINT	48506
LG08727	2/3/2016	Lead	[redacted]	Copper	0		E	FLINT	48506
LG09367	2/4/2016	Lead	3	Copper	0		E	FLINT	48506
LG01462	1/21/2016	Lead	[redacted]	Copper	190		E	FLINT	48506
LG09487	2/4/2016	Lead	12	Copper	110		E	FLINT	48506
LG01350	1/21/2016	Lead	0	Copper	0		E	FLINT	48506
LG05742	1/28/2016	Lead	2	Copper	0		E	FLINT	48506
LG04393	1/26/2016	Lead	0	Copper	0		E	FLINT	48506
LG03024	1/24/2016	Lead	3	Copper	0		E	FLINT	48506
LG01647	1/21/2016	Lead	3	Copper	0		E	FLINT	48506
LG02574	1/22/2016	Lead	6	Copper	0		E	FLINT	48506
LG07579	2/2/2016	Lead	2	Copper	50		E	FLINT	48506
LG10560	2/7/2016	Lead	4	Copper	510		E	FLINT	48506
LG02432	1/22/2016	Lead	1	Copper	0		E	FLINT	48506
LG01486	1/21/2016	Lead	0	Copper	0		E	FLINT	48506
LG07819	2/2/2016	Lead	0	Copper	70		E	FLINT	48506
LG04572	1/26/2016	Lead	0	Copper	0		E	FLINT	
LG02839	1/23/2016	Lead	0	Copper	0		E	FLINT	48506
LG02704	1/23/2016	Lead	6	Copper	150		E	FLINT	48506
LG06757	2/1/2016	Lead	1	Copper	60		E	FLINT	48506
LG05181	1/27/2016	Lead	14	Copper	110		E	FLINT	48506
LG10604	2/7/2016	Lead	0	Copper	0		E	FLINT	
LG06388	1/30/2016	Lead	0	Copper	0		E	FLINT	48506
LG07750	2/2/2016	Lead	0	Copper	0		E	FLINT	48506
LG00538	1/19/2016	Lead	1	Copper	0		E	FLINT	48506
LG01819	1/21/2016	Lead	[redacted]	Copper	840		E	FLINT	48506
LG01820	1/21/2016	Lead	1	Copper	140		E	FLINT	48506
LG09339	2/4/2016	Lead	0	Copper	200		E	FLINT	48506
LG10572	2/7/2016	Lead	0	Copper	170		E	FLINT	48506
LG06391	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG05199	1/27/2016	Lead	0	Copper	110			FLINT	48503
LG09947	2/5/2016	Lead	5	Copper	60			FLINT	48505
LG05756	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG06526	1/31/2016	Lead	2	Copper	0			FLINT	
LF87423	10/13/2015	Lead	0	Copper	150			FLINT	48503
LG10100	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG02501	1/22/2016	Lead	[redacted]	Copper	200			FLINT	48503
LG08699	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG04884	1/27/2016	Lead	3	Copper	180			FLINT	48503
LF86488	10/6/2015	Lead	15	Copper	0			FLINT	48503
LF86521	10/6/2015	Lead	3	Copper	0			FLINT	48503
LG00840	1/20/2016	Lead	4	Copper	0			FLINT	48503
LG03007	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG02669	1/23/2016	Lead	0	Copper	190			FLINT	48503
LG02319	1/22/2016	Lead	8	Copper	80			FLINT	48503

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG00573	1/19/2016	Lead	3	Copper	0			FLINT	48505
LG00969	1/20/2016	Lead	0	Copper	0			FLINT	
LG09183	2/4/2016	Lead	4	Copper	0			FLINT	48505
LF86483	10/6/2015	Lead	3	Copper	0			FLINT	48503
LF86484	10/6/2015	Lead	3	Copper	0			FLINT	48503
LG02944	1/23/2016	Lead	0	Copper	0		T	FLINT	48503
LG07776	2/2/2016	Lead	2	Copper	80		ST	FLINT	48504
LG04122	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG07508	2/2/2016	Lead	2	Copper	0			FLINT	48503
LF90455	11/4/2015	Lead	2	Copper	0			FLINT	48503
LF90457	11/4/2015	Lead	0	Copper	0			FLINT	48503
LG03642	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03646	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG07094	2/1/2016	Lead	4	Copper	80			FLINT	48503
LF99988	1/15/2016	Lead	1	Copper	60				
LG05929	1/29/2016	Lead	1	Copper	0			FLINT	48503
LF99957	1/15/2016	Lead	1	Copper	0				48503
LG03713	1/25/2016	Lead	0	Copper	0			FLINT	48503
LF85288	9/29/2015	Lead	3	Copper	0			FLINT	48503
LG01244	1/21/2016	Lead	1	Copper	90			FLINT	
LG06373	1/30/2016	Lead	1	Copper	0			FLINT	48503
LG09168	2/4/2016	Lead	3	Copper	0			FLINT	48503
LG09724	2/5/2016	Lead	2	Copper	120			FLINT	48503
LG08426	2/3/2016	Lead	3	Copper	0			FLINT	48503
LG02718	1/23/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG08719	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG04888	1/27/2016	Lead	0	Copper	0			FLINT	48503
LF81254	9/3/2015	Lead	2	Copper	80			FLINT	48503
LF82708	9/15/2015	Lead	4	Copper	0			FLINT	48503
LF82709	9/15/2015	Lead	1	Copper	0			FLINT	48503
LG05540	1/28/2016	Lead	0	Copper	0		T	FLINT	48503
LG09282	2/4/2016	Lead	1	Copper	0		T	FLINT	48503
LG07699	2/2/2016	Lead	4	Copper	0		T	FLINT	48503
LG01375	1/21/2016	Lead	1	Copper	0		T	FLINT	48503
LG01442	1/21/2016	Lead	2	Copper	100		T	FLINT	48503
LG08678	2/3/2016	Lead	0	Copper	80			FLINT	48503
LG06001	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG09418	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG01360	1/21/2016	Lead	0	Copper	190			FLINT	48503
LG02948	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG08325	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG06837	2/1/2016	Lead	2	Copper	120			FLINT	48504
LG04583	1/26/2016	Lead	0	Copper	60		IVE	FLINT	48504
LG04076	1/26/2016	Lead	1	Copper	60			FLINT	48504
LG02039	1/21/2016	Lead	2	Copper	50		T	FLINT	48505
LG04529	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG02766	1/23/2016	Lead	0	Copper	60			FLINT	
LG02835	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG04478	1/26/2016	Lead	0	Copper	0		VE	FLINT	48507
LG04250	1/26/2016	Lead	0	Copper	50			FLINT	48507
LG01894	1/21/2016	Lead	2	Copper	0		T	FLINT	48504
LG05527	1/28/2016	Lead	0	Copper	110			FLINT	48503
LG06286	1/30/2016	Lead	7	Copper	80			FLINT	48503
LG00498	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG06149	1/29/2016	Lead	0	Copper	0			FLINT	48506
LF87364	10/13/2015	Lead	3	Copper	0			FLINT	48506
LG06616	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG02706	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG06431	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG05991	1/29/2016	Lead	0	Copper	160			FLINT	48506
LG09398	2/4/2016	Lead	0	Copper	70			FLINT	48506
LG04594	1/26/2016	Lead	0	Copper	200			FLINT	48506
LG02576	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG09191	2/4/2016	Lead	3	Copper	0			FLINT	48506
LG08509	2/3/2016	Lead	3	Copper	50			FLINT	48506
LG02564	1/22/2016	Lead	6	Copper	0			FLINT	48506
LG08332	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG01440	1/21/2016	Lead	2	Copper	130			FLINT	48503
LG05698	1/28/2016	Lead	4	Copper	0			FLINT	48507
LG01405	1/21/2016	Lead	2	Copper	70			FLINT	48507
LG06026	1/29/2016	Lead	6	Copper	90			FLINT	48507
LG00501	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG03036	1/24/2016	Lead	6	Copper	0		/E	FLINT	48507
LG06797	2/1/2016	Lead	1	Copper	240		/E	FLINT	48507
LG03037	1/24/2016	Lead	0	Copper	100		/E	FLINT	48507
LG00963	1/20/2016	Lead	0	Copper	0		/E	FLINT	48507
LG10514	2/7/2016	Lead	0	Copper	50		/E	FLINT	48507
LG08630	2/3/2016	Lead	0	Copper	50		/E	FLINT	48507
LG01309	1/21/2016	Lead	0	Copper	0		/E	FLINT	48507
LG10506	2/7/2016	Lead	4	Copper	0		/E	FLINT	48507
LF88281	10/20/2015	Lead	0	Copper	0		/E	FLINT	48507
LG06664	1/31/2016	Lead	0	Copper	0		/E	FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG00487	1/19/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG06976	2/1/2016	Lead	4	Copper	0			FLINT	48507
LG03499	1/25/2016	Lead	1	Copper	100			FLINT	48507
LG05728	1/28/2016	Lead	3	Copper	250			FLINT	48507
LG01012	1/20/2016	Lead	0	Copper	0				
LG04183	1/26/2016	Lead	2	Copper	90			FLINT	48507
LG05547	1/28/2016	Lead	1	Copper	80			FLINT	48507
LG06813	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG07560	2/2/2016	Lead	0	Copper	180		I	FLINT	48506
LG02377	1/22/2016	Lead	2	Copper	0			FLINT	
LG07622	2/2/2016	Lead	0	Copper	0			FLINT	
LG00998	1/20/2016	Lead	0	Copper	0			FLINT	
LG04067	1/26/2016	Lead	0	Copper	0			FLINT	
LG08755	2/3/2016	Lead	2	Copper	80			FLINT	48503
LG05638	1/28/2016	Lead	0	Copper	60			FLINT	48503
LG07611	2/2/2016	Lead	2	Copper	0			FLINT	48503
LG07948	2/2/2016	Lead	3	Copper	0		ET	FLINT	48503
LG08272	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG05189	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04336	1/26/2016	Lead	0	Copper	0		CLE	FLINT	48506
LG09876	2/5/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG04125	1/26/2016	Lead	1	Copper	0		#7	FLINT	48503
LG01251	1/21/2016	Lead	0	Copper	0		2	FLINT	48503
LG01662	1/21/2016	Lead	0	Copper	70		)K DRIVE	FLINT	48506
LG05952	1/29/2016	Lead	2	Copper	160			FLINT	48532
LG09791	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG08623	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG01799	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01803	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG03034	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG01590	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG03451	1/25/2016	Lead	0	Copper	0		UE	FLINT	48506
LG09761	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09762	2/5/2016	Lead	0	Copper	0			FLINT	
LG08360	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG04283	1/26/2016	Lead	3	Copper	140			BURTON	48529
LG01913	1/21/2016	Lead	13	Copper	140			BURTON	48529
LG01917	1/21/2016	Lead	0	Copper	300			BURTON	
LG03494	1/25/2016	Lead	[redacted]	Copper	[redacted]			BURTON	
LG10155	2/6/2016	Lead	[redacted]	Copper	420			BURTON	48529
LG03147	1/24/2016	Lead	3	Copper	120			BURTON	48529
LG02200	1/21/2016	Lead	0	Copper	1,100			BURTON	48529
LG04274	1/26/2016	Lead	2	Copper	120			BURTON	48529
LG02049	1/21/2016	Lead	7	Copper	60		VE	FLINT	48507
LG06865	2/1/2016	Lead	0	Copper	0		VE	FLINT	48507
LG01290	1/21/2016	Lead	0	Copper	90		VE	FLINT	48507
LG04142	1/26/2016	Lead	0	Copper	0		VE	FLINT	48507
LG03118	1/24/2016	Lead	0	Copper	0		VE	FLINT	48507
LG05284	1/27/2016	Lead	2	Copper	50		VE	FLINT	48507
LG04789	1/27/2016	Lead	0	Copper	90		VE	FLINT	48507
LG02416	1/22/2016	Lead	0	Copper	200		T	BURTON	48529
LG02972	1/23/2016	Lead	[redacted]	Copper	570		T	BURTON	48529
LG04304	1/26/2016	Lead	1	Copper	0		T	FLINT	
LG04269	1/26/2016	Lead	0	Copper	90		T	BURTON	48529
LG02211	1/21/2016	Lead	1	Copper	200		T	BURTON	48529
LG05700	1/28/2016	Lead	2	Copper	190		T	BURTON	48529
LG01979	1/21/2016	Lead	2	Copper	380		T	BURTON	48529
LG02960	1/23/2016	Lead	0	Copper	0		T	BURTON	48529
LG00861	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG01413	1/21/2016	Lead	[redacted]	Copper	250			FLINT	48507
LG05748	1/28/2016	Lead	2	Copper	120			FLINT	48507
LG02230	1/21/2016	Lead	10	Copper	100			FLINT	48507
LG04972	1/27/2016	Lead	2	Copper	140			FLINT	48507
LG03470	1/25/2016	Lead	3	Copper	0			FLINT	48507
LG05731	1/28/2016	Lead	7	Copper	130			FLINT	48507
LG01842	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG07585	2/2/2016	Lead	7	Copper	220		ET	FLINT	48507
LG02309	1/22/2016	Lead	4	Copper	0		ET	FLINT	48507
LG05616	1/28/2016	Lead	0	Copper	90			FLINT	48506
LG06746	2/1/2016	Lead	0	Copper	0		OR	FLINT	48507
LG05733	1/28/2016	Lead	0	Copper	60			FLINT	48504
LG02023	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG10118	2/6/2016	Lead	0	Copper	0			FLINT	
LG05086	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG10158	2/6/2016	Lead	3	Copper	0			FLINT	48503
LG01604	1/21/2016	Lead	2	Copper	90			FLINT	48504
LG08551	2/3/2016	Lead	[redacted]	Copper	60			FLINT	48503
LG04152	1/26/2016	Lead	3	Copper	60			FLINT	48504
LG05036	1/27/2016	Lead	1	Copper	90			FLINT	48504
LG06749	2/1/2016	Lead	3	Copper	0			FLINT	48504
LG08779	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG03110	1/24/2016	Lead	0	Copper	0			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG05257	1/27/2016	Lead	0	Copper	0		E	FLINT	48504
LG00876	1/20/2016	Lead	3	Copper	100		E	FLINT	48504
LG04411	1/26/2016	Lead	0	Copper	0		E	FLINT	48505
LG08800	2/3/2016	Lead	2	Copper	0		E	FLINT	48503
LG08802	2/3/2016	Lead	6	Copper	0		E	FLINT	48503
LG08808	2/3/2016	Lead	3	Copper	0		E	FLINT	48503
LG09677	2/5/2016	Lead	0	Copper	0		E	FLINT	48504
LG06201	1/29/2016	Lead	8	Copper	0		E	FLINT	
LG02642	1/22/2016	Lead	1	Copper	70		E	FLINT	48504
LF95921	12/10/2015	Lead	0	Copper	90		E	FLINT	48504
LG03735	1/25/2016	Lead	0	Copper	0		E	FLINT	48504
LG09829	2/5/2016	Lead	[redacted]	Copper	0		E	FLINT	48504
LG09237	2/4/2016	Lead	0	Copper	0		E	FLINT	48504
LG03786	1/25/2016	Lead	8	Copper	90		E	FLINT	48504
LG01990	1/21/2016	Lead	0	Copper	80		E	FLINT	48504
LG01698	1/21/2016	Lead	0	Copper	0		E	FLINT	48504
LF86511	10/6/2015	Lead	1	Copper	0			FLINT	48505
LG06896	2/1/2016	Lead	6	Copper	0			FLINT	48503
LG03654	1/25/2016	Lead	0	Copper	90			FLINT	48503
LG03564	1/25/2016	Lead	0	Copper	0			FLINT	48503
LF92708	11/18/2015	Lead	3	Copper	60			FLINT	48503
LG03003	1/24/2016	Lead	8	Copper	80			FLINT	48503
LG05906	1/29/2016	Lead	0	Copper	60			FLINT	48503
LG08496	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG08501	2/3/2016	Lead	8	Copper	0			FLINT	48503
LF93587	11/24/2015	Lead	7	Copper	0			FLINT	48503
LG08295	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG07408	2/2/2016	Lead	0	Copper	50			FLINT	48503
LG06767	2/1/2016	Lead	3	Copper	0			FLINT	48503
LG01937	1/21/2016	Lead	4	Copper	90			FLINT	48503
LG04601	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG07626	2/2/2016	Lead	2	Copper	60			FLINT	48503
LG02342	1/22/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG02043	1/21/2016	Lead	7	Copper	170			FLINT	48503
LG10016	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG06824	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG02383	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG09301	2/4/2016	Lead	2	Copper	60			FLINT	48503
LG02904	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02719	1/23/2016	Lead	5	Copper	0			FLINT	48503
LG05021	1/27/2016	Lead	[redacted]	Copper	150			FLINT	48503
LF86497	10/6/2015	Lead	2	Copper	80			FLINT	48503
LG10483	2/7/2016	Lead	3	Copper	130			FLINT	48503
LF95935	12/10/2015	Lead	1	Copper	0			FLINT	48503
LF95910	12/10/2015	Lead	0	Copper	60			FLINT	48503
LG04758	1/27/2016	Lead	5	Copper	260			FLINT	48503
LG07050	2/1/2016	Lead	7	Copper	160			FLINT	48503
LF95914	12/10/2015	Lead	5	Copper	200			FLINT	48503
LG07625	2/2/2016	Lead	[redacted]	Copper	670			FLINT	48503
LG09267	2/4/2016	Lead	0	Copper	110			FLINT	48503
LG06596	1/31/2016	Lead	[redacted]	Copper	820			FLINT	48503
LG07521	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG05927	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06605	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG01278	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG07411	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG05079	1/27/2016	Lead	1	Copper	770			FLINT	48503
LG04173	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG09253	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG07600	2/2/2016	Lead	0	Copper	160			FLINT	48506
LG05469	1/28/2016	Lead	0	Copper	0		T	FLINT	48506
LG02995	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG00920	1/20/2016	Lead	1	Copper	60			FLINT	48507
LG06942	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG06953	2/1/2016	Lead	1	Copper	0			FLINT	48507
LG01916	1/21/2016	Lead	1	Copper	60			FLINT	48507
LG00873	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00932	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00992	1/20/2016	Lead	[redacted]	Copper	180			FLINT	48507
LG08362	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG02171	1/21/2016	Lead	1	Copper	100			FLINT	48507
LG02452	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG04210	1/26/2016	Lead	2	Copper	60			FLINT	48507
LG09114	2/4/2016	Lead	0	Copper	60			FLINT	48507
LG04545	1/26/2016	Lead	9	Copper	0			FLINT	48507
LF92701	11/18/2015	Lead	1	Copper	70			FLINT	48507
LG08730	2/3/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48507
LG06637	1/31/2016	Lead	0	Copper	60		INT MI	FLINT	48507
LG06353	1/30/2016	Lead	[redacted]	Copper	150			FLINT	48507
LG00857	1/20/2016	Lead	2	Copper	70			FLINT	48507
LG01900	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG03532	1/25/2016	Lead	0	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02856	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG03573	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG07735	2/2/2016	Lead	0	Copper	0		/E	FLINT	48506
LG07698	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG02973	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02219	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04982	1/27/2016	Lead	0	Copper	0			FLINT	48506-3506
LG07890	2/2/2016	Lead	2	Copper	0			FLINT	48506
LG10594	2/7/2016	Lead	2	Copper	0			FLINT	
LG00568	1/19/2016	Lead	5	Copper	0			FLINT	48506
LG04271	1/26/2016	Lead	2	Copper	0			FLINT	48506
LG01943	1/21/2016	Lead	2	Copper	120			FLINT	48506
LF92705	11/18/2015	Lead	0	Copper	0			FLINT	48506
LG00938	1/20/2016	Lead	2	Copper	0			FLINT	48506
LG00984	1/20/2016	Lead	0	Copper	170			FLINT	48506
LG04323	1/26/2016	Lead	2	Copper	100			FLINT	48506
LG09968	2/5/2016	Lead	8	Copper	60			FLINT	48507
LG01321	1/21/2016	Lead	3	Copper	60			FLINT	48506
LG01573	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01650	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG07004	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG02558	1/22/2016	Lead	0	Copper	60			FLINT	48503
LF97970	12/29/2015	Lead	8	Copper	150			FLINT	48505
LF97971	12/29/2015	Lead	8	Copper	230			FLINT	
LF97975	12/29/2015	Lead	10	Copper	480			FLINT	
LF97979	12/29/2015	Lead	[redacted]	Copper	730			FLINT	
LG01924	1/21/2016	Lead	4	Copper	60			FLINT	48505
LG01997	1/21/2016	Lead	5	Copper	90			FLINT	48505
LG04339	1/26/2016	Lead	1	Copper	0			FLINT	48505
LG08457	2/3/2016	Lead	[redacted]	Copper	400			FLINT	
LG04596	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG01855	1/21/2016	Lead	1	Copper	80			FLINT	48505
LG08506	2/3/2016	Lead	0	Copper	130		9	FLINT	48505
LG02812	1/23/2016	Lead	0	Copper	100		STATION 3	FLINT	48503
LG08456	2/3/2016	Lead	4	Copper	560			FLINT	
LG08487	2/3/2016	Lead	[redacted]	Copper	[redacted]			FLINT	
LG08489	2/3/2016	Lead	0	Copper	80			FLINT	48502
LG08729	2/3/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48502
LG08292	2/3/2016	Lead	2	Copper	170		FLOOR	FLINT	48502
LG05579	1/28/2016	Lead	0	Copper	0			FLINT	48507
LG08361	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG10230	2/6/2016	Lead	5	Copper	0			FLINT	48507
LG08375	2/3/2016	Lead	1	Copper	80			FLINT	48507
LG01852	1/21/2016	Lead	10	Copper	260			FLINT	48507
LG02439	1/22/2016	Lead	4	Copper	0			FLINT	48507
LG06977	2/1/2016	Lead	0	Copper	60			FLINT	48506
LG02064	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG06617	1/31/2016	Lead	[redacted]	Copper	330			FLINT	48503
LG09937	2/5/2016	Lead	2	Copper	120			FLINT	48503
LG06506	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06603	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG04096	1/26/2016	Lead	1	Copper	0			FLINT	48506
LG00467	1/19/2016	Lead	0	Copper	160			FLINT	48506
LG09496	2/4/2016	Lead	0	Copper	70			FLINT	48506
LG05443	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG01865	1/21/2016	Lead	1	Copper	0			FLINT	48506
LG05090	1/27/2016	Lead	5	Copper	90		E	FLINT	48506
LG06404	1/30/2016	Lead	2	Copper	0		E	FLINT	48506
LG06926	2/1/2016	Lead	0	Copper	0		E	FLINT	48506
LG01888	1/21/2016	Lead	1	Copper	110		E	FLINT	48506
LG09807	2/5/2016	Lead	0	Copper	0		E	FLINT	48506
LG00954	1/20/2016	Lead	0	Copper	0		E	FLINT	48506
LG01884	1/21/2016	Lead	0	Copper	0		E	FLINT	
LG06495	1/31/2016	Lead	0	Copper	0		E	FLINT	48506
LG04395	1/26/2016	Lead	[redacted]	Copper	0		E	FLINT	48506
LF94265	12/2/2015	Lead	0	Copper	0		E	FLINT	48506
LG07814	2/2/2016	Lead	0	Copper	0		E	FLINT	48506
LG07759	2/2/2016	Lead	0	Copper	0		E	FLINT	48506
LG03712	1/25/2016	Lead	4	Copper	140		E	FLINT	48506
LG03711	1/25/2016	Lead	0	Copper	0		E	FLINT	48506
LF92726	11/18/2015	Lead	0	Copper	0		E	FLINT	48506
LG09802	2/5/2016	Lead	0	Copper	0		E	FLINT	48506
LG03756	1/25/2016	Lead	3	Copper	0		ENUE	FLINT	48506
LG01243	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG09160	2/4/2016	Lead	2	Copper	70		VE	FLINT	48503
LG02471	1/22/2016	Lead	4	Copper	0		VE	FLINT	48503
LG07542	2/2/2016	Lead	0	Copper	0		VE	FLINT	48503
LG04128	1/26/2016	Lead	0	Copper	0		VE	FLINT	48503
LG04151	1/26/2016	Lead	1	Copper	0		VE	FLINT	48503
LG09666	2/5/2016	Lead	3	Copper	100		VE	FLINT	48503
LG04258	1/26/2016	Lead	0	Copper	0		VE	FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG01281	1/21/2016	Lead	4	Copper	0		'E	FLINT	48503
LG09468	2/4/2016	Lead	1	Copper	70		'E	FLINT	48503
LG06303	1/30/2016	Lead	1	Copper	110		'E	FLINT	48503
LG06357	1/30/2016	Lead	[redacted]	Copper	200		'E	FLINT	48503
LG06425	1/30/2016	Lead	0	Copper	0		'E	FLINT	48503
LG07089	2/1/2016	Lead	2	Copper	0		'E	FLINT	48503
LG04876	1/27/2016	Lead	0	Copper	100		'E	FLINT	48503
LG01750	1/21/2016	Lead	1	Copper	80		VE	FLINT	48503
LG10182	2/6/2016	Lead	5	Copper	160			FLINT	
LG01293	1/21/2016	Lead	2	Copper	60			FLINT	48504
LG01992	1/21/2016	Lead	2	Copper	100			FLINT	48504
LG07087	2/1/2016	Lead	2	Copper	110			FLINT	48504
LG08421	2/3/2016	Lead	2	Copper	110			FLINT	
LG05511	1/28/2016	Lead	0	Copper	70		E	FLINT	
LG07949	2/2/2016	Lead	[redacted]	Copper	190		E	FLINT	48503
LG10240	2/6/2016	Lead	7	Copper	70		E	FLINT	48503
LG03067	1/24/2016	Lead	4	Copper	0			FLINT	48503
LG04923	1/27/2016	Lead	0	Copper	0		EET	FLINT	48503
LG06928	2/1/2016	Lead	3	Copper	0			FLINT	48503
LG01247	1/21/2016	Lead	4	Copper	60			FLINT	48504
LG04293	1/26/2016	Lead	2	Copper	100		EET	FLINT	48504
LG06653	1/31/2016	Lead	2	Copper	0			FLINT	48503
LF87928	10/16/2015	Lead	8	Copper	0			FLINT	48503
LG09298	2/4/2016	Lead	0	Copper	120			BURTON	48529
LG02763	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG03675	1/25/2016	Lead	8	Copper	0		E	FLINT	48503
LG03544	1/25/2016	Lead	12	Copper	100		E	FLINT	48503
LG07774	2/2/2016	Lead	2	Copper	70		E	FLINT	48503
LF88320	10/20/2015	Lead	4	Copper	0		E	FLINT	48503
LG02368	1/22/2016	Lead	3	Copper	0		E	FLINT	48503
LG09751	2/5/2016	Lead	0	Copper	310		E	FLINT	48503
LG02346	1/22/2016	Lead	[redacted]	Copper	210		E	FLINT	48503
LF87935	10/16/2015	Lead	2	Copper	0		E	FLINT	48503
LF97974	12/29/2015	Lead	2	Copper	0		E	FLINT	48503
LF97983	12/29/2015	Lead	3	Copper	0		E	FLINT	48503
LG03631	1/25/2016	Lead	3	Copper	0		E	FLINT	48503
LF87932	10/16/2015	Lead	0	Copper	0		E	FLINT	48503
LG07952	2/2/2016	Lead	3	Copper	190		E	FLINT	48503
LG01547	1/21/2016	Lead	8	Copper	80		E	FLINT	48503
LG02923	1/23/2016	Lead	[redacted]	Copper	[redacted]		E	FLINT	48503
LG10478	2/7/2016	Lead	0	Copper	0		E	FLINT	48503
LG03626	1/25/2016	Lead	4	Copper	0		E	FLINT	48503
LG09731	2/5/2016	Lead	2	Copper	100		E	FLINT	48503
LG05620	1/28/2016	Lead	3	Copper	80		E	FLINT	48503
LG00939	1/20/2016	Lead	2	Copper	80		ENUE	FLINT	48503
LG01224	1/21/2016	Lead	[redacted]	Copper	160			FLINT	48504
LG06483	1/31/2016	Lead	2	Copper	0			FLINT	48504
LG08751	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG04579	1/26/2016	Lead	7	Copper	0		E	FLINT	48504
LG06042	1/29/2016	Lead	1	Copper	50			FLINT	48507
LG03117	1/24/2016	Lead	0	Copper	50		IE	FLINT	48507
LG04471	1/26/2016	Lead	2	Copper	60		IE	FLINT	48507
LG00986	1/20/2016	Lead	0	Copper	0		IE	FLINT	48507
LG05569	1/28/2016	Lead	3	Copper	0		IE	FLINT	48507
LG01417	1/21/2016	Lead	3	Copper	80			FLINT	48507
LF91271	11/9/2015	Lead	0	Copper	90			FLINT	48507
LG06334	1/30/2016	Lead	0	Copper	0			FLINT	48507
LF99953	1/15/2016	Lead	0	Copper	70				
LG05730	1/28/2016	Lead	[redacted]	Copper	430			FLINT	48507
LG02481	1/22/2016	Lead	0	Copper	60			FLINT	48507
LG04920	1/27/2016	Lead	2	Copper	0			FLINT	48507
LG03534	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG04301	1/26/2016	Lead	0	Copper	80		IE	FLINT	48507
LG01256	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG07563	2/2/2016	Lead	0	Copper	60			FLINT	48504
LG00526	1/19/2016	Lead	2	Copper	90		APT 3D	FLINT	48506
LG09346	2/4/2016	Lead	0	Copper	200			FLINT	48506
LG01467	1/21/2016	Lead	3	Copper	60			FLINT	48506
LG04778	1/27/2016	Lead	5	Copper	0			FLINT	48506
LG10592	2/7/2016	Lead	3	Copper	60			FLINT	48506
LG06442	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG02201	1/21/2016	Lead	0	Copper	0			FLINT	
LG06561	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG09498	2/4/2016	Lead	0	Copper	0			FLINT	48506
LF87381	10/13/2015	Lead	2	Copper	150			FLINT	48506
LF87397	10/13/2015	Lead	0	Copper	0			FLINT	48506
LG07535	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07439	2/2/2016	Lead	0	Copper	200			FLINT	48506
LF85933	10/2/2015	Lead	0	Copper	0			FLINT	48506
LG06139	1/29/2016	Lead	0	Copper	100	G		FLINT	48506
LG07763	2/2/2016	Lead	2	Copper	50		NUE	FLINT	48506
LG06379	1/30/2016	Lead	[redacted]	Copper	780		WY	FLINT	48504

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG07494	2/2/2016	Lead	0	Copper	0		HWY	FLINT	
LG06538	1/31/2016	Lead	0	Copper	370		HWY	FLINT	48504
LG01527	1/21/2016	Lead	0	Copper	100		HWY	FLINT	48504
LG06479	1/31/2016	Lead	1	Copper	80		HWY	FLINT	48504
LG10126	2/6/2016	Lead	1	Copper	190		HWY	FLINT	48504
LG08376	2/3/2016	Lead	0	Copper	240			FLINT	48506
LG10582	2/7/2016	Lead	0	Copper	0			MT MORRIS	48458
LG05273	1/27/2016	Lead	0	Copper	0		32	FLINT	48506
LF87396	10/13/2015	Lead	[redacted]	Copper	170			FLINT	48506
LG06184	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG08363	2/3/2016	Lead	4	Copper	80			FLINT	48506
LF87422	10/13/2015	Lead	2	Copper	110			FLINT	48506
LG03449	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG06666	1/31/2016	Lead	14	Copper	0			FLINT	48506
LG10054	2/6/2016	Lead	8	Copper	0			FLINT	48506
LF87050	10/8/2015	Lead	0	Copper	260			FLINT	48506
LF87053	10/8/2015	Lead	1	Copper	580			FLINT	48506
LG06305	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG04833	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG07532	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG06434	1/30/2016	Lead	0	Copper	140			FLINT	48506
LG02485	1/22/2016	Lead	0	Copper	110			FLINT	48506-2665
LG01651	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG09370	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG03076	1/24/2016	Lead	1	Copper	90			FLINT	48506
LG08408	2/3/2016	Lead	0	Copper	50			FLINT	48506
LG00586	1/19/2016	Lead	0	Copper	50		APT 209	FLINT	48506
LG01806	1/21/2016	Lead	0	Copper	0		APT 218	FLINT	48506
LF99153	1/7/2016	Lead	7	Copper	170		APT 315	FLINT	
LG04841	1/27/2016	Lead	0	Copper	0		DT 43	FLINT	48506
LG02129	1/21/2016	Lead	0	Copper	0		DT 65	FLINT	48506
LG04491	1/26/2016	Lead	0	Copper	0		DT 90	FLINT	48506
LG07946	2/2/2016	Lead	2	Copper	170			FLINT	48505
LF99646	1/13/2016	Lead	2	Copper	0			FLINT	48504
LG06189	1/29/2016	Lead	6	Copper	0			FLINT	48504
LG09884	2/5/2016	Lead	2	Copper	0			FLINT	48504
LG09895	2/5/2016	Lead	1	Copper	0			FLINT	48504
LG07710	2/2/2016	Lead	9	Copper	80		AV	FLINT	48504
LG04030	1/26/2016	Lead	2	Copper	70		AVE	FLINT	
LG02403	1/22/2016	Lead	0	Copper	0		AVE	FLINT	48504
LG02376	1/22/2016	Lead	3	Copper	100		AVE	FLINT	
LG06096	1/29/2016	Lead	[redacted]	Copper	90		AVE	FLINT	48504
LG07841	2/2/2016	Lead	[redacted]	Copper	90		AVE	FLINT	48504
LG06147	1/29/2016	Lead	8	Copper	140		AVE	FLINT	48504
LG07015	2/1/2016	Lead	15	Copper	0		AVE	FLINT	48504
LG06213	1/29/2016	Lead	3	Copper	0		AVE	FLINT	48504
LG06199	1/29/2016	Lead	1	Copper	0		AVE	FLINT	48504
LG09247	2/4/2016	Lead	8	Copper	0		AVE	FLINT	48504
LG01645	1/21/2016	Lead	1	Copper	80		AVE	FLINT	48504
LG08318	2/3/2016	Lead	3	Copper	110		AVE	FLINT	48504
LG09232	2/4/2016	Lead	[redacted]	Copper	100		AVE	FLINT	
LF90468	11/4/2015	Lead	0	Copper	80		AVE	FLINT	48504
LG09960	2/5/2016	Lead	2	Copper	0		AVE	FLINT	48504
LG10520	2/7/2016	Lead	0	Copper	0		AVE	FLINT	
LG10149	2/6/2016	Lead	2	Copper	270		AVE	FLINT	48504-2844
LF88289	10/20/2015	Lead	8	Copper	0		AVE	FLINT	48504
LG08476	2/3/2016	Lead	2	Copper	0		AVE	FLINT	48504
LG02500	1/22/2016	Lead	9	Copper	70		AVE	FLINT	***
LG06904	2/1/2016	Lead	0	Copper	100		AVE	FLINT	48504
LG05042	1/27/2016	Lead	1	Copper	0		AVE	FLINT	
LG09213	2/4/2016	Lead	11	Copper	0		ONE	FLINT	48504
LG05995	1/29/2016	Lead	[redacted]	Copper	80			FLINT	48504
LG08470	2/3/2016	Lead	2	Copper	0			FLINT	48506
LG04169	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04793	1/27/2016	Lead	2	Copper	60			FLINT	48506 *
LG08656	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG06480	1/31/2016	Lead	0	Copper	50			FLINT	48506
LG07983	2/2/2016	Lead	4	Copper	50			FLINT	48506
LG08659	2/3/2016	Lead	2	Copper	0			FLINT	48505
LG00893	1/20/2016	Lead	0	Copper	0			FLINT	48506
LF97966	12/29/2015	Lead	0	Copper	0			FLINT	48507
LF97967	12/29/2015	Lead	0	Copper	0			FLINT	48507
LG06311	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG10190	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG01829	1/21/2016	Lead	11	Copper	1,010			FLINT	48506
LG01835	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01831	1/21/2016	Lead	0	Copper	370			FLINT	48506
LG06825	2/1/2016	Lead	3	Copper	110			FLINT	48507
LG07002	2/1/2016	Lead	0	Copper	50			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07005	2/1/2016	Lead	2	Copper	170	4		MT MORRIS	48458
LG00453	1/19/2016	Lead	0	Copper	90	2			
LG00566	1/19/2016	Lead	0	Copper	0	1			
LG01619	1/21/2016	Lead	0	Copper	500	1		FLINT	48506
LF99929	1/15/2016	Lead	4	Copper	60	1		FLINT	48506
LG00832	1/20/2016	Lead	1	Copper	0	1		FLINT	48506
LG04842	1/27/2016	Lead	0	Copper	0	3		FLINT	48506
LG08770	2/3/2016	Lead	0	Copper	0	3		FLINT	48506
LG06033	1/29/2016	Lead	0	Copper	0	3		FLINT	48506
LG09379	2/4/2016	Lead	0	Copper	0	4		FLINT	
LG03137	1/24/2016	Lead	0	Copper	0	4		FLINT	48506
LG09479	2/4/2016	Lead	0	Copper	0	4		FLINT	48506
LG09484	2/4/2016	Lead	0	Copper	70	5		FLINT	48506
LG09813	2/5/2016	Lead	0	Copper	0	5		FLINT	48506
LG01654	1/21/2016	Lead	0	Copper	0	6		FLINT	48506
LG09187	2/4/2016	Lead	0	Copper	0	6		FLINT	48506
LG01621	1/21/2016	Lead	0	Copper	0	G		FLINT	48506
LF86502	10/6/2015	Lead	2	Copper	0			FLINT	48504
LG08527	2/3/2016	Lead	0	Copper	180	1	INS	FLINT	48503
LG08523	2/3/2016	Lead	2	Copper	270	1	R	FLINT	48503
LF97954	12/29/2015	Lead	[redacted]	Copper	230	1	RS	FLINT	48505
LG08552	2/3/2016	Lead	0	Copper	60	1	RS	FLINT	48503
LG08795	2/3/2016	Lead	0	Copper	190	1	RS	FLINT	48503
LG08801	2/3/2016	Lead	2	Copper	250	1	RS	FLINT	48503
LG08805	2/3/2016	Lead	0	Copper	120	1	RS	FLINT	48503
LF94291	12/2/2015	Lead	0	Copper	160	1	RS 13	FLINT	48503
LF88284	10/20/2015	Lead	0	Copper	0		RSE	FLINT	48503
LG01639	1/21/2016	Lead	2	Copper	170		RSE	FLINT	48503
LF97922	12/29/2015	Lead	9	Copper	210		RSE	FLINT	48503
LF97923	12/29/2015	Lead	8	Copper	130		RSE	FLINT	48503
LF97924	12/29/2015	Lead	[redacted]	Copper	100		RSE	FLINT	48503
LF97927	12/29/2015	Lead	12	Copper	300		RSE	FLINT	
LF97938	12/29/2015	Lead	[redacted]	Copper	[redacted]		RSE	FLINT	48503
LF97945	12/29/2015	Lead	[redacted]	Copper	560		RSE	FLINT	
LF97950	12/29/2015	Lead	2	Copper	350		RSE	FLINT	
LF97952	12/29/2015	Lead	1	Copper	150		RSE	FLINT	
LF97957	12/29/2015	Lead	4	Copper	210		RSE	FLINT	
LF97959	12/29/2015	Lead	3	Copper	460		RSE	FLINT	48503
LF97962	12/29/2015	Lead	1	Copper	220		RSE	FLINT	48503
LF99170	1/7/2016	Lead	10	Copper	570		RSE	FLINT	
LF99171	1/7/2016	Lead	0	Copper	0		RSE	FLINT	
LF99172	1/7/2016	Lead	2	Copper	0		RSE	FLINT	
LF99173	1/7/2016	Lead	2	Copper	0		RSE	FLINT	
LF99174	1/7/2016	Lead	2	Copper	0		RSE	FLINT	
LF99175	1/7/2016	Lead	0	Copper	60		RSE	FLINT	
LF99176	1/7/2016	Lead	0	Copper	90		RSE	FLINT	
LF99177	1/7/2016	Lead	0	Copper	0		RSE	FLINT	
LF99178	1/7/2016	Lead	0	Copper	60		RSE	FLINT	
LF99179	1/7/2016	Lead	0	Copper	50		RSE	FLINT	
LF99180	1/7/2016	Lead	0	Copper	0		RSE	FLINT	
LF99181	1/7/2016	Lead	[redacted]	Copper	60		RSE	FLINT	
LF99182	1/7/2016	Lead	0	Copper	0		RSE	FLINT	
LF99183	1/7/2016	Lead	[redacted]	Copper	[redacted]		RSE	FLINT	
LF99184	1/7/2016	Lead	3	Copper	90		RSE	FLINT	
LF99185	1/7/2016	Lead	[redacted]	Copper	[redacted]		RSE	FLINT	
LF99186	1/7/2016	Lead	0	Copper	70		RSE	FLINT	
LF99187	1/7/2016	Lead	0	Copper	60		RSE	FLINT	
LF99188	1/7/2016	Lead	[redacted]	Copper	70		RSE	FLINT	
LF99189	1/7/2016	Lead	5	Copper	360		RSE	FLINT	
LF99190	1/7/2016	Lead	[redacted]	Copper	0		RSE	FLINT	
LF99191	1/7/2016	Lead	0	Copper	80		RSE	FLINT	
LF99192	1/7/2016	Lead	[redacted]	Copper	0		RSE	FLINT	
LF99193	1/7/2016	Lead	0	Copper	0		RSE	FLINT	
LF99194	1/7/2016	Lead	0	Copper	0		RSE	FLINT	
LF99195	1/7/2016	Lead	0	Copper	110		RSE	FLINT	
LF99196	1/7/2016	Lead	0	Copper	60		RSE	FLINT	
LF99197	1/7/2016	Lead	0	Copper	0		RSE	FLINT	
LF99198	1/7/2016	Lead	4	Copper	420		RSE	FLINT	
LF99199	1/7/2016	Lead	0	Copper	60		RSE	FLINT	
LF99200	1/7/2016	Lead	[redacted]	Copper	[redacted]		RSE	FLINT	
LF99201	1/7/2016	Lead	1	Copper	100		RSE	FLINT	
LF99202	1/7/2016	Lead	9	Copper	[redacted]		RSE	FLINT	
LF99203	1/7/2016	Lead	2	Copper	190		RSE	FLINT	
LF99204	1/7/2016	Lead	0	Copper	50		RSE	FLINT	
LF99205	1/7/2016	Lead	[redacted]	Copper	650		RSE	FLINT	
LF99206	1/7/2016	Lead	0	Copper	0		RSE	FLINT	
LF99207	1/7/2016	Lead	[redacted]	Copper	420		RSE	FLINT	
LF99909	1/15/2016	Lead	4	Copper	140		RSE		48503
LF87039	10/8/2015	Lead	3	Copper	150		RSE	FLINT	48503
LG05151	1/27/2016	Lead	2	Copper	120		RSE	FLINT	48503
LG01453	1/21/2016	Lead	3	Copper	170		RSE	FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LF94294	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94299	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94286	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94284	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF97939	12/29/2015	Lead	3	Copper	1,240			FLINT	48503
LF97935	12/29/2015	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LF97942	12/29/2015	Lead	0	Copper	50			FLINT	
LF97946	12/29/2015	Lead	9	Copper	930			FLINT	
LG08475	2/3/2016	Lead	0	Copper	0			FLINT	
LG05124	1/27/2016	Lead	[redacted]	Copper	160			FLINT	48503
LF94285	12/2/2015	Lead	0	Copper	0			FLINT	48503
LG06120	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06528	1/31/2016	Lead	1	Copper	50			FLINT	48504
LG01241	1/21/2016	Lead	0	Copper	0			FLINT	48507
LF86501	10/6/2015	Lead	0	Copper	60			FLINT	48505
LF86509	10/6/2015	Lead	2	Copper	650			FLINT	48505
LG05096	1/27/2016	Lead	3	Copper	60			FLINT	48505
LG05110	1/27/2016	Lead	3	Copper	80			FLINT	48505
LF86513	10/6/2015	Lead	[redacted]	Copper	[redacted]			FLINT	48505
LG00845	1/20/2016	Lead	3	Copper	0			FLINT	48506
LG09473	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG06527	1/31/2016	Lead	0	Copper	150			FLINT	48504
LG06569	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06104	1/29/2016	Lead	3	Copper	90			FLINT	48504
LG06938	2/1/2016	Lead	1	Copper	180			FLINT	48504
LG09087	2/4/2016	Lead	0	Copper	90			FLINT	48504
LG09846	2/5/2016	Lead	0	Copper	80			FLINT	48504
LG10269	2/6/2016	Lead	4	Copper	140			FLINT	48504
LG02708	1/23/2016	Lead	2	Copper	0			FLINT	48506
LG05466	1/28/2016	Lead	1	Copper	50			FLINT	48506
LG00597	1/19/2016	Lead	0	Copper	90			FLINT	48506
LG07857	2/2/2016	Lead	4	Copper	100			FLINT	48506
LG01778	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02765	1/23/2016	Lead	0	Copper	290			FLINT	48506
LG09365	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG06661	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG05468	1/28/2016	Lead	4	Copper	70			FLINT	48506
LG10079	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG08282	2/3/2016	Lead	[redacted]	Copper	260		E	FLINT	48506
LG03720	1/25/2016	Lead	6	Copper	110		E	FLINT	48506
LG00622	1/19/2016	Lead	9	Copper	0		E	FLINT	48506
LG07974	2/2/2016	Lead	1	Copper	0		E	FLINT	48506
LG04488	1/26/2016	Lead	5	Copper	60		E	FLINT	48506
LG04255	1/26/2016	Lead	0	Copper	0		E	FLINT	48506
LG00511	1/19/2016	Lead	11	Copper	70		/E	FLINT	
LG02191	1/21/2016	Lead	0	Copper	0		D	FLINT	48505
LG02795	1/23/2016	Lead	0	Copper	120		D	FLINT	48505
LG02618	1/22/2016	Lead	0	Copper	0		E	FLINT	48506
LG02675	1/23/2016	Lead	1	Copper	60		HWY	FLINT	48504
LG02941	1/23/2016	Lead	6	Copper	50			FLINT	48504
LG02953	1/23/2016	Lead	1	Copper	0		AVE	FLINT	48504
LG02527	1/22/2016	Lead	2	Copper	140			FLINT	48506
LG03701	1/25/2016	Lead	0	Copper	110		ST	FLINT	48504
LG03670	1/25/2016	Lead	7	Copper	0		/E	FLINT	48505
LG01862	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02486	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG07828	2/2/2016	Lead	8	Copper	130			FLINT	48506
LG07587	2/2/2016	Lead	1	Copper	0			FLINT	48506
LG02545	1/22/2016	Lead	0	Copper	80			FLINT	48506
LG07599	2/2/2016	Lead	2	Copper	60			FLINT	48506
LG09750	2/5/2016	Lead	4	Copper	150		E	FLINT	48506
LG04253	1/26/2016	Lead	4	Copper	80		E	FLINT	48506
LG09674	2/5/2016	Lead	7	Copper	0		E	FLINT	48506
LG09740	2/5/2016	Lead	3	Copper	0		E	FLINT	48506
LG08692	2/3/2016	Lead	0	Copper	0		E	FLINT	48506
LG00894	1/20/2016	Lead	9	Copper	280		E	FLINT	48506
LG03630	1/25/2016	Lead	[redacted]	Copper	0		E	FLINT	48506
LG06036	1/29/2016	Lead	5	Copper	0		E	FLINT	48506
LG00460	1/19/2016	Lead	4	Copper	50		E	FLINT	48506
LG06969	2/1/2016	Lead	3	Copper	0		E	FLINT	48506
LG07078	2/1/2016	Lead	3	Copper	170		E	FLINT	48506
LG01546	1/21/2016	Lead	3	Copper	0		E	FLINT	48506
LG09760	2/5/2016	Lead	2	Copper	0		E	FLINT	
LG09981	2/5/2016	Lead	0	Copper	60		E	FLINT	48506
LG08409	2/3/2016	Lead	5	Copper	310		E	FLINT	48506
LG01644	1/21/2016	Lead	0	Copper	80		E	FLINT	48506
LF97947	12/29/2015	Lead	0	Copper	150		E	FLINT	48506
LG01960	1/21/2016	Lead	0	Copper	0		ENUE	FLINT	48506
LG08606	2/3/2016	Lead	3	Copper	70		E	FLINT	48506
LG08746	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG07725	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG09749	2/5/2016	Lead	4	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07676	2/2/2016	Lead	0	Copper	290			FLINT	48503
LG09277	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG07716	2/2/2016	Lead	0	Copper	430			FLINT	48503
LG04266	1/26/2016	Lead	0	Copper	0			FLINT	48503
LF99149	1/7/2016	Lead	4	Copper	170			FLINT	
LF99150	1/7/2016	Lead	14	Copper	540			FLINT	
LF81253	9/3/2015	Lead	[redacted]	Copper	0			FLINT	48503
LG06551	1/31/2016	Lead	2	Copper	160			FLINT	48507
LG08459	2/3/2016	Lead	0	Copper	80			FLINT	48507
LG06821	2/1/2016	Lead	3	Copper	0			FLINT	48507
LG01785	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG05019	1/27/2016	Lead	[redacted]	Copper	100			FLINT	
LG03754	1/25/2016	Lead	0	Copper	60			FLINT	
LG10569	2/7/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG06539	1/31/2016	Lead	8	Copper	0			FLINT	48507
LG02047	1/21/2016	Lead	8	Copper	170			FLINT	48507-1528
LG06980	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG04775	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG09946	2/5/2016	Lead	2	Copper	0			FLINT	48506
LG01773	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG06300	1/30/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG00993	1/20/2016	Lead	[redacted]	Copper	400			FLINT	48506
LG08785	2/3/2016	Lead	5	Copper	210			FLINT	
LG02673	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG01539	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG09233	2/4/2016	Lead	3	Copper	0			FLINT	48503
LG03503	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG02694	1/23/2016	Lead	0	Copper	70			FLINT	48503
LG10496	2/7/2016	Lead	2	Copper	50			FLINT	48504
LF87402	10/13/2015	Lead	3	Copper	180			FLINT	48504
LG04207	1/26/2016	Lead	0	Copper	90			FLINT	48504
LG03552	1/25/2016	Lead	2	Copper	310			FLINT	48504
LG09169	2/4/2016	Lead	0	Copper	110			FLINT	48504
LF97964	12/29/2015	Lead	4	Copper	110			FLINT	48504
LG09851	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG02430	1/22/2016	Lead	1	Copper	100			FLINT	48504
LF90454	11/4/2015	Lead	0	Copper	570			FLINT	48504
LF87395	10/13/2015	Lead	0	Copper	150			FLINT	48504
LF86490	10/6/2015	Lead	2	Copper	150			FLINT	48504
LG05975	1/29/2016	Lead	[redacted]	Copper	500			FLINT	48504
LG00834	1/20/2016	Lead	2	Copper	140			FLINT	
LG08342	2/3/2016	Lead	1	Copper	50			FLINT	48504
LF90467	11/4/2015	Lead	0	Copper	0			FLINT	48504
LG10484	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG06782	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG05101	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG07434	2/2/2016	Lead	9	Copper	100			FLINT	48504
LG05584	1/28/2016	Lead	0	Copper	80			FLINT	48504
LG05046	1/27/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48504
LG02114	1/21/2016	Lead	14	Copper	0			FLINT	48504
LG02924	1/23/2016	Lead	1	Copper	0			FLINT	48504
LG00012	1/15/2016	Lead	5	Copper	0			FLINT	48504
LG02093	1/21/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG09270	2/4/2016	Lead	7	Copper	0			FLINT	48504
LG01775	1/21/2016	Lead	7	Copper	50			FLINT	48504
LG08650	2/3/2016	Lead	3	Copper	110			FLINT	48504
LG08653	2/3/2016	Lead	0	Copper	50			FLINT	48504
LG08680	2/3/2016	Lead	2	Copper	110			FLINT	48504
LG03706	1/25/2016	Lead	9	Copper	160			FLINT	48504
LG01946	1/21/2016	Lead	0	Copper	90			FLINT	48504
LG06962	2/1/2016	Lead	0	Copper	80			FLINT	48504
LG06077	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG05074	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG02986	1/24/2016	Lead	3	Copper	100			FLINT	48505
LG05942	1/29/2016	Lead	8	Copper	0			FLINT	48504
LG02495	1/22/2016	Lead	3	Copper	120			FLINT	48504
LG08553	2/3/2016	Lead	5	Copper	0			FLINT	48504
LG01774	1/21/2016	Lead	1	Copper	180			FLINT	48504
LG06167	1/29/2016	Lead	2	Copper	300			FLINT	48504
LG05626	1/28/2016	Lead	0	Copper	60			FLINT	48532
LG03531	1/25/2016	Lead	2	Copper	110			FLINT	48532
LG09165	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG00607	1/19/2016	Lead	3	Copper	240			FLINT	48506
LG09892	2/5/2016	Lead	0	Copper	100			FLINT	48506
LF94293	12/2/2015	Lead	0	Copper	170			FLINT	48503
LG00902	1/20/2016	Lead	0	Copper	230			FLINT	48505
LG09890	2/5/2016	Lead	0	Copper	160			FLINT	48505
LG01868	1/21/2016	Lead	4	Copper	0			FLINT	48505
LG07927	2/2/2016	Lead	2	Copper	70			FLINT	48505
LG02611	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02613	1/22/2016	Lead	0	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG06439	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG02738	1/23/2016	Lead	0	Copper	0		)N	FLINT	48506
LF87947	10/16/2015	Lead	3	Copper	80		?	FLINT	48503
LG07000	2/1/2016	Lead	2	Copper	60		?	FLINT	48503
LG09257	2/4/2016	Lead	0	Copper	0		?	FLINT	48503
LF85929	10/2/2015	Lead	11	Copper	0		?	FLINT	48503
LG02078	1/21/2016	Lead	2	Copper	50		?	FLINT	48503
LG07051	2/1/2016	Lead	0	Copper	0		?	FLINT	48503
LF94267	12/2/2015	Lead	1	Copper	0		?	FLINT	
LG09766	2/5/2016	Lead	[redacted]	Copper	50		?	FLINT	48503
LG04029	1/26/2016	Lead	0	Copper	0		?	FLINT	48503
LG08674	2/3/2016	Lead	1	Copper	0		?	FLINT	48503
LF88967	10/26/2015	Lead	6	Copper	0		?	FLINT	48503
LF94300	12/2/2015	Lead	2	Copper	60		?	FLINT	48503
LG09193	2/4/2016	Lead	1	Copper	0		?	FLINT	48503
LG09281	2/4/2016	Lead	0	Copper	150		?	FLINT	48503
LF99997	1/15/2016	Lead	0	Copper	100		?	FLINT	48503
LG05111	1/27/2016	Lead	2	Copper	70		RIVE	FLINT	48503
LG09653	2/5/2016	Lead	3	Copper	0		RIVE	FLINT	48503
LG07629	2/2/2016	Lead	[redacted]	Copper	150		RIVE	FLINT	48503
LG09414	2/4/2016	Lead	0	Copper	220		RIVE	FLINT	48503
LG00458	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG03459	1/25/2016	Lead	8	Copper	0			FLINT	48507
LF97918	12/29/2015	Lead	3	Copper	70		IR	FLINT	
LG05160	1/27/2016	Lead	6	Copper	60			FLINT	48503
LG02898	1/23/2016	Lead	4	Copper	0			FLINT	48503
LG06793	2/1/2016	Lead	7	Copper	0			FLINT	48503
LG03621	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG00828	1/20/2016	Lead	0	Copper	0		02	FLINT	48503
LG10471	2/7/2016	Lead	2	Copper	0			FLINT	48503-2640
LF97345	12/18/2015	Lead	0	Copper	0			FLINT	48532
LG04285	1/26/2016	Lead	1	Copper	80		IRCLE	FLINT	
LG09425	2/4/2016	Lead	0	Copper	0		IRCLE	FLINT	48507
LG01824	1/21/2016	Lead	0	Copper	0		AVE		48506
LG06990	2/1/2016	Lead	12	Copper	150			FLINT	48507
LG02589	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG07924	2/2/2016	Lead	15	Copper	200			FLINT	48503
LG04599	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG10533	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG06386	1/30/2016	Lead	5	Copper	60			FLINT	48503
LF94289	12/2/2015	Lead	0	Copper	160			FLINT	
LF93595	11/24/2015	Lead	0	Copper	0			FLINT	48507
LF92714	11/18/2015	Lead	1	Copper	70			FLINT	48507
LG06780	2/1/2016	Lead	0	Copper	130			FLINT	48507
LG09972	2/5/2016	Lead	4	Copper	80			FLINT	48507
LG05138	1/27/2016	Lead	4	Copper	0			FLINT	48507
LF88968	10/26/2015	Lead	0	Copper	410			FLINT	48507
LG09289	2/4/2016	Lead	1	Copper	200			FLINT	48507
LG01658	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02629	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG08570	2/3/2016	Lead	3	Copper	70			FLINT	48507
LG09291	2/4/2016	Lead	3	Copper	110			FLINT	48507
LF87399	10/13/2015	Lead	[redacted]	Copper	80			FLINT	48507
LF85613	9/30/2015	Lead	0	Copper	0			FLINT	48507
LG07590	2/2/2016	Lead	15	Copper	90			FLINT	48507
LG06643	1/31/2016	Lead	0	Copper	0		IUE	FLINT	48507
LG08723	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG05441	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG04495	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG10587	2/7/2016	Lead	0	Copper	80			FLINT	48506
LG03540	1/25/2016	Lead	0	Copper	130			FLINT	48506
LG02396	1/22/2016	Lead	0	Copper	80			FLINT	48506
LG06524	1/31/2016	Lead	2	Copper	70			FLINT	48506
LG01505	1/21/2016	Lead	0	Copper	110			FLINT	48506
LG04492	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG10600	2/7/2016	Lead	0	Copper	60			FLINT	48506
LG04229	1/26/2016	Lead	0	Copper	60			FLINT	48506
LG02532	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG05487	1/28/2016	Lead	3	Copper	0			FLINT	48506
LF99924	1/15/2016	Lead	0	Copper	0				
LG01468	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG08287	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG07975	2/2/2016	Lead	0	Copper	550			FLINT	48506
LG03608	1/25/2016	Lead	0	Copper	0		E	FLINT	48506
LG05725	1/28/2016	Lead	0	Copper	0		NGER MILLER RD	FLINT	48504
LG09825	2/5/2016	Lead	3	Copper	0			FLINT	48506
LG02842	1/23/2016	Lead	4	Copper	260			FLINT	48506
LG05462	1/28/2016	Lead	[redacted]	Copper	160			FLINT	48506
LG09336	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG02736	1/23/2016	Lead	[redacted]	Copper	330		AVE	FLINT	48505
LG06610	1/31/2016	Lead	1	Copper	0	1533	AVE	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG08633	2/3/2016	Lead	8	Copper	0		/E	FLINT	
LG06171	1/29/2016	Lead	5	Copper	0		/E	FLINT	48506
LG02955	1/23/2016	Lead	9	Copper	0		/E	FLINT	48506
LG02009	1/21/2016	Lead	7	Copper	0		/E	FLINT	48506
LG02964	1/23/2016	Lead	1	Copper	0		/E	FLINT	48506
LG03696	1/25/2016	Lead	0	Copper	0		/E	FLINT	48506
LG01805	1/21/2016	Lead	0	Copper	0		/E	FLINT	48506
LG09814	2/5/2016	Lead	2	Copper	70		/E	FLINT	48506
LG03486	1/25/2016	Lead	0	Copper	0		)R	FLINT	48507
LG01317	1/21/2016	Lead	2	Copper	120			FLINT	48504
LF99155	1/7/2016	Lead	[redacted]	Copper	290			FLINT	
LG05501	1/28/2016	Lead	3	Copper	0			FLINT	48503
LG10065	2/6/2016	Lead	9	Copper	240			FLINT	48503
LF99154	1/7/2016	Lead	2	Copper	90			FLINT	48505
LG09993	2/5/2016	Lead	0	Copper	0		2	FLINT	48503
LG09319	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG08519	2/3/2016	Lead	10	Copper	70			FLINT	48505
LG05539	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG09706	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09842	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG07556	2/2/2016	Lead	4	Copper	650		E	FLINT	48504
LG05977	1/29/2016	Lead	11	Copper	90		E	FLINT	48504
LG05192	1/27/2016	Lead	0	Copper	0		E	FLINT	48504
LG06954	2/1/2016	Lead	5	Copper	180			FLINT	48504
LG05144	1/27/2016	Lead	1	Copper	80			FLINT	48504
LF99996	1/15/2016	Lead	[redacted]	Copper	50			FLINT	48505
LG04765	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG00904	1/20/2016	Lead	0	Copper	0			FLINT	48532
LG04475	1/26/2016	Lead	1	Copper	0			FLINT	48507
LG04887	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG00997	1/20/2016	Lead	4	Copper	0		VE	FLINT	48507
LG05675	1/28/2016	Lead	0	Copper	0		VE	FLINT	48507
LG04944	1/27/2016	Lead	2	Copper	70		VE	FLINT	48507
LG02819	1/23/2016	Lead	2	Copper	0		VE	FLINT	48507
LG04281	1/26/2016	Lead	0	Copper	0		VE	FLINT	48505
LG10463	2/7/2016	Lead	5	Copper	450			FLINT	48503
LG07553	2/2/2016	Lead	14	Copper	70			FLINT	48503
LG05967	1/29/2016	Lead	4	Copper	0		/E	FLINT	48503
LG06011	1/29/2016	Lead	3	Copper	0		/E	FLINT	48503
LF93573	11/24/2015	Lead	0	Copper	0			FLINT	48503
LG05082	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG07907	2/2/2016	Lead	1	Copper	320			FLINT	48503
LG02895	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02966	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02012	1/21/2016	Lead	[redacted]	Copper	250			FLINT	48503
LG01752	1/21/2016	Lead	5	Copper	140			FLINT	48503
LG09812	2/5/2016	Lead	0	Copper	50			FLINT	48503
LG04517	1/26/2016	Lead	3	Copper	170			FLINT	48503
LG09848	2/5/2016	Lead	2	Copper	70			FLINT	48503
LG07817	2/2/2016	Lead	1	Copper	100			FLINT	48503
LG07435	2/2/2016	Lead	4	Copper	140			FLINT	48503
LG02441	1/22/2016	Lead	0	Copper	60			FLINT	48503
LF93567	11/24/2015	Lead	0	Copper	120		201 OXLEY]	FLINT	
LG09715	2/5/2016	Lead	1	Copper	0			FLINT	48504
LG09318	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG07012	2/1/2016	Lead	2	Copper	0			FLINT	48504
LG06740	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG07955	2/2/2016	Lead	0	Copper	80			FLINT	48504
LG08794	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG04119	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG09345	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09348	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG06756	2/1/2016	Lead	2	Copper	0				48504
LG08584	2/3/2016	Lead	11	Copper	80			FLINT	48504
LG04088	1/26/2016	Lead	0	Copper	0			FLINT	48504
LF97969	12/29/2015	Lead	0	Copper	130			FLINT	
LG08497	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG08499	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG10187	2/6/2016	Lead	1	Copper	380			FLINT	48504
LG06779	2/1/2016	Lead	0	Copper	70			FLINT	48504
LG06829	2/1/2016	Lead	0	Copper	130			FLINT	48504
LG01491	1/21/2016	Lead	5	Copper	220			FLINT	48504
LF93568	11/24/2015	Lead	0	Copper	0			FLINT	48504
LG03164	1/24/2016	Lead	2	Copper	50			FLINT	48504
LG06505	1/31/2016	Lead	7	Copper	0			FLINT	48504
LG01942	1/21/2016	Lead	3	Copper	0			FLINT	48504
LG09161	2/4/2016	Lead	7	Copper	60			FLINT	48504
LG07989	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07837	2/2/2016	Lead	0	Copper	570			FLINT	48504
LG02868	1/23/2016	Lead	10	Copper	0			FLINT	48507
LG06645	1/31/2016	Lead	3	Copper	0		AVE	FLINT	48507
LG04309	1/26/2016	Lead	6	Copper	260			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09834	2/5/2016	Lead	3	Copper	60			FLINT	48504
LG05544	1/28/2016	Lead	0	Copper	0			FLINT	
LG08503	2/3/2016	Lead	9	Copper	70			FLINT	48505
LG02627	1/22/2016	Lead	2	Copper	0			FLINT	48506
LG08323	2/3/2016	Lead	0	Copper	50			FLINT	
LG07988	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG09099	2/4/2016	Lead	0	Copper	50			FLINT	48507
LG07485	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG05558	1/28/2016	Lead	0	Copper	0		)R	FLINT	48507
LG08463	2/3/2016	Lead	0	Copper	0		)R	FLINT	48507
LG00860	1/20/2016	Lead	0	Copper	70		)R	FLINT	48507
LG06808	2/1/2016	Lead	0	Copper	50		)R	FLINT	48507
LG00975	1/20/2016	Lead	0	Copper	70		)R	FLINT	48507
LG08697	2/3/2016	Lead	[redacted]	Copper	310		)R	FLINT	48507
LF92717	11/18/2015	Lead	3	Copper	90		)R	FLINT	
LG09701	2/5/2016	Lead	[redacted]	Copper	70		)R	FLINT	48507
LG09260	2/4/2016	Lead	1	Copper	90		)R	FLINT	48507
LG09693	2/5/2016	Lead	0	Copper	270		)R	FLINT	48507
LG05583	1/28/2016	Lead	1	Copper	0		)R	FLINT	48507
LG03103	1/24/2016	Lead	0	Copper	150		)R	FLINT	48507
LG10253	2/6/2016	Lead	3	Copper	180		)R	FLINT	48507
LF95916	12/10/2015	Lead	0	Copper	110		)R	FLINT	48507
LG01253	1/21/2016	Lead	0	Copper	90		)R	FLINT	48507
LG09691	2/5/2016	Lead	1	Copper	50		)R	FLINT	48507
LG06351	1/30/2016	Lead	3	Copper	90		)R	FLINT	48507
LG07067	2/1/2016	Lead	0	Copper	0		)R	FLINT	48507
LG06912	2/1/2016	Lead	0	Copper	100		)R	FLINT	48507
LG06943	2/1/2016	Lead	0	Copper	180		)R	FLINT	48507
LG07018	2/1/2016	Lead	[redacted]	Copper	320		)R	FLINT	48507
LG09805	2/5/2016	Lead	1	Copper	0		)RIVE	FLINT	48507
LG01744	1/21/2016	Lead	0	Copper	0		)RIVE	FLINT	48507
LG06290	1/30/2016	Lead	2	Copper	140		)RIVE	FLINT	48507
LG05735	1/28/2016	Lead	0	Copper	150		)RIVE	FLINT	48507
LG03152	1/24/2016	Lead	0	Copper	60		R	FLINT	48505
LG06925	2/1/2016	Lead	2	Copper	150			FLINT	
LG06951	2/1/2016	Lead	11	Copper	100			FLINT	
LF99991	1/15/2016	Lead	0	Copper	0			FLINT	***
LG01971	1/21/2016	Lead	0	Copper	0				
LF87411	10/13/2015	Lead	1	Copper	60			FLINT	48505
LG00557	1/19/2016	Lead	0	Copper	0			FLINT	48505
LG07802	2/2/2016	Lead	6	Copper	50			FLINT	48505
LG04978	1/27/2016	Lead	3	Copper	0			FLINT	
LG05052	1/27/2016	Lead	0	Copper	0			FLINT	
LG05056	1/27/2016	Lead	3	Copper	0			FLINT	
LG08597	2/3/2016	Lead	0	Copper	50			FLINT	48505
LG07021	2/1/2016	Lead	1	Copper	0			FLINT	48505
LG00510	1/19/2016	Lead	0	Copper	0			FLINT	48505
LG06934	2/1/2016	Lead	1	Copper	310		/E	FLINT	
LG10221	2/6/2016	Lead	5	Copper	100		RIVE	FLINT	
LG04136	1/26/2016	Lead	1	Copper	0			FLINT	48504
LG01830	1/21/2016	Lead	1	Copper	0		RIVE	FLINT	48504
LG01594	1/21/2016	Lead	1	Copper	340			FLINT	48503
LF93566	11/24/2015	Lead	8	Copper	790			FLINT	
LG07960	2/2/2016	Lead	8	Copper	450			FLINT	48503
LG05523	1/28/2016	Lead	8	Copper	370			FLINT	48503
LG06196	1/29/2016	Lead	5	Copper	0			FLINT	48503
LG02503	1/22/2016	Lead	6	Copper	270			FLINT	48503
LG09427	2/4/2016	Lead	2	Copper	130			FLINT	48503
LG05521	1/28/2016	Lead	4	Copper	210			FLINT	48503
LF87368	10/13/2015	Lead	2	Copper	250			FLINT	48503
LF88322	10/20/2015	Lead	7	Copper	220			FLINT	48503
LG03707	1/25/2016	Lead	0	Copper	180			FLINT	48503
LF92721	11/18/2015	Lead	2	Copper	0			FLINT	48503
LG01964	1/21/2016	Lead	[redacted]	Copper	270		/E	FLINT	48503
LG10473	2/7/2016	Lead	4	Copper	170		/E	FLINT	48503
LG04790	1/27/2016	Lead	0	Copper	190		/E	FLINT	48503
LG04378	1/26/2016	Lead	0	Copper	0		/E	FLINT	48503
LG09228	2/4/2016	Lead	0	Copper	0			FLINT	
LG06889	2/1/2016	Lead	0	Copper	0			FLINT	48532
LG01956	1/21/2016	Lead	0	Copper	140			FLINT	48503
LG01962	1/21/2016	Lead	3	Copper	70			FLINT	48503
LG02176	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02169	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG02701	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG10110	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG01463	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG05454	1/28/2016	Lead	11	Copper	710			FLINT	48503
LG04930	1/27/2016	Lead	[redacted]	Copper	160			FLINT	48503
LF87389	10/13/2015	Lead	7	Copper	80			FLINT	48505
LF97932	12/29/2015	Lead	0	Copper	0			FLINT	
LF97933	12/29/2015	Lead	0	Copper	0			FLINT	
LF97961	12/29/2015	Lead	[redacted]	Copper	160			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LF97960	12/29/2015	Lead	0	Copper	0		R BLDG 29	FLINT	48505
LG10166	2/6/2016	Lead	1	Copper	60		JE	FLINT	48507
LG01817	1/21/2016	Lead	0	Copper	70		JE	FLINT	48507
LG02446	1/22/2016	Lead	1	Copper	0		JE	FLINT	48507
LG03476	1/25/2016	Lead	2	Copper	0		JE	FLINT	48507
LG06029	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG00490	1/19/2016	Lead	0	Copper	0				48507
LG09097	2/4/2016	Lead	0	Copper	0			FLINT	48507
LF88294	10/20/2015	Lead	2	Copper	0			FLINT	48507
LG09917	2/5/2016	Lead	1	Copper	60			FLINT	48507
LG01721	1/21/2016	Lead	0	Copper	90			FLINT	48507
LG03093	1/24/2016	Lead	0	Copper	0			FLINT	48507
LF86504	10/6/2015	Lead	3	Copper	120			FLINT	48507
LG01265	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG05154	1/27/2016	Lead	1	Copper	0			FLINT	48507
LG07925	2/2/2016	Lead	8	Copper	130			FLINT	48507
LG01849	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG06318	1/30/2016	Lead	0	Copper	70			FLINT	48507
LG08559	2/3/2016	Lead	9	Copper	0			FLINT	48507
LG06211	1/29/2016	Lead	0	Copper	70			FLINT	48507
LG08571	2/3/2016	Lead	0	Copper	130			FLINT	48503
LG02607	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG00965	1/20/2016	Lead	0	Copper	50			FLINT	48503
LG06453	1/30/2016	Lead	1	Copper	60			FLINT	48503
LG09188	2/4/2016	Lead	1	Copper	0			FLINT	48507
LG06644	1/31/2016	Lead	[redacted]	Copper	160			FLINT	
LG01608	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02113	1/21/2016	Lead	[redacted]	Copper	90			FLINT	
LG10513	2/7/2016	Lead	0	Copper	90			FLINT	48507
LG02871	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG04066	1/26/2016	Lead	2	Copper	130			FLINT	48507
LG10241	2/6/2016	Lead	2	Copper	130			FLINT	
LG02378	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG10239	2/6/2016	Lead	15	Copper	100		L	FLINT	48507
LF88953	10/26/2015	Lead	0	Copper	0		APT #10	FLINT	48507
LG06466	1/31/2016	Lead	0	Copper	0		A	FLINT	48506
LG09810	2/5/2016	Lead	3	Copper	0		A	FLINT	48506
LG02731	1/23/2016	Lead	0	Copper	0		A AVE	FLINT	48506
LG01366	1/21/2016	Lead	3	Copper	0		A AVE	FLINT	48506
LG10163	2/6/2016	Lead	1	Copper	70		A AVE	FLINT	48506
LG05230	1/27/2016	Lead	[redacted]	Copper	140		A AVE	FLINT	48506
LG00850	1/20/2016	Lead	1	Copper	0		A AVE	FLINT	48506
LG03655	1/25/2016	Lead	4	Copper	0		A AVE	FLINT	48506
LG10573	2/7/2016	Lead	0	Copper	130		A AVE	FLINT	48506
LG06911	2/1/2016	Lead	[redacted]	Copper	90		A AVE APT A	FLINT	
LG06135	1/29/2016	Lead	[redacted]	Copper	550			FLINT	48506
LG06448	1/30/2016	Lead	[redacted]	Copper	660			FLINT	48504
LG08753	2/3/2016	Lead	3	Copper	0		#5	GRAND BLANC	48439
LG10059	2/6/2016	Lead	4	Copper	130			FLINT	48504
LG05955	1/29/2016	Lead	0	Copper	90			FLINT	48504
LG02304	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02936	1/23/2016	Lead	1	Copper	0			FLINT	48504
LG08393	2/3/2016	Lead	0	Copper	0			FLINT	
LG06545	1/31/2016	Lead	2	Copper	60			FLINT	48503
LG05126	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG05123	1/27/2016	Lead	1	Copper	0			FLINT	48503
LG01586	1/21/2016	Lead	2	Copper	170			FLINT	48503
LG02316	1/22/2016	Lead	[redacted]	Copper	80			FLINT	48507
LG06631	1/31/2016	Lead	1	Copper	0			FLINT	48507
LG10519	2/7/2016	Lead	4	Copper	340			FLINT	48507
LG06890	2/1/2016	Lead	1	Copper	100			FLINT	48507
LG05717	1/28/2016	Lead	2	Copper	0			FLINT	48507
LG06663	1/31/2016	Lead	1	Copper	140		E	FLINT	48507
LG06095	1/29/2016	Lead	7	Copper	0		E	FLINT	48507
LG02476	1/22/2016	Lead	0	Copper	0		E	FLINT	48507
LG06422	1/30/2016	Lead	1	Copper	0		E	FLINT	48507
LG01452	1/21/2016	Lead	2	Copper	0		E	FLINT	48507
LG09333	2/4/2016	Lead	0	Copper	70		E	FLINT	48507
LF99978	1/15/2016	Lead	14	Copper	0		E	FLINT	48507
LG03455	1/25/2016	Lead	8	Copper	120		E	FLINT	48507
LG06794	2/1/2016	Lead	0	Copper	0		E	FLINT	48507
LG10238	2/6/2016	Lead	4	Copper	270		E	FLINT	48507
LG09460	2/4/2016	Lead	0	Copper	0		E	FLINT	48507
LG04472	1/26/2016	Lead	0	Copper	210		E	FLINT	48507
LG01429	1/21/2016	Lead	2	Copper	50		E	FLINT	48507
LG06802	2/1/2016	Lead	1	Copper	130		E	FLINT	48507
LG09222	2/4/2016	Lead	0	Copper	0		E	FLINT	48507
LG02472	1/22/2016	Lead	6	Copper	0		E	FLINT	
LG02380	1/22/2016	Lead	[redacted]	Copper	0		E	FLINT	48507
LG02083	1/21/2016	Lead	3	Copper	100		E	FLINT	48507
LG06620	1/31/2016	Lead	2	Copper	60		E	FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02088	1/21/2016	Lead	4	Copper	60			FLINT	48507
LG02138	1/21/2016	Lead	1	Copper	130			FLINT	48507
LG04187	1/26/2016	Lead	11	Copper	90			FLINT	48507
LG02038	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02329	1/22/2016	Lead	0	Copper	130			FLINT	48507
LG10525	2/7/2016	Lead	0	Copper	0			FLINT	48507
LG02628	1/22/2016	Lead	2	Copper	160			FLINT	48507
LG01523	1/21/2016	Lead	1	Copper	0			FLINT	48507
LF87017	10/8/2015	Lead	3	Copper	370			FLINT	48507
LF90458	11/4/2015	Lead	0	Copper	320			FLINT	48507
LG05546	1/28/2016	Lead	0	Copper	280		ACE	FLINT	48507
LG01198	1/21/2016	Lead	4	Copper	0		ACE	FLINT	48507
LG04069	1/26/2016	Lead	4	Copper	70		ACE	FLINT	48507
LG04366	1/26/2016	Lead	3	Copper	200		ACE	FLINT	48507
LG09108	2/4/2016	Lead	1	Copper	0			BURTON	48507
LG09765	2/5/2016	Lead	11	Copper	100			FLINT	48503
LG05567	1/28/2016	Lead	0	Copper	260			FLINT	
LG07412	2/2/2016	Lead	1	Copper	50			FLINT	48503
LG08788	2/3/2016	Lead	6	Copper	330			FLINT	48503
LG10101	2/6/2016	Lead	2	Copper	140			FLINT	48503
LG09274	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG00533	1/19/2016	Lead	4	Copper	0			FLINT	48503
LG04050	1/26/2016	Lead	11	Copper	150			FLINT	48503
LG07636	2/2/2016	Lead	0	Copper	110			FLINT	48503
LG05069	1/27/2016	Lead	5	Copper	0			FLINT	48503
LG03603	1/25/2016	Lead	5	Copper	0			FLINT	48503
LG09869	2/5/2016	Lead	[redacted]	Copper	290			FLINT	48503
LF85960	10/2/2015	Lead	0	Copper	0			FLINT	48503
LG01892	1/21/2016	Lead	0	Copper	0			FLINT	
LG00985	1/20/2016	Lead	2	Copper	60			FLINT	48503
LG09991	2/5/2016	Lead	6	Copper	170			FLINT	48503
LG08336	2/3/2016	Lead	0	Copper	0			FLINT	48503
LF99961	1/15/2016	Lead	[redacted]	Copper	250				48503
LF99963	1/15/2016	Lead	0	Copper	0			FLINT	48503
LG00007	1/15/2016	Lead	7	Copper	0			FLINT	48503
LG08532	2/3/2016	Lead	[redacted]	Copper	180			FLINT	48503
LG08561	2/3/2016	Lead	1	Copper	60			FLINT	48503
LG08767	2/3/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG08771	2/3/2016	Lead	1	Copper	90			FLINT	48503
LG04785	1/27/2016	Lead	[redacted]	Copper	0			FLINT	48503
LF90459	11/4/2015	Lead	0	Copper	0			FLINT	48503
LG09874	2/5/2016	Lead	1	Copper	0			FLINT	48503
LG05039	1/27/2016	Lead	3	Copper	0			FLINT	48503
LF85954	10/2/2015	Lead	0	Copper	0			FLINT	48503
LG06871	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG04126	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04748	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG09901	2/5/2016	Lead	2	Copper	230			FLINT	48503
LG05491	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG08621	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG07404	2/2/2016	Lead	3	Copper	160			FLINT	48501
LG01995	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG00583	1/19/2016	Lead	12	Copper	0			FLINT	48503
LG00477	1/19/2016	Lead	[redacted]	Copper	0				
LG06838	2/1/2016	Lead	3	Copper	130			FLINT	48503
LG04028	1/26/2016	Lead	1	Copper	50		T 2	FLINT	48503
LG02516	1/22/2016	Lead	5	Copper	0		ET	FLINT	48503
LG03767	1/25/2016	Lead	[redacted]	Copper	90		ET	FLINT	48503
LG02681	1/23/2016	Lead	3	Copper	700			FLINT	48506
LG04379	1/26/2016	Lead	10	Copper	110			FLINT	48504
LG03798	1/25/2016	Lead	0	Copper	90			FLINT	48504
LG07500	2/2/2016	Lead	1	Copper	0			FLINT	48503
LF92722	11/18/2015	Lead	0	Copper	100		E	FLINT	48507
LG05628	1/28/2016	Lead	3	Copper	200		E	FLINT	48050
LG09086	2/4/2016	Lead	2	Copper	0		E	FLINT	48507
LG02168	1/21/2016	Lead	1	Copper	0		E	FLINT	48507
LG02833	1/23/2016	Lead	0	Copper	0		ENUE	FLINT	48507
LG09100	2/4/2016	Lead	0	Copper	0			BURTON	48519
LG09975	2/5/2016	Lead	3	Copper	140			FLINT	48507
LG00455	1/19/2016	Lead	0	Copper	60			FLINT	48507
LG03106	1/24/2016	Lead	5	Copper	160			FLINT	48507
LG05141	1/27/2016	Lead	0	Copper	0		VE	FLINT	48507
LG06462	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG02550	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG01297	1/21/2016	Lead	3	Copper	190			FLINT	48503
LG06785	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG07100	2/1/2016	Lead	3	Copper	60			FLINT	48503
LG02360	1/22/2016	Lead	5	Copper	80			FLINT	48503
LG10164	2/6/2016	Lead	2	Copper	60			FLINT	48503
LG02561	1/22/2016	Lead	5	Copper	60			FLINT	48503
LG04102	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG07484	2/2/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG07416	2/2/2016	Lead	0	Copper	0			FLINT	
LG10272	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG08434	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG02061	1/21/2016	Lead	4	Copper	50			FLINT	48503
LG02015	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04398	1/26/2016	Lead	0	Copper	50			FLINT	48503
LG04236	1/26/2016	Lead	0	Copper	0			FLINT	
LG07454	2/2/2016	Lead	7	Copper	0		UE	FLINT	48503
LG02961	1/23/2016	Lead	0	Copper	0		UE	FLINT	48503
LG05934	1/29/2016	Lead	6	Copper	60			FLINT	48506
LG07973	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG04827	1/27/2016	Lead	[redacted]	Copper	110			FLINT	48506
LG05561	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG06744	2/1/2016	Lead	0	Copper	0			FLINT	
LG03053	1/24/2016	Lead	2	Copper	0			FLINT	48506
LG00881	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG10575	2/7/2016	Lead	0	Copper	60			FLINT	48506
LG05164	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG07851	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG02680	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG00898	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG03599	1/25/2016	Lead	1	Copper	70			FLINT	
LG01839	1/21/2016	Lead	0	Copper	0		/E	FLINT	48506
LG08664	2/3/2016	Lead	0	Copper	0		/E	FLINT	48506
LG06152	1/29/2016	Lead	0	Copper	60		/E	FLINT	48506
LG07758	2/2/2016	Lead	0	Copper	0		/E	FLINT	48506
LG03803	1/25/2016	Lead	0	Copper	0		/E	FLINT	48506
LG09808	2/5/2016	Lead	2	Copper	530		/E	FLINT	48506
LG02522	1/22/2016	Lead	0	Copper	60		/E	FLINT	48505
LG05676	1/28/2016	Lead	3	Copper	0		/E	FLINT	48506
LG05667	1/28/2016	Lead	0	Copper	1,020		/E	FLINT	48506
LG01480	1/21/2016	Lead	0	Copper	0		/E	FLINT	48506
LG10556	2/7/2016	Lead	0	Copper	0		/E	FLINT	48506
LG00520	1/19/2016	Lead	2	Copper	100		/E	FLINT	48506
LG01359	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG07787	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG08672	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG04786	1/27/2016	Lead	0	Copper	50			FLINT	48503
LG09650	2/5/2016	Lead	0	Copper	0			FLINT/BU RTON	48506
LG05016	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG01595	1/21/2016	Lead	[redacted]	Copper	610			FLINT	48504
LG03607	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG05113	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG00542	1/19/2016	Lead	[redacted]	Copper	60			FLINT	48504
LG02216	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG06130	1/29/2016	Lead	[redacted]	Copper	380			FLINT	48504
LG00590	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG00608	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG05174	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG00584	1/19/2016	Lead	0	Copper	0			FLINT	
LG08705	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08645	2/3/2016	Lead	2	Copper	70			FLINT	
LG00525	1/19/2016	Lead	5	Copper	0			FLINT	48504
LG06070	1/29/2016	Lead	2	Copper	0			FLINT	48504
LG07417	2/2/2016	Lead	0	Copper	80			FLINT	48504
LG03793	1/25/2016	Lead	2	Copper	130			FLINT	48504
LG09417	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG02947	1/23/2016	Lead	0	Copper	100			FLINT	48504
LG00837	1/20/2016	Lead	2	Copper	0			FLINT	48504
LG01260	1/21/2016	Lead	2	Copper	140			FLINT	48504
LG02581	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG08655	2/3/2016	Lead	0	Copper	100			FLINT	48503
LG02347	1/22/2016	Lead	3	Copper	80			FLINT	48503
LG09949	2/5/2016	Lead	3	Copper	230			FLINT	48504
LG04084	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG03485	1/25/2016	Lead	[redacted]	Copper	270			FLINT	48504
LG09924	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG01242	1/21/2016	Lead	0	Copper	70			FLINT	48504
LG02615	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02505	1/22/2016	Lead	9	Copper	230			FLINT	48504
LF87929	10/16/2015	Lead	0	Copper	0			FLINT	48504
LG09428	2/4/2016	Lead	[redacted]	Copper	240		REET	FLINT	48504
LG03645	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG06950	2/1/2016	Lead	[redacted]	Copper	110			FLINT	48503
LG06429	1/30/2016	Lead	0	Copper	0		ST	FLINT	48503
LG01511	1/21/2016	Lead	0	Copper	50		ST	FLINT	48503
LG02711	1/23/2016	Lead	0	Copper	0		ST	FLINT	48503
LG03062	1/24/2016	Lead	0	Copper	0		ST	FLINT	48503
LG03080	1/24/2016	Lead	0	Copper	0		ST	FLINT	48503
LG02455	1/22/2016	Lead	0	Copper	0		ST	FLINT	48503
LG07633	2/2/2016	Lead	0	Copper	70		ST	FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07641	2/2/2016	Lead	0	Copper	0		T	FLINT	48503
LG06628	1/31/2016	Lead	0	Copper	130		T	FLINT	
LG05992	1/29/2016	Lead	0	Copper	0		T	FLINT	48503
LG09234	2/4/2016	Lead	0	Copper	0		T	FLINT	48503
LG06421	1/30/2016	Lead	6	Copper	80		T	FLINT	48503
LG07474	2/2/2016	Lead	0	Copper	0		TREET	FLINT	48503
LG01392	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG09910	2/5/2016	Lead	0	Copper	80			FLINT	48503
LG03142	1/24/2016	Lead	0	Copper	0			FLINT	
LG07790	2/2/2016	Lead	0	Copper	0			FLINT	
LG06055	1/29/2016	Lead	2	Copper	0			FLINT	
LG05984	1/29/2016	Lead	1	Copper	180			FLINT	48503
LG03557	1/25/2016	Lead	8	Copper	100			FLINT	48503
LG06775	2/1/2016	Lead	4	Copper	190			FLINT	48503
LG09908	2/5/2016	Lead	0	Copper	0		NUE	FLINT	48503
LG02930	1/23/2016	Lead	0	Copper	0		NUE	FLINT	48503
LG08544	2/3/2016	Lead	0	Copper	0		E	FLINT	48507
LG10084	2/6/2016	Lead	0	Copper	0		E @ FISHERMANS COVE	FLINT	48507
LG10090	2/6/2016	Lead	0	Copper	0		E FISHERMAN'S COVE	FLINT	48507-6230
LG07894	2/2/2016	Lead	0	Copper	80			FLINT	48507
LG02928	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG09082	2/4/2016	Lead	11	Copper	50			FLINT	48503
LG09205	2/4/2016	Lead	4	Copper	0			FLINT	48503
LG02066	1/21/2016	Lead	0	Copper	110			FLINT	48503
LG05458	1/28/2016	Lead	0	Copper	130			FLINT	48503
LG05986	1/29/2016	Lead	3	Copper	0			FLINT	48503
LG07433	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG09821	2/5/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG09101	2/4/2016	Lead	0	Copper	70			FLINT	48506
LG06636	1/31/2016	Lead	0	Copper	190			FLINT	
LG09079	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG05256	1/27/2016	Lead	1	Copper	0			FLINT	48503
LF99950	1/15/2016	Lead	0	Copper	0			FLINT	48503
LF99958	1/15/2016	Lead	2	Copper	180			FLINT	48503
LG07663	2/2/2016	Lead	1	Copper	110			FLINT	48503
LG04939	1/27/2016	Lead	0	Copper	90			FLINT	48503
LG10097	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG04228	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG00838	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG01652	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG06541	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG01735	1/21/2016	Lead	10	Copper	70			FLINT	48503
LG06193	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06833	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG03792	1/25/2016	Lead	2	Copper	70			FLINT	48504
LF87430	10/13/2015	Lead	3	Copper	190			FLINT	48504
LG05613	1/28/2016	Lead	3	Copper	140			FLINT	48504
LG09994	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG06458	1/30/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG01930	1/21/2016	Lead	6	Copper	0			FLINT	48504
LG10175	2/6/2016	Lead	4	Copper	0			FLINT	48504
LG00489	1/19/2016	Lead	1	Copper	0			FLINT	48504
LG02797	1/23/2016	Lead	14	Copper	0			FLINT	
LG04757	1/27/2016	Lead	13	Copper	90			FLINT	48504
LG07896	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG02097	1/21/2016	Lead	0	Copper	120			FLINT	48504
LG01959	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG09424	2/4/2016	Lead	[redacted]	Copper	290			FLINT	48504
LG01381	1/21/2016	Lead	2	Copper	80			FLINT	48504
LG10522	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG02137	1/21/2016	Lead	[redacted]	Copper	200			FLINT	
LG02080	1/21/2016	Lead	0	Copper	90			FLINT	
LG07832	2/2/2016	Lead	0	Copper	70		NE	FLINT	48507
LG09978	2/5/2016	Lead	1	Copper	100		NE	FLINT	48507
LG07576	2/2/2016	Lead	0	Copper	100			FLINT	48507
LG02781	1/23/2016	Lead	0	Copper	80			FLINT	48504
LG05266	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG03482	1/25/2016	Lead	0	Copper	0		E	BURTON	48529
LG08349	2/3/2016	Lead	2	Copper	0			FLINT	48507
LG06632	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG04465	1/26/2016	Lead	1	Copper	240			FLINT	48507
LG08742	2/3/2016	Lead	1	Copper	110		4	FLINT	48503
LG03484	1/25/2016	Lead	3	Copper	60		D	FLINT	48507
LF87060	10/8/2015	Lead	9	Copper	0		D	FLINT	48507
LG02081	1/21/2016	Lead	0	Copper	0		D	FLINT	48507
LG07908	2/2/2016	Lead	0	Copper	70		D	FLINT	48507
LG10248	2/6/2016	Lead	0	Copper	0		D	FLINT	48507
LG09092	2/4/2016	Lead	2	Copper	70		D	FLINT	48507
LG00476	1/19/2016	Lead	0	Copper	0		D	FLINT	48507
LG00523	1/19/2016	Lead	1	Copper	100		D	FLINT	48507
LG00488	1/19/2016	Lead	[redacted]	Copper	210		D	FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG05695	1/28/2016	Lead	[redacted]	Copper	100		PD	FLINT	48507
LG06600	1/31/2016	Lead	6	Copper	70		)	FLINT	
LG05555	1/28/2016	Lead	3	Copper	0		)	FLINT	48529
LG06818	2/1/2016	Lead	0	Copper	110		)	FLINT	48507
LG02365	1/22/2016	Lead	0	Copper	0		)	FLINT	48507
LG08760	2/3/2016	Lead	0	Copper	70		)	FLINT	48507
LG09084	2/4/2016	Lead	0	Copper	110		)	FLINT	48507
LG03547	1/25/2016	Lead	0	Copper	120		)	FLINT	48507
LG07813	2/2/2016	Lead	2	Copper	60		)	FLINT	48507
LG07883	2/2/2016	Lead	11	Copper	360		)AD	FLINT	48507
LG07683	2/2/2016	Lead	2	Copper	70		)AD APT B2	FLINT	48507
LG00492	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG02709	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG08365	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG02826	1/23/2016	Lead	4	Copper	0			FLINT	
LG07446	2/2/2016	Lead	2	Copper	80			FLINT	48503
LG06159	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG04747	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG09432	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG06332	1/30/2016	Lead	1	Copper	230		'E	FLINT	48507
LG03495	1/25/2016	Lead	[redacted]	Copper	380		'E	FLINT	48507
LG06140	1/29/2016	Lead	0	Copper	90		'E	FLINT	48507
LG09688	2/5/2016	Lead	10	Copper	70		'E	FLINT	48507
LG00897	1/20/2016	Lead	[redacted]	Copper	0		'E	FLINT	48507
LG02048	1/21/2016	Lead	5	Copper	0		E	FLINT	48507
LG00539	1/19/2016	Lead	2	Copper	70		ENUE	FLINT	48507
LG09388	2/4/2016	Lead	0	Copper	0		ENUE	FLINT	48507
LG10552	2/7/2016	Lead	2	Copper	0			FLINT	48507
LG09893	2/5/2016	Lead	1	Copper	100			FLINT	48503
LG09864	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG02878	1/23/2016	Lead	9	Copper	0			FLINT	48503
LG02782	1/23/2016	Lead	7	Copper	80			FLINT	48532
LG01372	1/21/2016	Lead	1	Copper	0			FLINT	48532
LG05500	1/28/2016	Lead	0	Copper	0			FLINT	48532
LG06320	1/30/2016	Lead	0	Copper	120			FLINT	48507
LG01816	1/21/2016	Lead	0	Copper	110			FLINT	48506
LG07797	2/2/2016	Lead	5	Copper	80				48506
LG07897	2/2/2016	Lead	4	Copper	190			FLINT	48506
LG05671	1/28/2016	Lead	0	Copper	50			FLINT	48506
LG02992	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG07844	2/2/2016	Lead	3	Copper	600			FLINT	48506
LG05048	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG02451	1/22/2016	Lead	7	Copper	0			FLINT	48506
LG01620	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG06310	1/30/2016	Lead	0	Copper	0			FLINT	48506
LF88962	10/26/2015	Lead	0	Copper	0			FLINT	48506
LF87392	10/13/2015	Lead	0	Copper	0			FLINT	
LF97956	12/29/2015	Lead	0	Copper	0			FLINT	
LG03089	1/24/2016	Lead	0	Copper	60			FLINT	48506
LG02788	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG06148	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06750	2/1/2016	Lead	2	Copper	110				48506
LG02206	1/21/2016	Lead	0	Copper	210			FLINT	48506
LG06959	2/1/2016	Lead	1	Copper	120			FLINT	48506
LF97948	12/29/2015	Lead	3	Copper	170			FLINT	
LG02619	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02552	1/22/2016	Lead	0	Copper	70			FLINT	48503
LG02369	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02321	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG05515	1/28/2016	Lead	0	Copper	290			FLINT	48532
LG05592	1/28/2016	Lead	4	Copper	80			FLINT	48503
LG03133	1/24/2016	Lead	13	Copper	60			FLINT	48503
LG09239	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG02639	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02118	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG05260	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG02199	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01669	1/21/2016	Lead	2	Copper	60			FLINT	48506
LG05183	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG06170	1/29/2016	Lead	4	Copper	60			FLINT	48506
LG07586	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG03656	1/25/2016	Lead	0	Copper	0			FLINT	
LG05482	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG03781	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG05617	1/28/2016	Lead	0	Copper	0		VE	FLINT	48506
LG02063	1/21/2016	Lead	0	Copper	0		VE	FLINT	48506
LF87056	10/8/2015	Lead	6	Copper	160		VE	FLINT	48506
LG07719	2/2/2016	Lead	2	Copper	130		VE	FLINT	48506
LG06115	1/29/2016	Lead	0	Copper	0		VE	FLINT	48506
LG09754	2/5/2016	Lead	0	Copper	0		VE	FLINT	48506
LG07593	2/2/2016	Lead	0	Copper	50		VE	FLINT	48506
LG09951	2/5/2016	Lead	0	Copper	0		VE	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG03596	1/25/2016	Lead	0	Copper	90		E	FLINT	48506
LG02149	1/21/2016	Lead	1	Copper	0		E	FLINT	48506
LG05993	1/29/2016	Lead	0	Copper	0		E	FLINT	48506
LG01492	1/21/2016	Lead	0	Copper	0		E	FLINT	48506
LG03541	1/25/2016	Lead	0	Copper	0		E	FLINT	48506
LG02175	1/21/2016	Lead	3	Copper	0		E	FLINT	48506
LG01838	1/21/2016	Lead	3	Copper	70		E	FLINT	48506
LG04170	1/26/2016	Lead	0	Copper	0		E	FLINT	48506
LF86485	10/6/2015	Lead	0	Copper	0		E #1	FLINT	48506
LF86481	10/6/2015	Lead	0	Copper	0		E #2	FLINT	48506
LG02126	1/21/2016	Lead	0	Copper	60			FLINT	48505
LG02971	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02937	1/23/2016	Lead	0	Copper	130			FLINT	48532
LG01655	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG05103	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG07558	2/2/2016	Lead	0	Copper	90			FLINT	48532
LG05568	1/28/2016	Lead	2	Copper	0			FLINT	48532
LG01239	1/21/2016	Lead	0	Copper	60			FLINT	
LG07957	2/2/2016	Lead	0	Copper	60			FLINT	48532
LG03068	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG04387	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG07815	2/2/2016	Lead	0	Copper	90			FLINT	48503
LG07425	2/2/2016	Lead	0	Copper	200		)R	FLINT	
LG04516	1/26/2016	Lead	0	Copper	0		)R	FLINT	48532
LG03594	1/25/2016	Lead	0	Copper	0		)RIVE	FLINT	48532
LG08624	2/3/2016	Lead	4	Copper	0			FLINT	48532
LG00517	1/19/2016	Lead	5	Copper	260			FLINT	48505
LG09399	2/4/2016	Lead	1	Copper	80			FLINT	
LG00530	1/19/2016	Lead	1	Copper	110			FLINT	48505
LG06854	2/1/2016	Lead	7	Copper	130			FLINT	48505
LG04800	1/27/2016	Lead	4	Copper	140			FLINT	48503
LG08425	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG06900	2/1/2016	Lead	0	Copper	0			FLINT	48506
LF87408	10/13/2015	Lead	2	Copper	550			FLINT	48506
LF87366	10/13/2015	Lead	[redacted]	Copper	[redacted]			FLINT	48506
LG09273	2/4/2016	Lead	0	Copper	80			FLINT	48503
LG07657	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG00620	1/19/2016	Lead	2	Copper	120			FLINT	48506
LG00982	1/20/2016	Lead	1	Copper	110			FLINT	48406
LG06366	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG03610	1/25/2016	Lead	0	Copper	180			FLINT	48502
LG06765	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG05757	1/28/2016	Lead	8	Copper	190			FLINT	48505
LF90460	11/4/2015	Lead	4	Copper	0			FLINT	48505
LG05542	1/28/2016	Lead	0	Copper	0			FLINT	48507
LG07571	2/2/2016	Lead	0	Copper	70			FLINT	48507
LG06354	1/30/2016	Lead	0	Copper	100		NE	FLINT	48507
LG02178	1/21/2016	Lead	0	Copper	100		NE	FLINT	48507
LG09128	2/4/2016	Lead	0	Copper	190		NES	FLINT	48507
LG07567	2/2/2016	Lead	0	Copper	100			FLINT	48507
LG08489	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG07507	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG08356	2/3/2016	Lead	2	Copper	50			FLINT	48507
LG04123	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG08743	2/3/2016	Lead	3	Copper	110			FLINT	48503
LG01898	1/21/2016	Lead	1	Copper	70			FLINT	
LG06400	1/30/2016	Lead	5	Copper	70			FLINT	48503
LG04224	1/26/2016	Lead	3	Copper	70			FLINT	48503
LG04230	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG07986	2/2/2016	Lead	6	Copper	100			FLINT	48503
LF94262	12/2/2015	Lead	6	Copper	230			FLINT	48503
LG03029	1/24/2016	Lead	[redacted]	Copper	170		/E	FLINT	48503
LG04534	1/26/2016	Lead	3	Copper	100		/E	FLINT	48503
LG07827	2/2/2016	Lead	3	Copper	0		/E	FLINT	48503
LG09965	2/5/2016	Lead	3	Copper	0		/E	FLINT	48503
LG02144	1/21/2016	Lead	1	Copper	0		/E	FLINT	48503
LG06973	2/1/2016	Lead	10	Copper	180		/E	FLINT	48503
LG07672	2/2/2016	Lead	0	Copper	140			FLINT	48503
LG04097	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG01280	1/21/2016	Lead	7	Copper	0			FLINT	48505
LG06470	1/31/2016	Lead	0	Copper	330			FLINT	48503
LG06178	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG01643	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG06418	1/30/2016	Lead	0	Copper	0			FLINT	48504
LG09401	2/4/2016	Lead	0	Copper	0		IVE	FLINT	48504
LG10208	2/6/2016	Lead	0	Copper	60			FLINT	48506
LG10596	2/7/2016	Lead	1	Copper	0			FLINT	48506
LG06212	1/29/2016	Lead	0	Copper	0			FLINT	48532
LG10204	2/6/2016	Lead	0	Copper	100			FLINT	48532
LG09304	2/4/2016	Lead	0	Copper	70			FLINT	48532
LG06741	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG05907	1/29/2016	Lead	1	Copper	0			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S[illegible]t #	[illegible] Street Name	City	Zip Code
LG09221	2/4/2016	Lead	2	Copper	50			FLINT	48504
LG04058	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG02221	1/21/2016	Lead	2	Copper	0			FLINT	48504
LF88304	10/20/2015	Lead	1	Copper	0			FLINT	48503
LF97323	12/18/2015	Lead	2	Copper	0			FLINT	48507
LG09795	2/5/2016	Lead	0	Copper	200			FLINT	48503
LG05156	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG08396	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG04783	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG07968	2/2/2016	Lead	2	Copper	140		HWY	FLINT	48532
LG01542	1/21/2016	Lead	0	Copper	0		HWY	FLINT	48532
LG03760	1/25/2016	Lead	0	Copper	90		HWY	FLINT	48532
LF88299	10/20/2015	Lead	1	Copper	160			FLINT	48504
LG06563	1/31/2016	Lead	0	Copper	0		TE A	FLINT	48506
LG02103	1/21/2016	Lead	3	Copper	110			FLINT	48506
LG08710	2/3/2016	Lead	1	Copper	50			FLINT	48503
LG10092	2/6/2016	Lead	5	Copper	70		D ST	FLINT	48503
LG01790	1/21/2016	Lead	0	Copper	0		D ST	FLINT	
LF97339	12/18/2015	Lead	0	Copper	0		D ST	FLINT	
LG06764	2/1/2016	Lead	0	Copper	0		D ST	FLINT	48503
LG03502	1/25/2016	Lead	0	Copper	0		EET	FLINT	
LG04509	1/26/2016	Lead	3	Copper	180			FLINT	48503
LG06390	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG00450	1/19/2016	Lead	0	Copper	[redacted]			FLINT	48503
LG00462	1/19/2016	Lead	2	Copper	240			FLINT	48503
LG00469	1/19/2016	Lead	0	Copper	110			FLINT	48503
LG00512	1/19/2016	Lead	1	Copper	280			FLINT	48503
LG00851	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG07506	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG08335	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG09695	2/5/2016	Lead	3	Copper	520			FLINT	48507
LG10018	2/5/2016	Lead	[redacted]	Copper	160			FLINT	48507
LG06387	1/30/2016	Lead	0	Copper	0				48503
LG07562	2/2/2016	Lead	[redacted]	Copper	170			FLINT	48507
LG07591	2/2/2016	Lead	3	Copper	140			FLINT	48507
LG05097	1/27/2016	Lead	0	Copper	180			FLINT	48507
LG03039	1/24/2016	Lead	0	Copper	0			FLINT	48507
LF86514	10/6/2015	Lead	0	Copper	340			FLINT	48503
LF86516	10/6/2015	Lead	0	Copper	490			FLINT	48503
LF86478	10/6/2015	Lead	8	Copper	1,110			FLINT	48503
LF86477	10/6/2015	Lead	0	Copper	0			FLINT	48503
LF86479	10/6/2015	Lead	0	Copper	360			FLINT	48503
LG02079	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG03730	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG07016	2/1/2016	Lead	4	Copper	0			FLINT	48507
LG04038	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04035	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG09383	2/4/2016	Lead	0	Copper	270			FLINT	48507
LG02233	1/21/2016	Lead	0	Copper	200			FLINT	48509
LG05549	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG00468	1/19/2016	Lead	0	Copper	130			FLINT	48503
LG05754	1/28/2016	Lead	0	Copper	0			FLINT	48507
LG01972	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG05916	1/29/2016	Lead	0	Copper	90			FLINT	48532
LG02389	1/22/2016	Lead	0	Copper	70			FLINT	48532
LG08261	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG01699	1/21/2016	Lead	4	Copper	0			FLINT	48503
LG00552	1/19/2016	Lead	1	Copper	50			FLINT	48503
LG05935	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG01674	1/21/2016	Lead	0	Copper	70			FLINT	48503
LG07512	2/2/2016	Lead	0	Copper	90			FLINT	48503
LG04864	1/27/2016	Lead	1	Copper	50			FLINT	48503
LG09988	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG05713	1/28/2016	Lead	3	Copper	50		I	FLINT	48503
LG02482	1/22/2016	Lead	2	Copper	0		IE	FLINT	48503
LG07825	2/2/2016	Lead	5	Copper	0		IE	FLINT	48503
LF87058	10/8/2015	Lead	3	Copper	0		IE	FLINT	48503
LG06734	2/1/2016	Lead	2	Copper	0		IE	FLINT	48503
LG04215	1/26/2016	Lead	2	Copper	0		IE	FLINT	48503
LG05535	1/28/2016	Lead	0	Copper	0		IE	FLINT	48503
LG05509	1/28/2016	Lead	5	Copper	0		IE	FLINT	48503
LG06136	1/29/2016	Lead	11	Copper	60		IE	FLINT	48503
LG04871	1/27/2016	Lead	0	Copper	0		IE	FLINT	48503
LG03159	1/24/2016	Lead	6	Copper	80		IE	FLINT	48503
LG01656	1/21/2016	Lead	4	Copper	70		IE	FLINT	48503
LG06530	1/31/2016	Lead	2	Copper	0		IE	FLINT	48503
LG04507	1/26/2016	Lead	8	Copper	70		IE	FLINT	48503
LG05971	1/29/2016	Lead	3	Copper	230		IE	FLINT	48503
LG04875	1/27/2016	Lead	3	Copper	190		IE	FLINT	48503
LG01614	1/21/2016	Lead	2	Copper	0		IE	FLINT	48503
LG02179	1/21/2016	Lead	2	Copper	0		IE	FLINT	48503
LG07847	2/1/2016	Lead	0	Copper	0		IE	FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG08291	2/3/2016	Lead	4	Copper	0		E	FLINT	48503
LG06058	1/29/2016	Lead	5	Copper	0		E	FLINT	48503
LG03044	1/24/2016	Lead	0	Copper	100		E	FLINT	48503
LG09190	2/4/2016	Lead	5	Copper	0		E	FLINT	48503
LF87939	10/16/2015	Lead	11	Copper	180		E	FLINT	48503
LG07646	2/2/2016	Lead	2	Copper	0		E	FLINT	48503
LG09490	2/4/2016	Lead	3	Copper	150		E	FLINT	48503
LG03492	1/25/2016	Lead	1	Copper	100		E	FLINT	48503
LG00866	1/20/2016	Lead	0	Copper	340		E	FLINT	48503
LG06257	1/30/2016	Lead	0	Copper	340		E	FLINT	48503
LF92727	11/18/2015	Lead	0	Copper	0		E	FLINT	48503
LG06529	1/31/2016	Lead	0	Copper	70		E	FLINT	48504
LG02454	1/22/2016	Lead	2	Copper	150		E	FLINT	48503
LG01729	1/21/2016	Lead	3	Copper	0			FLINT	48503
LF88290	10/20/2015	Lead	1	Copper	0			FLINT	48503
LG03046	1/24/2016	Lead	0	Copper	0		E	FLINT	48507
LG05190	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG06555	1/31/2016	Lead	1	Copper	250		ERSE	FLINT	48502
LG05185	1/27/2016	Lead	2	Copper	0		ERSE	FLINT	48502
LG07419	2/2/2016	Lead	[redacted]	Copper	340		ERSE	FLINT	48503
LG01351	1/21/2016	Lead	[redacted]	Copper	50		ERSE	FLINT	48502
LF88300	10/20/2015	Lead	[redacted]	Copper	90		ERSE	FLINT	48503
LF99922	1/15/2016	Lead	[redacted]	Copper	270		ERSE		
LG08337	2/3/2016	Lead	6	Copper	0		ERSE	FLINT	48507
LG07583	2/2/2016	Lead	0	Copper	0		ERSE	FLINT	48507
LG07476	2/2/2016	Lead	0	Copper	0		ERSE	FLINT	48507
LG03530	1/25/2016	Lead	0	Copper	0		ERSE	FLINT	48507
LG04558	1/26/2016	Lead	0	Copper	70		ERSE	FLINT	48507
LG01932	1/21/2016	Lead	0	Copper	0		ERSE APT 1	FLINT	48502
LG05609	1/28/2016	Lead	0	Copper	250		ERSE ST	FLINT	48502
LG03714	1/25/2016	Lead	4	Copper	0		ERSE ST	FLINT	48502
LG00879	1/20/2016	Lead	3	Copper	90		ERSE ST	FLINT	48502
LG01935	1/21/2016	Lead	5	Copper	50		ERSE ST	FLINT	48502
LG02056	1/21/2016	Lead	4	Copper	70		ERSE ST	FLINT	48503
LG10212	2/6/2016	Lead	[redacted]	Copper	420		ERSE ST	FLINT	48507
LG06909	2/1/2016	Lead	0	Copper	0		ERSE ST	FLINT	48507
LG03745	1/25/2016	Lead	0	Copper	50		R	FLINT	48506
LF99910	1/15/2016	Lead	0	Copper	0		VD	FLINT	48506
LG09775	2/5/2016	Lead	0	Copper	0		VD	FLINT	48506
LG05472	1/28/2016	Lead	0	Copper	0		VD		48506
LG03815	1/25/2016	Lead	0	Copper	0		VD	FLINT	48506
LG07977	2/2/2016	Lead	0	Copper	70		VD	FLINT	48506
LF87427	10/13/2015	Lead	1	Copper	580			FLINT	
LG06805	2/1/2016	Lead	0	Copper	140			FLINT	48507
LG02402	1/22/2016	Lead	0	Copper	320		UITE 5	FLINT	48507
LG06270	1/30/2016	Lead	5	Copper	90			FLINT	48503
LG02838	1/23/2016	Lead	0	Copper	130			FLINT	48503
LG05045	1/27/2016	Lead	[redacted]	Copper	160			FLINT	48503
LF85614	9/30/2015	Lead	3	Copper	0			FLINT	48503
LG08784	2/3/2016	Lead	5	Copper	50			FLINT	48503
LG10467	2/7/2016	Lead	0	Copper	200			FLINT	48503
LG00571	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG05231	1/27/2016	Lead	1	Copper	100		6	FLINT	48503
LG00596	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG08432	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG01477	1/21/2016	Lead	0	Copper	0			FLINT	
LG03587	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG08702	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG04799	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG01237	1/21/2016	Lead	5	Copper	0		T 8	FLINT	48503
LG09839	2/5/2016	Lead	0	Copper	0		T 8	FLINT	48503
LG07045	2/1/2016	Lead	0	Copper	0			FLINT	48504
LF99994	1/15/2016	Lead	1	Copper	120			FLINT	48502
LG03143	1/24/2016	Lead	0	Copper	210			FLINT	48503
LG03145	1/24/2016	Lead	0	Copper	310			FLINT	48503
LG03146	1/24/2016	Lead	0	Copper	320			FLINT	48503
LG03162	1/24/2016	Lead	0	Copper	280			FLINT	48503
LG03165	1/24/2016	Lead	0	Copper	320			FLINT	48503
LG07514	2/2/2016	Lead	0	Copper	90			BURTON	48529
LF97925	12/18/2015	Lead	1	Copper	830		05	FLINT	48502
LG09184	2/4/2016	Lead	0	Copper	70		T 501	FLINT	48502
LF85958	10/2/2015	Lead	2	Copper	920			FLINT	48502
LF88280	10/20/2015	Lead	0	Copper	190			FLINT	48502
LF91276	11/9/2015	Lead	5	Copper	120			FLINT	48502
LG05715	1/28/2016	Lead	0	Copper	440			FLINT	48502
LG04242	1/26/2016	Lead	0	Copper	0				
LG05015	1/27/2016	Lead	2	Copper	100			FLINT	48503
LF88278	10/20/2015	Lead	1	Copper	630			FLINT	48503
LF88283	10/20/2015	Lead	0	Copper	520			FLINT	48503
LF88288	10/20/2015	Lead	2	Copper	620			FLINT	48503
LF88291	10/20/2015	Lead	1	Copper	330			FLINT	48503
LF88293	10/20/2015	Lead	0	Copper	610			FLINT	48503

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LF88297	10/20/2015	Lead	1	Copper	450			FLINT	48503
LF88302	10/20/2015	Lead	0	Copper	560			FLINT	48503
LF88303	10/20/2015	Lead	2	Copper	180			FLINT	48503
LF88308	10/20/2015	Lead	0	Copper	590			FLINT	48503
LF88309	10/20/2015	Lead	0	Copper	530			FLINT	48503
LF88310	10/20/2015	Lead	0	Copper	610			FLINT	48503
LF88312	10/20/2015	Lead	1	Copper	220			FLINT	48503
LF88313	10/20/2015	Lead	0	Copper	630			FLINT	48503
LF88315	10/20/2015	Lead	1	Copper	190			FLINT	48503
LF88316	10/20/2015	Lead	0	Copper	710			FLINT	48503
LF88317	10/20/2015	Lead	0	Copper	670			FLINT	48503
LF88318	10/20/2015	Lead	0	Copper	450			FLINT	48503
LF88319	10/20/2015	Lead	0	Copper	910			FLINT	48503
LF88321	10/20/2015	Lead	2	Copper	180			FLINT	48503
LF88323	10/20/2015	Lead	0	Copper	800			FLINT	48503
LF88325	10/20/2015	Lead	0	Copper	800			FLINT	48503
LG02780	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG08498	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG09124	2/4/2016	Lead	14	Copper	180			FLINT	48507
LG01796	1/21/2016	Lead	0	Copper	580			FLINT	48507
LG04751	1/27/2016	Lead	0	Copper	290			FLINT	48502
LG07970	2/2/2016	Lead	0	Copper	290			FLINT	48502
LG01726	1/21/2016	Lead	0	Copper	250			FLINT	48502
LF87382	10/13/2015	Lead	1	Copper	590			FLINT	48502
LF87365	10/13/2015	Lead	0	Copper	340			FLINT	48502
LG07895	2/2/2016	Lead	3	Copper	[redacted]			FLINT	48507
LF92738	11/18/2015	Lead	0	Copper	380			FLINT	48502
LG01250	1/21/2016	Lead	0	Copper	370			FLINT	48507
LG01727	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG07447	2/2/2016	Lead	2	Copper	0			FLINT	48503
LG08643	2/3/2016	Lead	0	Copper	0			FLINT	48503
LF87374	10/13/2015	Lead	5	Copper	60			FLINT	48503
LG04219	1/26/2016	Lead	0	Copper	60			FLINT	48503
LG05618	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG01220	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04885	1/27/2016	Lead	0	Copper	0			FLINT	48503
LF97919	12/29/2015	Lead	0	Copper	210			FLINT	48503
LG05918	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG00971	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG09862	2/5/2016	Lead	1	Copper	0			FLINT	48503
LG05447	1/28/2016	Lead	0	Copper	240			FLINT	48503
LG08547	2/3/2016	Lead	2	Copper	120			FLINT	48503
LG03032	1/24/2016	Lead	4	Copper	50			FLINT	48503
LG03597	1/25/2016	Lead	2	Copper	60		HWY	FLINT	48532
LG05640	1/28/2016	Lead	2	Copper	730		T	FLINT	48503
LG02891	1/23/2016	Lead	0	Copper	610		T	FLINT	48507
LG03533	1/25/2016	Lead	13	Copper	110		TREET	FLINT	48507
LG07540	2/2/2016	Lead	1	Copper	90		VE	FLINT	48504
LF88285	10/20/2015	Lead	0	Copper	430		E	FLINT	48532
LG09880	2/5/2016	Lead	0	Copper	0		E	FLINT	48532
LG09361	2/4/2016	Lead	2	Copper	0		ENUE	FLINT	
LG00887	1/20/2016	Lead	1	Copper	0			FLINT	48506
LG00899	1/20/2016	Lead	3	Copper	100		LE	FLINT	48506
LG02571	1/22/2016	Lead	0	Copper	50		LE	FLINT	48506
LG02573	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG04200	1/26/2016	Lead	2	Copper	60			FLINT	48505-2564
LG06903	2/1/2016	Lead	3	Copper	0			FLINT	48505
LG09889	2/5/2016	Lead	4	Copper	50			FLINT	48505-2551
LG10013	2/5/2016	Lead	1	Copper	80			FLINT	48505-1934
LG05553	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG08695	2/3/2016	Lead	0	Copper	220			FLINT	48505
LG00594	1/19/2016	Lead	1	Copper	80			FLINT	48505
LG04335	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG09331	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG10554	2/7/2016	Lead	0	Copper	90			FLINT	48505
LG05066	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04513	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG00603	1/19/2016	Lead	3	Copper	0			FLINT	48505
LG02759	1/23/2016	Lead	4	Copper	0			FLINT	48505
LG07945	2/2/2016	Lead	2	Copper	0			FLINT	48505
LG01355	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG04787	1/27/2016	Lead	0	Copper	60			FLINT	48505
LG02185	1/21/2016	Lead	2	Copper	140			FLINT	48505
LG08451	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08586	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08599	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG02840	1/23/2016	Lead	0	Copper	0		R	FLINT	48506
LG04520	1/26/2016	Lead	2	Copper	70			FLINT	48504
LG08638	2/3/2016	Lead	2	Copper	0			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG06280	1/30/2016	Lead	10	Copper	0			FLINT	48505
LG06343	1/30/2016	Lead	10	Copper	60			FLINT	48507
LG06515	1/31/2016	Lead	10	Copper	140			FLINT	48503
LG06537	1/31/2016	Lead	10	Copper	140			FLINT	48504
LG06567	1/31/2016	Lead	10	Copper	90			FLINT	48507
LG06885	2/1/2016	Lead	10	Copper	0			FLINT	48503
LG06908	2/1/2016	Lead	10	Copper	270		T	FLINT	48532
LG06932	2/1/2016	Lead	10	Copper	0			FLINT	48504
LG06973	2/1/2016	Lead	10	Copper	180			FLINT	48503
LG07095	2/1/2016	Lead	10	Copper	90			FLINT	48504
LG07723	2/2/2016	Lead	10	Copper	180			FLINT	48506
LG07943	2/2/2016	Lead	10	Copper	180			FLINT	48504
LG08519	2/3/2016	Lead	10	Copper	70			FLINT	48505
LG08535	2/3/2016	Lead	10	Copper	130			FLINT	
LG08651	2/3/2016	Lead	10	Copper	0			FLINT	48504
LG08781	2/3/2016	Lead	10	Copper	190			FLINT	48504
LG08791	2/3/2016	Lead	10	Copper	230			FLINT	48503-3535
LG09131	2/4/2016	Lead	10	Copper	300			FLINT	48507
LG09156	2/4/2016	Lead	10	Copper	50			FLINT	48503
LG09203	2/4/2016	Lead	10	Copper	130			FLINT	48504
LG09303	2/4/2016	Lead	10	Copper	160			FLINT	48507
LG09426	2/4/2016	Lead	10	Copper	100			FLINT	48504
LG09688	2/5/2016	Lead	10	Copper	70			FLINT	48507
LG09855	2/5/2016	Lead	10	Copper	100			FLINT	48504
LG09954	2/5/2016	Lead	10	Copper	0			FLINT	48503
LG10082	2/6/2016	Lead	10	Copper	70			FLINT	48506
LG10093	2/6/2016	Lead	10	Copper	70			FLINT	48506
LF85929	10/2/2015	Lead	11	Copper	0			FLINT	48503
LF87052	10/8/2015	Lead	11	Copper	0			FLINT	48504
LF87939	10/16/2015	Lead	11	Copper	180			FLINT	48503
LF95927	12/10/2015	Lead	11	Copper	140		I AVE	FLINT	48503
LF97349	12/18/2015	Lead	11	Copper	0			FLINT	48504
LF97920	12/29/2015	Lead	11	Copper	60			FLINT	48506
LF97978	12/29/2015	Lead	11	Copper	0			FLINT	48504
LF99912	1/15/2016	Lead	11	Copper	70			FLINT	48505
LG00004	1/15/2016	Lead	11	Copper	390		CES NEW LIFE CEN	FLINT	48504
LG00511	1/19/2016	Lead	11	Copper	70			FLINT	
LG01211	1/21/2016	Lead	11	Copper	50			FLINT	48507
LG01259	1/21/2016	Lead	11	Copper	240		ST	FLINT	
LG01436	1/21/2016	Lead	11	Copper	80			FLINT	48507
LG01829	1/21/2016	Lead	11	Copper	1,010			FLINT	48506
LG01940	1/21/2016	Lead	11	Copper	0			FLINT	48506
LG02030	1/21/2016	Lead	11	Copper	0		VE	FLINT	48503
LG02166	1/21/2016	Lead	11	Copper	0			FLINT	48503
LG02443	1/22/2016	Lead	11	Copper	0			FLINT	48503
LG02875	1/23/2016	Lead	11	Copper	80			FLINT	
LG03442	1/25/2016	Lead	11	Copper	70			FLINT	48506
LG03609	1/25/2016	Lead	11	Copper	300			FLINT	48503
LG03768	1/25/2016	Lead	11	Copper	120			FLINT	48503
LG04050	1/26/2016	Lead	11	Copper	150			FLINT	48503
LG04055	1/26/2016	Lead	11	Copper	540			FLINT	48504
LG04187	1/26/2016	Lead	11	Copper	90			FLINT	48507
LG04541	1/26/2016	Lead	11	Copper	0			FLINT	48503
LG05454	1/28/2016	Lead	11	Copper	710			FLINT	48503
LG05455	1/28/2016	Lead	11	Copper	360			FLINT	48504
LG05559	1/28/2016	Lead	11	Copper	80			FLINT	48507
LG05712	1/28/2016	Lead	11	Copper	70			FLINT	48506
LG05739	1/28/2016	Lead	11	Copper	120			FLINT	48507
LG05759	1/28/2016	Lead	11	Copper	140			FLINT	48504
LG05977	1/29/2016	Lead	11	Copper	90			FLINT	48504
LG05982	1/29/2016	Lead	11	Copper	0			FLINT	48503
LG06022	1/29/2016	Lead	11	Copper	120			FLINT	48503
LG06136	1/29/2016	Lead	11	Copper	60			FLINT	48503
LG06339	1/30/2016	Lead	11	Copper	230			FLINT	48503
LG06455	1/30/2016	Lead	11	Copper	100			FLINT	48507
LG06851	2/1/2016	Lead	11	Copper	130		E	FLINT	48507
LG06951	2/1/2016	Lead	11	Copper	100			FLINT	
LG07042	2/1/2016	Lead	11	Copper	70			FLINT	48504
LG07079	2/1/2016	Lead	11	Copper	100			FLINT	48504
LG07461	2/2/2016	Lead	11	Copper	50			FLINT	48507
LG07516	2/2/2016	Lead	11	Copper	0			FLINT	48506
LG07661	2/2/2016	Lead	11	Copper	0			FLINT	48504
LG07883	2/2/2016	Lead	11	Copper	360		D	FLINT	48507
LG07910	2/2/2016	Lead	11	Copper	0	52		FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S[illegible]	Street Name	City	Zip Code
LG08584	2/3/2016	Lead	11	Copper	80		DR	FLINT	48504
LG09082	2/4/2016	Lead	11	Copper	50			FLINT	48503
LG09213	2/4/2016	Lead	11	Copper	0			FLINT	48504
LG09300	2/4/2016	Lead	11	Copper	120			FLINT	48507
LG09360	2/4/2016	Lead	11	Copper	180			FLINT	48507
LG09464	2/4/2016	Lead	11	Copper	0			FLINT	48504
LG09747	2/5/2016	Lead	11	Copper	0			FLINT	48505
LG09765	2/5/2016	Lead	11	Copper	100			FLINT	48503
LG09780	2/5/2016	Lead	11	Copper	130			FLINT	48503
LG09899	2/5/2016	Lead	11	Copper	0			FLINT	48503
LG09922	2/5/2016	Lead	11	Copper	50			FLINT	48506
LG10124	2/6/2016	Lead	11	Copper	140			FLINT	48507
LG10142	2/6/2016	Lead	11	Copper	80			FLINT	48504
LG10565	2/7/2016	Lead	11	Copper	60			FLINT	48506
LF85607	9/30/2015	Lead	12	Copper	150			FLINT	
LF86495	10/6/2015	Lead	12	Copper	0			FLINT	48506
LF86515	10/6/2015	Lead	12	Copper	60			FLINT	48504
LF94271	12/2/2015	Lead	12	Copper	70			FLINT	48503
LF95933	12/10/2015	Lead	12	Copper	0			FLINT	48507
LF97927	12/29/2015	Lead	12	Copper	300		E	FLINT	
LF97980	12/29/2015	Lead	12	Copper	170		ITHERAN CHURCH	FLINT	48505
LG00583	1/19/2016	Lead	12	Copper	0			FLINT	48503
LG00839	1/20/2016	Lead	12	Copper	140		/AY	FLINT	48503
LG02059	1/21/2016	Lead	12	Copper	0			FLINT	48505
LG02110	1/21/2016	Lead	12	Copper	80			FLINT	48507
LG02130	1/21/2016	Lead	12	Copper	0			FLINT	48504
LG02716	1/23/2016	Lead	12	Copper	100			FLINT	48504
LG02770	1/23/2016	Lead	12	Copper	50			FLINT	48503
LG02860	1/23/2016	Lead	12	Copper	90			FLINT	48507
LG02887	1/23/2016	Lead	12	Copper	170			FLINT	48507
LG03520	1/25/2016	Lead	12	Copper	0			FLINT	48503
LG03544	1/25/2016	Lead	12	Copper	100			FLINT	48503
LG03684	1/25/2016	Lead	12	Copper	110			FLINT	48503
LG03802	1/25/2016	Lead	12	Copper	60			FLINT	48503
LG04349	1/26/2016	Lead	12	Copper	0			FLINT	48506
LG04698	1/27/2016	Lead	12	Copper	70			FLINT	48504
LG04802	1/27/2016	Lead	12	Copper	70			FLINT	48503
LG05552	1/28/2016	Lead	12	Copper	230		WY	FLINT	48507
LG06990	2/1/2016	Lead	12	Copper	150			FLINT	48507
LG07546	2/2/2016	Lead	12	Copper	380			FLINT	48504
LG08352	2/3/2016	Lead	12	Copper	190			FLINT	48532
LG08518	2/3/2016	Lead	12	Copper	100			FLINT	48505
LG08617	2/3/2016	Lead	12	Copper	60			FLINT	48504
LG09194	2/4/2016	Lead	12	Copper	160			FLINT	48504
LG09219	2/4/2016	Lead	12	Copper	140			FLINT	48507
LG09317	2/4/2016	Lead	12	Copper	60			FLINT	48505
LG09487	2/4/2016	Lead	12	Copper	110			FLINT	48506
LG09752	2/5/2016	Lead	12	Copper	170			FLINT	48503
LG09980	2/5/2016	Lead	12	Copper	110			FLINT	48509
LG10197	2/6/2016	Lead	12	Copper	120			FLINT	48503
LG10246	2/6/2016	Lead	12	Copper	0			FLINT	48503
LG10586	2/7/2016	Lead	12	Copper	0			FLINT	48505
LF85287	9/29/2015	Lead	13	Copper	120			FLINT	48507
LF87429	10/13/2015	Lead	13	Copper	0			FLINT	48505
LG01522	1/21/2016	Lead	13	Copper	0			FLINT	48504
LG01688	1/21/2016	Lead	13	Copper	0			FLINT	48506
LG01893	1/21/2016	Lead	13	Copper	730			FLINT	48504
LG01913	1/21/2016	Lead	13	Copper	140			BURTON	48529
LG02682	1/23/2016	Lead	13	Copper	490			FLINT	48505
LG02773	1/23/2016	Lead	13	Copper	60			FLINT	48503
LG02836	1/23/2016	Lead	13	Copper	100		IE	FLINT	
LG02849	1/23/2016	Lead	13	Copper	0			FLINT	48504
LG02915	1/23/2016	Lead	13	Copper	130			FLINT	48507
LG03133	1/24/2016	Lead	13	Copper	60			FLINT	48503
LG03465	1/25/2016	Lead	13	Copper	0			FLINT	48507
LG03533	1/25/2016	Lead	13	Copper	110		T	FLINT	48507
LG03567	1/25/2016	Lead	13	Copper	0			FLINT	
LG03583	1/25/2016	Lead	13	Copper	0			FLINT	48532
LG03693	1/25/2016	Lead	13	Copper	140			FLINT	48504
LG04244	1/26/2016	Lead	13	Copper	0			FLINT	48506
LG04489	1/26/2016	Lead	13	Copper	130			FLINT	48507
LG04757	1/27/2016	Lead	13	Copper	90			FLINT	48504
LG04946	1/27/2016	Lead	13	Copper	70			FLINT	48507
LG04980	1/27/2016	Lead	13	Copper	610		OFC	FLINT	48507
LG05072	1/27/2016	Lead	13	Copper	120			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St[illegible]t #	Street Name	City	Zip Code
LG05688	1/28/2016	Lead	13	Copper	210		E	FLINT	48504
LG05689	1/28/2016	Lead	13	Copper	110			FLINT	48504
LG05959	1/29/2016	Lead	13	Copper	0			FLINT	48507
LG06882	2/1/2016	Lead	13	Copper	380			FLINT	48503
LG07428	2/2/2016	Lead	13	Copper	0			FLINT	
LG07462	2/2/2016	Lead	13	Copper	220			FLINT	48503
LG07697	2/2/2016	Lead	13	Copper	80			FLINT	
LG07873	2/2/2016	Lead	13	Copper	260			FLINT	48507
LG07920	2/2/2016	Lead	13	Copper	110			FLINT	48505
LG07933	2/2/2016	Lead	13	Copper	0			FLINT	48504
LG08302	2/3/2016	Lead	13	Copper	430			FLINT	48503
LG08304	2/3/2016	Lead	13	Copper	80			FLINT	48505
LG08330	2/3/2016	Lead	13	Copper	90		)X 13347	FLINT	48505
LG08542	2/3/2016	Lead	13	Copper	280			FLINT	48532
LG09093	2/4/2016	Lead	13	Copper	60			FLINT	48503
LG09245	2/4/2016	Lead	13	Copper	160			FLINT	48507
LG09931	2/5/2016	Lead	13	Copper	130			FLINT	48503
LG09932	2/5/2016	Lead	13	Copper	0			FLINT	48505
LG10480	2/7/2016	Lead	13	Copper	100			FLINT	48506
LF87373	10/13/2015	Lead	14	Copper	230			FLINT	48507
LF99150	1/7/2016	Lead	14	Copper	540			FLINT	
LF99978	1/15/2016	Lead	14	Copper	0			FLINT	48507
LG00536	1/19/2016	Lead	14	Copper	110			FLINT	48507
LG01235	1/21/2016	Lead	14	Copper	110			FLINT	48504
LG01284	1/21/2016	Lead	14	Copper	0			FLINT	48503
LG02114	1/21/2016	Lead	14	Copper	0			FLINT	48504
LG02519	1/22/2016	Lead	14	Copper	140			FLINT	48506
LG02525	1/22/2016	Lead	14	Copper	100			FLINT	48503
LG02797	1/23/2016	Lead	14	Copper	0			FLINT	
LG02803	1/23/2016	Lead	14	Copper	140			FLINT	48505
LG03463	1/25/2016	Lead	14	Copper	130			FLINT	48507
LG03472	1/25/2016	Lead	14	Copper	180			FLINT	48504
LG04074	1/26/2016	Lead	14	Copper	120			FLINT	48532
LG04184	1/26/2016	Lead	14	Copper	220			FLINT	48503
LG04298	1/26/2016	Lead	14	Copper	160			FLINT	48503
LG04480	1/26/2016	Lead	14	Copper	180			FLINT	48507
LG04518	1/26/2016	Lead	14	Copper	60			FLINT	48504
LG05026	1/27/2016	Lead	14	Copper	510		#107	FLINT	48507
LG05181	1/27/2016	Lead	14	Copper	110			FLINT	48506
LG05245	1/27/2016	Lead	14	Copper	0			FLINT	48503
LG06195	1/29/2016	Lead	14	Copper	150			FLINT	48507
LG06385	1/30/2016	Lead	14	Copper	230			FLINT	48504
LG06535	1/31/2016	Lead	14	Copper	210			FLINT	48053
LG06666	1/31/2016	Lead	14	Copper	0			FLINT	48506
LG07097	2/1/2016	Lead	14	Copper	70			FLINT	48503
LG07553	2/2/2016	Lead	14	Copper	70			FLINT	48503
LG07800	2/2/2016	Lead	14	Copper	110			FLINT	48507
LG08262	2/3/2016	Lead	14	Copper	0			FLINT	48503
LG08666	2/3/2016	Lead	14	Copper	80			FLINT	48503
LG09124	2/4/2016	Lead	14	Copper	180			FLINT	48507
LG09151	2/4/2016	Lead	14	Copper	130			FLINT	48503
LG09207	2/4/2016	Lead	14	Copper	0		)	FLINT	48505
LG10542	2/7/2016	Lead	14	Copper	70			FLINT	
LF86488	10/6/2015	Lead	15	Copper	0			FLINT	48503
LF88287	10/20/2015	Lead	15	Copper	0			FLINT	48504
LF97976	12/29/2015	Lead	15	Copper	210			FLINT	48505
LG01275	1/21/2016	Lead	15	Copper	510			FLINT	48504
LG01707	1/21/2016	Lead	15	Copper	140			FLINT	48506
LG01719	1/21/2016	Lead	15	Copper	60			FLINT	48507
LG02841	1/23/2016	Lead	15	Copper	70			FLINT	48503
LG04049	1/26/2016	Lead	15	Copper	80		E	FLINT	48505
LG04120	1/26/2016	Lead	15	Copper	50			FLINT	48503
LG04139	1/26/2016	Lead	15	Copper	70			FLINT	
LG04515	1/26/2016	Lead	15	Copper	90			FLINT	48506
LG05740	1/28/2016	Lead	15	Copper	0			FLINT	48504
LG06006	1/29/2016	Lead	15	Copper	60			FLINT	48503
LG06472	1/31/2016	Lead	15	Copper	0			FLINT	48506
LG06494	1/31/2016	Lead	15	Copper	130			FLINT	48506
LG07015	2/1/2016	Lead	15	Copper	0			FLINT	48504
LG07554	2/2/2016	Lead	15	Copper	0			FLINT	48507
LG07590	2/2/2016	Lead	15	Copper	90			FLINT	48507
LG07679	2/2/2016	Lead	15	Copper	90			FLINT	48506
LG07783	2/2/2016	Lead	15	Copper	0			FLINT	48505
LG07924	2/2/2016	Lead	15	Copper	200			FLINT	48503
LG08277	2/3/2016	Lead	15	Copper	220			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG08416	2/3/2016	Lead	15	Copper	70			FLINT	48503
LG08441	2/3/2016	Lead	15	Copper	0			FLINT	48504
LG08469	2/3/2016	Lead	15	Copper	250			FLINT	48507
LG09116	2/4/2016	Lead	15	Copper	230			FLINT	48507
LG09351	2/4/2016	Lead	15	Copper	60			FLINT	
LG09860	2/5/2016	Lead	15	Copper	130			FLINT	48503
LG09863	2/5/2016	Lead	15	Copper	80			FLINT	48503
LG09913	2/5/2016	Lead	15	Copper	210			FLINT	48504
LG10239	2/6/2016	Lead	15	Copper	100			FLINT	48507
LF86496	10/6/2015	Lead	[redacted]	Copper	70			FLINT	48506
LF87940	10/16/2015	Lead	[redacted]	Copper	60		E	FLINT	48503
LF89526	10/30/2015	Lead	[redacted]	Copper	0			FLINT	48503
LF97972	12/29/2015	Lead	[redacted]	Copper	160			FLINT	48505
LF99192	1/7/2016	Lead	[redacted]	Copper	0		SE	FLINT	
LG00008	1/15/2016	Lead	[redacted]	Copper	190			FLINT	48505
LG00868	1/20/2016	Lead	[redacted]	Copper	90			FLINT	48507
LG01448	1/21/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG01487	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG01715	1/21/2016	Lead	[redacted]	Copper	240			FLINT	48507
LG02857	1/23/2016	Lead	[redacted]	Copper	100			FLINT	48507
LG04761	1/27/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG05045	1/27/2016	Lead	[redacted]	Copper	160			FLINT	48503
LG05475	1/28/2016	Lead	[redacted]	Copper	120			FLINT	48505
LG05589	1/28/2016	Lead	[redacted]	Copper	220			FLINT	48502
LG06087	1/29/2016	Lead	[redacted]	Copper	100			FLINT	48504
LG06278	1/30/2016	Lead	[redacted]	Copper	120			FLINT	48504
LG06306	1/30/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG08259	2/3/2016	Lead	[redacted]	Copper	210			FLINT	48503
LG08305	2/3/2016	Lead	[redacted]	Copper	90			FLINT	48506
LG09174	2/4/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG09232	2/4/2016	Lead	[redacted]	Copper	100			FLINT	
LG09759	2/5/2016	Lead	[redacted]	Copper	260			FLINT	48506
LG09821	2/5/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG10212	2/6/2016	Lead	[redacted]	Copper	420		E ST	FLINT	48507
LF87366	10/13/2015	Lead	[redacted]	Copper	[redacted]		AY #2	FLINT	48506
LF87396	10/13/2015	Lead	[redacted]	Copper	170			FLINT	48506
LF95908	12/10/2015	Lead	[redacted]	Copper	0			FLINT	48503
LF97938	12/29/2015	Lead	[redacted]	Copper	[redacted]		E	FLINT	48503
LG00487	1/19/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG01483	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG01964	1/21/2016	Lead	[redacted]	Copper	270			FLINT	48503
LG02119	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG02213	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG02595	1/22/2016	Lead	[redacted]	Copper	90			FLINT	48504
LG02858	1/23/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG03678	1/25/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG04121	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG04239	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG04347	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG05032	1/27/2016	Lead	[redacted]	Copper	480			FLINT	48503
LG06295	1/30/2016	Lead	[redacted]	Copper	200			FLINT	48507
LG06367	1/30/2016	Lead	[redacted]	Copper	0			FLINT	48532
LG06595	1/31/2016	Lead	[redacted]	Copper	280			FLINT	48532
LG06965	2/1/2016	Lead	[redacted]	Copper	90			FLINT	48506
LG07039	2/1/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG07518	2/2/2016	Lead	[redacted]	Copper	60			FLINT	48506
LG07739	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG09701	2/5/2016	Lead	[redacted]	Copper	70			FLINT	48507
LG10190	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG10264	2/6/2016	Lead	[redacted]	Copper	820			FLINT	48504
LG10512	2/7/2016	Lead	[redacted]	Copper	50			FLINT	48503
LF85935	10/2/2015	Lead	[redacted]	Copper	290			FLINT	48503
LF93575	11/24/2015	Lead	[redacted]	Copper	0			FLINT	
LG01016	1/20/2016	Lead	[redacted]	Copper	200			FLINT	48505
LG01595	1/21/2016	Lead	[redacted]	Copper	610			FLINT	48504
LG01659	1/21/2016	Lead	[redacted]	Copper	160			FLINT	48504
LG01740	1/21/2016	Lead	[redacted]	Copper	220			FLINT	48504
LG02093	1/21/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG02604	1/22/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG03113	1/24/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG03561	1/25/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG04087	1/26/2016	Lead	[redacted]	Copper	110		DR	FLINT	48503
LG04356	1/26/2016	Lead	[redacted]	Copper	0		VD	FLINT	48505
LG04395	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG05210	1/27/2016	Lead	[redacted]	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05519	1/28/2016	Lead	[redacted]	Copper	80			FLINT	
LG05970	1/29/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG06119	1/29/2016	Lead	[redacted]	Copper	120			FLINT	48503
LG06197	1/29/2016	Lead	[redacted]	Copper	60			FLINT	
LG07822	2/2/2016	Lead	[redacted]	Copper	60		DR	FLINT	48503
LG08315	2/3/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG08431	2/3/2016	Lead	[redacted]	Copper	60			FLINT	48507
LG08487	2/3/2016	Lead	[redacted]	Copper	[redacted]			FLINT	
LG08806	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG09127	2/4/2016	Lead	[redacted]	Copper	200			FLINT	48507
LG09137	2/4/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG09766	2/5/2016	Lead	[redacted]	Copper	50			FLINT	48503
LG10146	2/6/2016	Lead	[redacted]	Copper	60			FLINT	48505
LF85329	9/29/2015	Lead	[redacted]	Copper	1,220		CATHOLIC SCHOOL	FLINT	
LF87390	10/13/2015	Lead	[redacted]	Copper	70			FLINT	48506
LG00621	1/19/2016	Lead	[redacted]	Copper	150			FLINT	48506
LG01791	1/21/2016	Lead	[redacted]	Copper	80			FLINT	48503
LG02156	1/21/2016	Lead	[redacted]	Copper	90			FLINT	48505
LG02316	1/22/2016	Lead	[redacted]	Copper	80			FLINT	48507
LG02342	1/22/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG02501	1/22/2016	Lead	[redacted]	Copper	200			FLINT	48503
LG02718	1/23/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG02989	1/24/2016	Lead	[redacted]	Copper	190			FLINT	48503
LG03761	1/25/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG03767	1/25/2016	Lead	[redacted]	Copper	90			FLINT	48503
LG04371	1/26/2016	Lead	[redacted]	Copper	220			FLINT	48503
LG05021	1/27/2016	Lead	[redacted]	Copper	150			FLINT	48503
LG05147	1/27/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG05303	1/27/2016	Lead	[redacted]	Copper	180			FLINT	48505
LG06546	1/31/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG06644	1/31/2016	Lead	[redacted]	Copper	160			FLINT	
LG06659	1/31/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG07458	2/2/2016	Lead	[redacted]	Copper	190			FLINT	48502
LG07598	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG07694	2/2/2016	Lead	[redacted]	Copper	110			FLINT	48507
LG09393	2/4/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG10257	2/6/2016	Lead	[redacted]	Copper	150			FLINT	48504
LG10583	2/7/2016	Lead	[redacted]	Copper	110			FLINT	48506
LF84316	9/23/2015	Lead	[redacted]	Copper	130		DR	FLINT	48503
LF87416	10/13/2015	Lead	[redacted]	Copper	210			FLINT	
LG01409	1/21/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG02104	1/21/2016	Lead	[redacted]	Copper	110			FLINT	48506
LG02205	1/21/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG02736	1/23/2016	Lead	[redacted]	Copper	330			FLINT	48505
LG02950	1/23/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG04512	1/26/2016	Lead	[redacted]	Copper	180		APT #1	FLINT	48507
LG05972	1/29/2016	Lead	[redacted]	Copper	0			FLINT	
LG06412	1/30/2016	Lead	[redacted]	Copper	180			FLINT	48504
LG06498	1/31/2016	Lead	[redacted]	Copper	510			FLINT	48504
LG06822	2/1/2016	Lead	[redacted]	Copper	220			FLINT	48503
LG07018	2/1/2016	Lead	[redacted]	Copper	320			FLINT	48507
LG07871	2/2/2016	Lead	[redacted]	Copper	50			FLINT	
LG09202	2/4/2016	Lead	[redacted]	Copper	170			FLINT	48503
LG09363	2/4/2016	Lead	[redacted]	Copper	170			FLINT	48507
LG09959	2/5/2016	Lead	[redacted]	Copper	250			FLINT	
LF87399	10/13/2015	Lead	[redacted]	Copper	80			FLINT	48507
LF89523	10/30/2015	Lead	[redacted]	Copper	60			FLINT	48503
LG02137	1/21/2016	Lead	[redacted]	Copper	200			FLINT	
LG02547	1/22/2016	Lead	[redacted]	Copper	90			FLINT	48507
LG02972	1/23/2016	Lead	[redacted]	Copper	570			BURTON	48529
LG03752	1/25/2016	Lead	[redacted]	Copper	300			FLINT	48505
LG04130	1/26/2016	Lead	[redacted]	Copper	160			FLINT	48503
LG04364	1/26/2016	Lead	[redacted]	Copper	300			FLINT	48505
LG04571	1/26/2016	Lead	[redacted]	Copper	150			FLINT	48507
LG06329	1/30/2016	Lead	[redacted]	Copper	290			FLINT	48507
LG06596	1/31/2016	Lead	[redacted]	Copper	820			FLINT	48503
LG07562	2/2/2016	Lead	[redacted]	Copper	170			FLINT	48507
LG07930	2/2/2016	Lead	[redacted]	Copper	340			FLINT	48507
LG08708	2/3/2016	Lead	[redacted]	Copper	360			FLINT	48503
LG08737	2/3/2016	Lead	[redacted]	Copper	0		#8	FLINT	48502
LG09711	2/5/2016	Lead	[redacted]	Copper	260			FLINT	48506
LG09777	2/5/2016	Lead	[redacted]	Copper	210			FLINT	48504
LF93565	11/24/2015	Lead	[redacted]	Copper	50			FLINT	48507
LF97961	12/29/2015	Lead	[redacted]	Copper	160		DG 2	FLINT	48505
LF99996	1/15/2016	Lead	[redacted]	Copper	50			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01570	1/21/2016	Lead		Copper	140			FLINT	48503
LG01819	1/21/2016	Lead		Copper	840			FLINT	48506
LG01889	1/21/2016	Lead		Copper	250		ING	FLINT	48503
LG02380	1/22/2016	Lead		Copper	0			FLINT	48507
LG02743	1/23/2016	Lead		Copper	80		AVE	FLINT	48505
LG03630	1/25/2016	Lead		Copper	0			FLINT	48506
LG06344	1/30/2016	Lead		Copper	50			FLINT	48503
LG06440	1/30/2016	Lead		Copper	70			FLINT	48506
LG06787	2/1/2016	Lead		Copper	160			FLINT	48503
LG08767	2/3/2016	Lead		Copper	100			FLINT	48503
LF99986	1/15/2016	Lead		Copper	110		HREE)		
LG02302	1/22/2016	Lead		Copper	100			FLINT	48506
LG03769	1/25/2016	Lead		Copper	0			FLINT	48505
LG03773	1/25/2016	Lead		Copper	0			FLINT	48503
LG06971	2/1/2016	Lead		Copper	380			FLINT	48504
LG07544	2/2/2016	Lead		Copper	0			FLINT	48505
LG08457	2/3/2016	Lead		Copper	400			FLINT	
LG09869	2/5/2016	Lead		Copper	290			FLINT	48503
LG10516	2/7/2016	Lead		Copper	0			FLINT	48507
LF99207	1/7/2016	Lead		Copper	420		E	FLINT	
LG00913	1/20/2016	Lead		Copper	70			FLINT	48504
LG01267	1/21/2016	Lead		Copper	110			FLINT	48505
LG01921	1/21/2016	Lead		Copper	0			FLINT	48507
LG02127	1/21/2016	Lead		Copper	0			FLINT	48505
LG02181	1/21/2016	Lead		Copper	160			FLINT	48503
LG04805	1/27/2016	Lead		Copper	880		APT 08	FLINT	48507
LG06186	1/29/2016	Lead		Copper	60			FLINT	48505
LG06308	1/30/2016	Lead		Copper	100			FLINT	48506
LG06458	1/30/2016	Lead		Copper	0			FLINT	48504
LG06911	2/1/2016	Lead		Copper	90		E APT A	FLINT	
LG08328	2/3/2016	Lead		Copper	180			FLINT	48507
LG09074	2/4/2016	Lead		Copper	270			FLINT	48505
LG09143	2/4/2016	Lead		Copper	70				
LG09290	2/4/2016	Lead		Copper	0			FLINT	48503
LG10256	2/6/2016	Lead		Copper	190	(		FLINT	48504
LF99190	1/7/2016	Lead		Copper	0		E	FLINT	
LG01379	1/21/2016	Lead		Copper	0			FLINT	48504
LG02594	1/22/2016	Lead		Copper	140			FLINT	48503
LG04328	1/26/2016	Lead		Copper	80			FLINT	48503
LG05462	1/28/2016	Lead		Copper	160			FLINT	48506
LG05679	1/28/2016	Lead		Copper	0			FLINT	48505
LG06096	1/29/2016	Lead		Copper	90			FLINT	48504
LG06129	1/29/2016	Lead		Copper	120			FLINT	48506
LG06164	1/29/2016	Lead		Copper	100			FLINT	
LG06299	1/30/2016	Lead		Copper	90			FLINT	48503
LG08550	2/3/2016	Lead		Copper	0			FLINT	
LG09876	2/5/2016	Lead		Copper	0			FLINT	48503
LG09929	2/5/2016	Lead		Copper	70			FLINT	48504
LG09987	2/5/2016	Lead		Copper	0			FLINT	48504
LF88307	10/20/2015	Lead		Copper	60			FLINT	48532
LG02125	1/21/2016	Lead		Copper	940			FLINT	48504
LG02707	1/23/2016	Lead		Copper	0			FLINT	
LG02905	1/23/2016	Lead		Copper	160			FLINT	48503
LG04106	1/26/2016	Lead		Copper	0			FLINT	48504
LG06102	1/29/2016	Lead		Copper	220			FLINT	48503
LG06300	1/30/2016	Lead		Copper	0			FLINT	48506
LG06352	1/30/2016	Lead		Copper	100			FLINT	48507
LG06500	1/31/2016	Lead		Copper	80			FLINT	48504
LG06867	2/1/2016	Lead		Copper	70			FLINT	48507
LG06950	2/1/2016	Lead		Copper	110			FLINT	48503
LG07586	2/2/2016	Lead		Copper	0			FLINT	48506
LG08727	2/3/2016	Lead		Copper	0			FLINT	48506
LG09492	2/4/2016	Lead		Copper	0			FLINT	48506
LG10569	2/7/2016	Lead		Copper	0			FLINT	48507
LF87403	10/13/2015	Lead		Copper	80			FLINT	48505
LF90464	11/4/2015	Lead		Copper	50			FLINT	
LF99965	1/15/2016	Lead		Copper	340			FLINT	48505
LG02676	1/23/2016	Lead		Copper	100			FLINT	48503
LG03686	1/25/2016	Lead		Copper	170			FLINT	48503
LG04785	1/27/2016	Lead		Copper	0			FLINT	48503
LG05695	1/28/2016	Lead		Copper	100			FLINT	48507
LG06504	1/31/2016	Lead		Copper	0			FLINT	48505
LG07629	2/2/2016	Lead		Copper	150			FLINT	48503
LG07872	2/2/2016	Lead		Copper	140			FLINT	48504
LG07923	2/2/2016	Lead		Copper	0			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09386	2/4/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG09829	2/5/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG10219	2/6/2016	Lead	[redacted]	Copper	70			FLINT	48503
LF81253	9/3/2015	Lead	[redacted]	Copper	0			FLINT	48503
LF93560	11/24/2015	Lead	[redacted]	Copper	80			FLINT	48507
LG01613	1/21/2016	Lead	[redacted]	Copper	90			FLINT	48503
LG02816	1/23/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG03687	1/25/2016	Lead	[redacted]	Copper	200		X 4303	FLINT	48504
LG03799	1/25/2016	Lead	[redacted]	Copper	60			FLINT	48504
LG04194	1/26/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48507
LG04505	1/26/2016	Lead	[redacted]	Copper	180			FLINT	48503
LG05452	1/28/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG06792	2/1/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG07056	2/1/2016	Lead	[redacted]	Copper	100			FLINT	48507
LG07810	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG08289	2/3/2016	Lead	[redacted]	Copper	150			FLINT	48503
LG09068	2/4/2016	Lead	[redacted]	Copper	110			FLINT	48503
LG09707	2/5/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG09871	2/5/2016	Lead	[redacted]	Copper	310			FLINT	48503
LG10114	2/6/2016	Lead	[redacted]	Copper	230			FLINT	48504
LG10147	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48504
LF97935	12/29/2015	Lead	[redacted]	Copper	[redacted]		E E	FLINT	48503
LG00993	1/20/2016	Lead	[redacted]	Copper	400			FLINT	48506
LG02865	1/23/2016	Lead	[redacted]	Copper	220			FLINT	48504
LG07001	2/1/2016	Lead	[redacted]	Copper	100			FLINT	48507
LG07625	2/2/2016	Lead	[redacted]	Copper	670			FLINT	48503
LG09878	2/5/2016	Lead	[redacted]	Copper	0			FLINT	48505
LF85948	10/2/2015	Lead	[redacted]	Copper	0			FLINT	48503
LF94260	12/2/2015	Lead	[redacted]	Copper	120			FLINT	48503
LG01462	1/21/2016	Lead	[redacted]	Copper	190			FLINT	48506
LG01567	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG02202	1/21/2016	Lead	[redacted]	Copper	100			FLINT	
LG05669	1/28/2016	Lead	[redacted]	Copper	280			FLINT	48507
LG07685	2/2/2016	Lead	[redacted]	Copper	210			FLINT	48503
LG09138	2/4/2016	Lead	[redacted]	Copper	190	[redacted]		FLINT	48532
LG09926	2/5/2016	Lead	[redacted]	Copper	310			FLINT	48506
LG10123	2/6/2016	Lead	[redacted]	Copper	250			FLINT	48504
LG02346	1/22/2016	Lead	[redacted]	Copper	210			FLINT	48503
LG03497	1/25/2016	Lead	[redacted]	Copper	90			FLINT	48507
LG06944	2/1/2016	Lead	[redacted]	Copper	120			FLINT	48504
LG08772	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG09428	2/4/2016	Lead	[redacted]	Copper	240			FLINT	48504
LG09985	2/5/2016	Lead	[redacted]	Copper	610			FLINT	48507
LF99155	1/7/2016	Lead	[redacted]	Copper	290			FLINT	
LG01234	1/21/2016	Lead	[redacted]	Copper	160			FLINT	48503
LG02209	1/21/2016	Lead	[redacted]	Copper	1,150		WAY	FLINT	48503
LG02879	1/23/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48507
LG04492	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG05738	1/28/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG06192	1/29/2016	Lead	[redacted]	Copper	230			FLINT	48532
LG06363	1/30/2016	Lead	[redacted]	Copper	180			FLINT	48504
LG07011	2/1/2016	Lead	[redacted]	Copper	80			FLINT	
LG08339	2/3/2016	Lead	[redacted]	Copper	90			FLINT	48504
LG08807	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG10131	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48505
LF91279	11/9/2015	Lead	[redacted]	Copper	70			FLINT	48505
LF99930	1/15/2016	Lead	[redacted]	Copper	110			FLINT	48504
LG02113	1/21/2016	Lead	[redacted]	Copper	90			FLINT	
LG04853	1/27/2016	Lead	[redacted]	Copper	230			FLINT	
LG07418	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG07419	2/2/2016	Lead	[redacted]	Copper	340		E	FLINT	48503
LG07834	2/2/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG09129	2/4/2016	Lead	[redacted]	Copper	130			FLINT	48507
LG10599	2/7/2016	Lead	[redacted]	Copper	130			FLINT	
LG00465	1/19/2016	Lead	[redacted]	Copper	1,080			FLINT	48502
LG01742	1/21/2016	Lead	[redacted]	Copper	60			FLINT	
LG04567	1/26/2016	Lead	[redacted]	Copper	50			FLINT	48506
LG04930	1/27/2016	Lead	[redacted]	Copper	160			FLINT	48503
LG05608	1/28/2016	Lead	[redacted]	Copper	210			FLINT	48503
LG05988	1/29/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG06753	2/1/2016	Lead	[redacted]	Copper	0			FLINT	
LG06839	2/1/2016	Lead	[redacted]	Copper	110			FLINT	48504
LF86513	10/6/2015	Lead	[redacted]	Copper	[redacted]		G E	FLINT	48505
LF99188	1/7/2016	Lead	[redacted]	Copper	70		E	FLINT	
LF99200	1/7/2016	Lead	[redacted]	Copper	[redacted]		E	FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01310	1/21/2016	Lead	[redacted]	Copper	300	[redacted]	[redacted]	FLINT	48504
LG01499	1/21/2016	Lead	[redacted]	Copper	630	[redacted]	[redacted]	FLINT	
LG02062	1/21/2016	Lead	[redacted]	Copper	530	[redacted]	[redacted]	FLINT	48503
LG03029	1/24/2016	Lead	[redacted]	Copper	170	[redacted]	[redacted]	FLINT	48503
LG05483	1/28/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48503
LG06301	1/30/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48506
LG06617	1/31/2016	Lead	[redacted]	Copper	330	[redacted]	[redacted]	FLINT	48503
LG08496	2/3/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48503
LG09918	2/5/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48504
LF88954	10/26/2015	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48503
LF92733	11/18/2015	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48507
LG01589	1/21/2016	Lead	[redacted]	Copper	420	[redacted]	[redacted]	FLINT	48504
LG04756	1/27/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48503
LG05230	1/27/2016	Lead	[redacted]	Copper	140	[redacted]	[redacted] 'E	FLINT	48506
LG05637	1/28/2016	Lead	[redacted]	Copper	190	[redacted]	[redacted]	FLINT	48503
LG06357	1/30/2016	Lead	[redacted]	Copper	200	[redacted]	[redacted]	FLINT	48503
LG08532	2/3/2016	Lead	[redacted]	Copper	180	[redacted]	[redacted]	FLINT	48503
LG10258	2/6/2016	Lead	[redacted]	Copper	280	[redacted]	[redacted]	FLINT	48503
LG00542	1/19/2016	Lead	[redacted]	Copper	60	[redacted]	[redacted]	FLINT	48504
LG05770	1/28/2016	Lead	[redacted]	Copper	50	[redacted]	[redacted]	FLINT	48503
LG06823	2/1/2016	Lead	[redacted]	Copper	770	[redacted]	[redacted] T	FLINT	48507
LG05098	1/27/2016	Lead	[redacted]	Copper	110	[redacted]	[redacted]	FLINT	48505
LG06748	2/1/2016	Lead	[redacted]	Copper	70	[redacted]	[redacted]	FLINT	48506
LG07648	2/2/2016	Lead	[redacted]	Copper	[redacted]	[redacted]	[redacted]	FLINT	48503
LG09397	2/4/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48503
LG04827	1/27/2016	Lead	[redacted]	Copper	110	[redacted]	[redacted]	FLINT	48506
LG04858	1/27/2016	Lead	[redacted]	Copper	[redacted]	[redacted]	[redacted]	FLINT	48503
LF97351	12/18/2015	Lead	[redacted]	Copper	120	[redacted]	[redacted]	FLINT	48506
LG02382	1/22/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48504
LG05134	1/27/2016	Lead	[redacted]	Copper	1,080	[redacted]	[redacted]	FLINT	48507
LG06436	1/30/2016	Lead	[redacted]	Copper	320	[redacted]	[redacted]	FLINT	48503
LG06993	2/1/2016	Lead	[redacted]	Copper	610	[redacted]	[redacted]	FLINT	48503
LG09381	2/4/2016	Lead	[redacted]	Copper	150	[redacted]	[redacted]	FLINT	48503
LF85860	10/1/2015	Lead	[redacted]	Copper	1,040	[redacted]	[redacted]	FLINT	48504
LF97350	12/18/2015	Lead	[redacted]	Copper	150	[redacted]	[redacted]	FLINT	48506
LF99205	1/7/2016	Lead	[redacted]	Copper	650	[redacted]	[redacted] SE	FLINT	
LG02012	1/21/2016	Lead	[redacted]	Copper	250	[redacted]	[redacted]	FLINT	48503
LG02413	1/22/2016	Lead	[redacted]	Copper	570	[redacted]	[redacted]	FLINT	48507
LG04056	1/26/2016	Lead	[redacted]	Copper	90	[redacted]	[redacted]	FLINT	48503
LG04146	1/26/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48504
LG04306	1/26/2016	Lead	[redacted]	Copper	110	[redacted]	[redacted]	FLINT	48505
LG05047	1/27/2016	Lead	[redacted]	Copper	170	[redacted]	[redacted]	FLINT	48506
LG06550	1/31/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48503
LG06923	2/1/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted] Y	FLINT	48503
LG07096	2/1/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48503
LF93552	11/24/2015	Lead	[redacted]	Copper	50	[redacted]	[redacted]	FLINT	48507
LF97924	12/29/2015	Lead	[redacted]	Copper	100	[redacted]	[redacted] SE	FLINT	48503
LG01968	1/21/2016	Lead	[redacted]	Copper	210	3	[redacted]	FLINT	48503
LG04774	1/27/2016	Lead	[redacted]	Copper	250	[redacted]	[redacted]	FLINT	48503
LG03022	1/24/2016	Lead	[redacted]	Copper	80	[redacted]	[redacted]	FLINT	48505
LG07781	2/2/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48506
LG02216	1/21/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48504
LG02740	1/23/2016	Lead	[redacted]	Copper	110	[redacted]	[redacted]	FLINT	48506
LG04599	1/26/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48503
LG07949	2/2/2016	Lead	[redacted]	Copper	190	[redacted]	[redacted]	FLINT	48503
LG08607	2/3/2016	Lead	[redacted]	Copper	100	[redacted]	[redacted] APT 2	FLINT	48507
LG08646	2/3/2016	Lead	[redacted]	Copper	550	[redacted]	[redacted]	FLINT	48507
LG05019	1/27/2016	Lead	[redacted]	Copper	100	[redacted]	[redacted]	FLINT	
LG05995	1/29/2016	Lead	[redacted]	Copper	80	[redacted]	[redacted]	FLINT	48504
LG06776	2/1/2016	Lead	[redacted]	Copper	70	[redacted]	[redacted] E	FLINT	48503
LG08729	2/3/2016	Lead	[redacted]	Copper	[redacted]	[redacted]	[redacted]	FLINT	48502
LF97979	12/29/2015	Lead	[redacted]	Copper	730	[redacted]	[redacted]	FLINT	
LG02534	1/22/2016	Lead	[redacted]	Copper	260	[redacted]	[redacted]	FLINT	48507
LG04176	1/26/2016	Lead	[redacted]	Copper	210	[redacted]	[redacted] REET	FLINT	48507
LG04292	1/26/2016	Lead	[redacted]	Copper	980	[redacted]	[redacted]	FLINT	48503
LG04835	1/27/2016	Lead	[redacted]	Copper	60	[redacted]	[redacted]	FLINT	48506
LG05179	1/27/2016	Lead	[redacted]	Copper	660	[redacted]	[redacted]	FLINT	48503
LG05529	1/28/2016	Lead	[redacted]	Copper	410	[redacted]	[redacted]	FLINT	48503
LG07843	2/2/2016	Lead	[redacted]	Copper	90	[redacted]	[redacted]	FLINT	48507
LG09341	2/4/2016	Lead	[redacted]	Copper	190	[redacted]	[redacted]	FLINT	48505
LG09400	2/4/2016	Lead	[redacted]	Copper	550	[redacted]	[redacted]	FLINT	48506
LG02913	1/23/2016	Lead	[redacted]	Copper	190	[redacted]	[redacted]	FLINT	48507
LG03495	1/25/2016	Lead	[redacted]	Copper	380	[redacted]	[redacted]	FLINT	48507
LG08634	2/3/2016	Lead	[redacted]	Copper	0	[redacted]	[redacted]	FLINT	48504
LF99181	1/7/2016	Lead	[redacted]	Copper	60	[redacted]	[redacted] SE	FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG00897	1/20/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG00944	1/20/2016	Lead	[redacted]	Copper	190			FLINT	48504
LG08274	2/3/2016	Lead	[redacted]	Copper	80			FLINT	48505
LG08497	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48504
LF91272	11/9/2015	Lead	[redacted]	Copper	100			FLINT	48506
LG04983	1/27/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG08282	2/3/2016	Lead	[redacted]	Copper	260			FLINT	48506
LG04165	1/26/2016	Lead	[redacted]	Copper	120			FLINT	48506
LG04156	1/26/2016	Lead	[redacted]	Copper	120			FLINT	48503
LF86505	10/6/2015	Lead	[redacted]	Copper	70			FLINT	48503
LG03031	1/24/2016	Lead	[redacted]	Copper	480			FLINT	48532
LG05730	1/28/2016	Lead	[redacted]	Copper	430			FLINT	48507
LG07020	2/1/2016	Lead	[redacted]	Copper	140			FLINT	
LG08725	2/3/2016	Lead	[redacted]	Copper	400			FLINT	48506
LG02939	1/23/2016	Lead	[redacted]	Copper	390			FLINT	48503
LG04511	1/26/2016	Lead	[redacted]	Copper	90			FLINT	48502
LF93584	11/24/2015	Lead	[redacted]	Copper	60			FLINT	48504
LG00933	1/20/2016	Lead	[redacted]	Copper	130			FLINT	48503
LG09211	2/4/2016	Lead	[redacted]	Copper	180			FLINT	48505
LG00477	1/19/2016	Lead	[redacted]	Copper	0				
LG00488	1/19/2016	Lead	[redacted]	Copper	210			FLINT	48507
LG01224	1/21/2016	Lead	[redacted]	Copper	160			FLINT	48504
LG06884	2/1/2016	Lead	[redacted]	Copper	290			FLINT	48503
LG08590	2/3/2016	Lead	[redacted]	Copper	100			FLINT	48507
LG09649	2/5/2016	Lead	[redacted]	Copper	160			FLINT	48504
LF99925	1/15/2016	Lead	[redacted]	Copper	350				
LG05088	1/27/2016	Lead	[redacted]	Copper	270			FLINT	48505
LG08697	2/3/2016	Lead	[redacted]	Copper	310			FLINT	48507
LG06733	2/1/2016	Lead	[redacted]	Copper	260				
LG03494	1/25/2016	Lead	[redacted]	Copper	[redacted]			BURTON	
LG06143	1/29/2016	Lead	[redacted]	Copper	290			FLINT	48503
LG03806	1/25/2016	Lead	[redacted]	Copper	210			FLINT	48503
LG10227	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG01866	1/21/2016	Lead	[redacted]	Copper	[redacted]		2	FLINT	48505
LG05753	1/28/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG08685	2/3/2016	Lead	[redacted]	Copper	710			FLINT	48503
LG00927	1/20/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG04353	1/26/2016	Lead	[redacted]	Copper	80			FLINT	48506
LG04375	1/26/2016	Lead	[redacted]	Copper	300			FLINT	48504
LG08256	2/3/2016	Lead	[redacted]	Copper	460			FLINT	48503
LG09719	2/5/2016	Lead	[redacted]	Copper	180			FLINT	48503
LG00957	1/20/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG07841	2/2/2016	Lead	[redacted]	Copper	90			FLINT	48504
LG07980	2/2/2016	Lead	[redacted]	Copper	210			FLINT	48506
LG01682	1/21/2016	Lead	[redacted]	Copper	[redacted]		OR	FLINT	48503
LG07730	2/2/2016	Lead	[redacted]	Copper	200			FLINT	48503
LG01413	1/21/2016	Lead	[redacted]	Copper	250			FLINT	48507
LG03546	1/25/2016	Lead	[redacted]	Copper	650			FLINT	48504
LG02923	1/23/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG04374	1/26/2016	Lead	[redacted]	Copper	360			FLINT	48504
LG06752	2/1/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG06988	2/1/2016	Lead	[redacted]	Copper	670			FLINT	48505
LG06451	1/30/2016	Lead	[redacted]	Copper	1,170			FLINT	48532
LG01599	1/21/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG01768	1/21/2016	Lead	[redacted]	Copper	150			FLINT	48507
LF87040	10/8/2015	Lead	[redacted]	Copper	90			FLINT	48507
LG04809	1/27/2016	Lead	[redacted]	Copper	190			FLINT	48503
LG08551	2/3/2016	Lead	[redacted]	Copper	60			FLINT	48503
LF85611	9/30/2015	Lead	[redacted]	Copper	570			FLINT	48503
LG03698	1/25/2016	Lead	[redacted]	Copper	170			FLINT	48507
LG09787	2/5/2016	Lead	[redacted]	Copper	70			FLINT	48506
LG06135	1/29/2016	Lead	[redacted]	Copper	650			FLINT	48506
LG08619	2/3/2016	Lead	[redacted]	Copper	110			FLINT	48504
LG09424	2/4/2016	Lead	[redacted]	Copper	290			FLINT	48504
LG04846	1/27/2016	Lead	[redacted]	Copper	610			FLINT	
LG08574	2/3/2016	Lead	[redacted]	Copper	70			FLINT	48503
LF87426	10/13/2015	Lead	[redacted]	Copper	270			FLINT	
LG01349	1/21/2016	Lead	[redacted]	Copper	120			FLINT	48503
LG02641	1/22/2016	Lead	[redacted]	Copper	670			FLINT	48505
LG01351	1/21/2016	Lead	[redacted]	Copper	50		E	FLINT	48502
LG06130	1/29/2016	Lead	[redacted]	Copper	380			FLINT	48504
LG02367	1/22/2016	Lead	[redacted]	Copper	860			FLINT	48503
LG07479	2/2/2016	Lead	[redacted]	Copper	160			FLINT	48503
LG09998	2/5/2016	Lead	[redacted]	Copper	380			FLINT	48505
LG02414	1/22/2016	Lead	[redacted]	Copper	170			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG01322	1/21/2016	Lead	[redacted]	Copper	300			FLINT	48507
LG08538	2/3/2016	Lead	[redacted]	Copper	0			FLINT	48504
LF88300	10/20/2015	Lead	[redacted]	Copper	90		E	FLINT	48503
LG03140	1/24/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48507
LG06353	1/30/2016	Lead	[redacted]	Copper	150			FLINT	48507
LG06532	1/31/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG04554	1/26/2016	Lead	[redacted]	Copper	80			FLINT	48503
LG09654	2/5/2016	Lead	[redacted]	Copper	500			FLINT	48506
LG10018	2/5/2016	Lead	[redacted]	Copper	160			FLINT	48507
LG00475	1/19/2016	Lead	[redacted]	Copper	70			MT MORRIS TWP	48458
LG04834	1/27/2016	Lead	[redacted]	Copper	150		MI	FLINT	48506
LG10155	2/6/2016	Lead	[redacted]	Copper	420			BURTON	48529
LG05921	1/29/2016	Lead	[redacted]	Copper	690			FLINT	48503
LG06100	1/29/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG00918	1/20/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG02460	1/22/2016	Lead	[redacted]	Copper	500			FLINT	
LG01760	1/21/2016	Lead	[redacted]	Copper	620			FLINT	48503
LG01181	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG05149	1/27/2016	Lead	[redacted]	Copper	220			FLINT	48504
LG08385	2/3/2016	Lead	[redacted]	Copper	910			FLINT	48504
LG02848	1/23/2016	Lead	[redacted]	Copper	430			FLINT	48504
LG10055	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG06548	1/31/2016	Lead	[redacted]	Copper	[redacted]		AVE	FLINT	48503
LF89522	10/30/2015	Lead	[redacted]	Copper	130			FLINT	48503
LG02183	1/21/2016	Lead	[redacted]	Copper	370			FLINT	48505
LG06665	1/31/2016	Lead	[redacted]	Copper	660			FLINT	
LG09950	2/5/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG05268	1/27/2016	Lead	[redacted]	Copper	230			FLINT	48503
LF88960	10/26/2015	Lead	[redacted]	Copper	550		E	FLINT	48503
LG05945	1/29/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG05124	1/27/2016	Lead	[redacted]	Copper	160		E ST	FLINT	48503
LG04986	1/27/2016	Lead	[redacted]	Copper	[redacted]		OFC	FLINT	48507
LG03139	1/24/2016	Lead	[redacted]	Copper	[redacted]		WAY	FLINT	48503
LG02028	1/21/2016	Lead	[redacted]	Copper	120			FLINT	48507
LG00556	1/19/2016	Lead	[redacted]	Copper	440				
LG04267	1/26/2016	Lead	[redacted]	Copper	220			BURTON	48505
LG03087	1/24/2016	Lead	[redacted]	Copper	230			FLINT	48507
LF86493	10/6/2015	Lead	[redacted]	Copper	140			FLINT	48507
LG02670	1/23/2016	Lead	[redacted]	Copper	280			FLINT	48504
LG04162	1/26/2016	Lead	[redacted]	Copper	130			FLINT	
LF99922	1/15/2016	Lead	[redacted]	Copper	270		E		
LF99185	1/7/2016	Lead	[redacted]	Copper	[redacted]		E	FLINT	
LG05046	1/27/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48504
LG09415	2/4/2016	Lead	[redacted]	Copper	310			FLINT	
LG03485	1/25/2016	Lead	[redacted]	Copper	270			FLINT	48504
LG05263	1/27/2016	Lead	[redacted]	Copper	70			FLINT	48304
LG09387	2/4/2016	Lead	[redacted]	Copper	210			FLINT	48504
LG02778	1/23/2016	Lead	[redacted]	Copper	1,270			FLINT	48504
LG06450	1/30/2016	Lead	[redacted]	Copper	270			FLINT	48506
LG07032	2/1/2016	Lead	[redacted]	Copper	580			FLINT	48504
LG01989	1/21/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48505
LG09656	2/5/2016	Lead	[redacted]	Copper	380			FLINT	48504
LG10470	2/7/2016	Lead	[redacted]	Copper	0		15	FLINT	48503
LG06448	1/30/2016	Lead	[redacted]	Copper	660			FLINT	48504
LF97954	12/29/2015	Lead	[redacted]	Copper	230			FLINT	48505
LG02802	1/23/2016	Lead	[redacted]	Copper	920			FLINT	48507
LG06155	1/29/2016	Lead	[redacted]	Copper	1,190			FLINT	48507
LG00519	1/19/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG09909	2/5/2016	Lead	[redacted]	Copper	280			FLINT	
LF86507	10/6/2015	Lead	[redacted]	Copper	180			FLINT	48503
LG05545	1/28/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LF99961	1/15/2016	Lead	[redacted]	Copper	250				48503
LG08691	2/3/2016	Lead	[redacted]	Copper	540			FLINT	48504
LG09827	2/5/2016	Lead	[redacted]	Copper	920			FLINT	48505
LG04054	1/26/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG02683	1/23/2016	Lead	[redacted]	Copper	540			FLINT	48506
LG06449	1/30/2016	Lead	[redacted]	Copper	760			FLINT	48505
LG06292	1/30/2016	Lead	[redacted]	Copper	120			FLINT	48507
LG00992	1/20/2016	Lead	[redacted]	Copper	180			FLINT	48507
LG05975	1/29/2016	Lead	[redacted]	Copper	500			FLINT	48504
LG05044	1/27/2016	Lead	[redacted]	Copper	70			FLINT	48504
LF84897	9/25/2015	Lead	[redacted]	Copper	190			FLINT	48503
LG08730	2/3/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05595	1/28/2016	Lead	[redacted]	Copper	840			FLINT	48503
LG02154	1/21/2016	Lead	[redacted]	Copper	350			FLINT	48503
LG03697	1/25/2016	Lead	[redacted]	Copper	1,150			FLINT	
LG06437	1/30/2016	Lead	[redacted]	Copper	80			FLINT	48506
LG10196	2/6/2016	Lead	[redacted]	Copper	660			FLINT	48505
LG07621	2/2/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48304
LG09179	2/4/2016	Lead	[redacted]	Copper	350			FLINT	48532
LG03043	1/24/2016	Lead	[redacted]	Copper	180			FLINT	48507
LG06452	1/30/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG04231	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG05928	1/29/2016	Lead	[redacted]	Copper	880			FLINT	
LG07709	2/2/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48504
LG04059	1/26/2016	Lead	[redacted]	Copper	160			FLINT	48506
LG09902	2/5/2016	Lead	[redacted]	Copper	590			FLINT	48507
LG07620	2/2/2016	Lead	[redacted]	Copper	590			FLINT	48506
LG03116	1/24/2016	Lead	[redacted]	Copper	640			FLINT	48507
LF99183	1/7/2016	Lead	[redacted]	Copper	[redacted]		iE	FLINT	
LG02444	1/22/2016	Lead	[redacted]	Copper	250			FLINT	48503
LG07618	2/2/2016	Lead	[redacted]	Copper	540			FLINT	48507
LG06778	2/1/2016	Lead	[redacted]	Copper	240				48503
LG06517	1/31/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG01973	1/21/2016	Lead	[redacted]	Copper	880			FLINT	48504
LG08402	2/3/2016	Lead	[redacted]	Copper	650			FLINT	48503
LG03757	1/25/2016	Lead	[redacted]	Copper	60			FLINT	48503
LG03662	1/25/2016	Lead	[redacted]	Copper	1,190			FLINT	48532
LG06379	1/30/2016	Lead	[redacted]	Copper	780			FLINT	48504
LG09687	2/5/2016	Lead	[redacted]	Copper	150			FLINT	48507
LF97945	12/29/2015	Lead	[redacted]	Copper	560		E	FLINT	
LG01371	1/21/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48504
LG01574	1/21/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG02507	1/22/2016	Lead	[redacted]	Copper	450			FLINT	48532
LG06432	1/30/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48504

NOTES:

ppb = parts per billion

Lead values exceeding 15 ppb and Copper results exceeding 1,300 ppb are highlighted in red.

Sample results of "Not Detected" have been replaced with a numerical value of zero for ease of sorting.

Samples without a zip code did not have one provided on the accompanying paperwork.

*** = Invalid Zip Code

Flint Residential Testing Report -results collected through February 7, 2016

Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07760	2/2/2016	Lead	7	Copper	0			FLINT	48506
LG02976	1/24/2016	Lead	5	Copper	0			FLINT	48505
LG06298	1/30/2016	Lead	1	Copper	0			FLINT	48505
LG05008	1/27/2016	Lead	2	Copper	0			FLINT	48505
LG05252	1/27/2016	Lead	5	Copper	0			FLINT	48505
LG02548	1/22/2016	Lead	0	Copper	90			FLINT	48505
LG03070	1/24/2016	Lead	3	Copper	90			FLINT	48505
LG02803	1/23/2016	Lead	14	Copper	140			FLINT	48505
LG04604	1/26/2016	Lead	1	Copper	60			FLINT	48505
LG04221	1/26/2016	Lead	10	Copper	0			FLINT	48505
LG05006	1/27/2016	Lead	4	Copper	110		E	FLINT	48505
LG02094	1/21/2016	Lead	0	Copper	60			FLINT	48505
LG08329	2/3/2016	Lead	8	Copper	0			FLINT	48505
LF99982	1/15/2016	Lead	0	Copper	140			FLINT	48505
LG08330	2/3/2016	Lead	13	Copper	90			FLINT	48505
LG01857	1/21/2016	Lead	3	Copper	0			FLINT	48505
LG01866	1/21/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48505
LG10541	2/7/2016	Lead	2	Copper	70			FLINT	48505
LG09478	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG00532	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00974	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG07013	2/1/2016	Lead	1	Copper	100			FLINT	48506
LG04376	1/26/2016	Lead	0	Copper	0		UTH	FLINT	48532
LG02231	1/21/2016	Lead	0	Copper	0			FLINT	48503
LF91283	11/9/2015	Lead	0	Copper	0			FLINT	48503
LG04062	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG07702	2/2/2016	Lead	1	Copper	110			FLINT	48505
LG02784	1/23/2016	Lead	0	Copper	110			FLINT	48506
LG05673	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG02541	1/22/2016	Lead	0	Copper	70			FLINT	48506-2680
LG01517	1/21/2016	Lead	0	Copper	160			FLINT	48506
LG07081	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG01557	1/21/2016	Lead	0	Copper	0			FLINT	48506
LF91291	11/9/2015	Lead	0	Copper	0			FLINT	48506
LG05615	1/28/2016	Lead	0	Copper	0			FLINT	48506
LF99140	1/7/2016	Lead	0	Copper	0			FLINT	
LG08380	2/3/2016	Lead	0	Copper	0			FLINT	48506
LF99946	1/15/2016	Lead	0	Copper	0				
LG02390	1/22/2016	Lead	4	Copper	100		REET	FLINT	48505
LG06806	2/1/2016	Lead	0	Copper	60		/E	FLINT	48507
LF94281	12/2/2015	Lead	1	Copper	120		/E	FLINT	48507
LG09198	2/4/2016	Lead	4	Copper	0		/E	FLINT	48507
LG06789	2/1/2016	Lead	3	Copper	130		/E	FLINT	48507
LG06828	2/1/2016	Lead	2	Copper	60			FLINT	48504
LG02344	1/22/2016	Lead	0	Copper	110			FLINT	48503
LG09271	2/4/2016	Lead	0	Copper	100			FLINT	48503
LG00846	1/20/2016	Lead	0	Copper	0			FLINT	48503
LF94260	12/2/2015	Lead	[redacted]	Copper	120			FLINT	48503
LG03753	1/25/2016	Lead	0	Copper	110			FLINT	48503
LG02467	1/22/2016	Lead	0	Copper	240		ICE	FLINT	48503
LF94303	12/2/2015	Lead	0	Copper	90		ICE	FLINT	48503
LG07555	2/2/2016	Lead	2	Copper	0			FLINT	48504
LG05449	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG08397	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG04843	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG02145	1/21/2016	Lead	0	Copper	140			FLINT	48506
LG10093	2/6/2016	Lead	10	Copper	70			FLINT	48506
LG06626	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG00540	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG02697	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG10608	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG05677	1/28/2016	Lead	0	Copper	100			FLINT	48506
LG09316	2/4/2016	Lead	0	Copper	80			FLINT	48506
LG09362	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG01653	1/21/2016	Lead	0	Copper	90			FLINT	48506
LG02956	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG01822	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG09929	2/5/2016	Lead	[redacted]	Copper	70			FLINT	48504
LG08745	2/3/2016	Lead	9	Copper	210			FLINT	48507
LG04808	1/27/2016	Lead	0	Copper	0			FLINT	
LF87937	10/16/2015	Lead	10	Copper	70			FLINT	48507
LG09235	2/4/2016	Lead	6	Copper	60			FLINT	48507
LG09236	2/4/2016	Lead	4	Copper	0			FLINT	48507
LG09243	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09255	2/4/2016	Lead	6	Copper	90			FLINT	48507
LG03483	1/25/2016	Lead	0	Copper	90			FLINT	48507
LG07801	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG08410	2/3/2016	Lead	3	Copper	50			FLINT	48507
LG03475	1/25/2016	Lead	3	Copper	50			FLINT	48507
LG05445	1/28/2016	Lead	0	Copper	130			FLINT	48507
LG09083	2/4/2016	Lead	3	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG08675	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG04550	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG06091	1/29/2016	Lead	5	Copper	120			FLINT	48507
LG01719	1/21/2016	Lead	15	Copper	60			FLINT	48507
LG02829	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG05142	1/27/2016	Lead	1	Copper	0			FLINT	48507
LG02587	1/22/2016	Lead	7	Copper	0			FLINT	48507
LG01899	1/21/2016	Lead	2	Copper	50			FLINT	48507
LG10236	2/6/2016	Lead	3	Copper	230			FLINT	48507
LF87412	10/13/2015	Lead	5	Copper	70			FLINT	48507
LG04555	1/26/2016	Lead	4	Copper	0			FLINT	48507
LG04759	1/27/2016	Lead	6	Copper	0			FLINT	48507
LG10516	2/7/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG09106	2/4/2016	Lead	3	Copper	0			FLINT	48507
LF97328	12/18/2015	Lead	8	Copper	90			FLINT	48507
LG10235	2/6/2016	Lead	3	Copper	0			FLINT	48507
LG03077	1/24/2016	Lead	0	Copper	0		UE	FLINT	48507
LG06164	1/29/2016	Lead	[redacted]	Copper	100			FLINT	
LG02160	1/21/2016	Lead	8	Copper	60			FLINT	48507
LG07628	2/2/2016	Lead	0	Copper	140			FLINT	48503
LG07645	2/2/2016	Lead	2	Copper	100			FLINT	48503
LG04974	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG08629	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG02735	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG08493	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG02450	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG07518	2/2/2016	Lead	[redacted]	Copper	60			FLINT	48506
LG01676	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG00495	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG02739	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG04214	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG09713	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG05470	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG02806	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG07718	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG04245	1/26/2016	Lead	0	Copper	120			FLINT	48506
LG06060	1/29/2016	Lead	0	Copper	0			FLINT	48506
LF93590	11/24/2015	Lead	8	Copper	0			FLINT	48506
LG05301	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG01487	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48506
LG01808	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG07605	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG01461	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG04332	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG06868	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG03511	1/25/2016	Lead	0	Copper	60			FLINT	48532
LG06151	1/29/2016	Lead	6	Copper	120			FLINT	48532
LG02598	1/22/2016	Lead	0	Copper	0			FLINT	48532
LG04100	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG05985	1/29/2016	Lead	2	Copper	120			FLINT	48503
LG03009	1/24/2016	Lead	10	Copper	190			FLINT	48503
LG07919	2/2/2016	Lead	2	Copper	0			FLINT	48503
LG06157	1/29/2016	Lead	0	Copper	80			FLINT	48532
LG08530	2/3/2016	Lead	4	Copper	90			FLINT	48532
LG05944	1/29/2016	Lead	6	Copper	0		PT 2	FLINT	48503
LF99952	1/15/2016	Lead	0	Copper	0				
LG01754	1/21/2016	Lead	0	Copper	0		VE	FLINT	48506
LG02014	1/21/2016	Lead	5	Copper	410		VE	FLINT	48506
LG00585	1/19/2016	Lead	0	Copper	0		VE	FLINT	48506
LG04108	1/26/2016	Lead	2	Copper	0		VE	FLINT	48506
LG06137	1/29/2016	Lead	0	Copper	0		VE	FLINT	48506
LG01189	1/21/2016	Lead	0	Copper	0		VE	FLINT	48506
LG02143	1/21/2016	Lead	0	Copper	70		VE	FLINT	48506
LG08479	2/3/2016	Lead	0	Copper	0		VE	FLINT	48506
LG06153	1/29/2016	Lead	0	Copper	140		VE	FLINT	48506
LG10087	2/6/2016	Lead	1	Copper	0		VE	FLINT	48506
LG03116	1/24/2016	Lead	[redacted]	Copper	640			FLINT	48507
LG02374	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG01535	1/21/2016	Lead	0	Copper	0			FLINT	48507-5656
LG07093	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG04328	1/26/2016	Lead	[redacted]	Copper	80			FLINT	48503
LG03497	1/25/2016	Lead	[redacted]	Copper	90		J	FLINT	48507
LG03488	1/25/2016	Lead	1	Copper	70			FLINT	
LG00521	1/19/2016	Lead	2	Copper	0			FLINT	48507
LG09109	2/4/2016	Lead	0	Copper	0			FLINT	48532
LG06271	1/30/2016	Lead	0	Copper	110		E	FLINT	48503
LG10274	2/6/2016	Lead	0	Copper	90			FLINT	48503
LG08437	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG10199	2/6/2016	Lead	0	Copper	0	3/17		FLINT	48532
LG04524	1/26/2016	Lead	2	Copper	150			FLINT	48532-5208

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG04508	1/26/2016	Lead	0	Copper	80			FLINT	
LG00500	1/19/2016	Lead	0	Copper	0			FLINT	48532
LG05755	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG06783	2/1/2016	Lead	0	Copper	60			FLINT	48503
LG09455	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09214	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG06504	1/31/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG07901	2/2/2016	Lead	0	Copper	0			FLINT	
LG06774	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG07008	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG02399	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG10553	2/7/2016	Lead	0	Copper	120			FLINT	48503
LG06181	1/29/2016	Lead	2	Copper	210			FLINT	48503
LG02102	1/21/2016	Lead	8	Copper	70	3		FLINT	48506
LG08307	2/3/2016	Lead	0	Copper	60			FLINT	
LG05690	1/28/2016	Lead	0	Copper	110			FLINT	48503
LG03019	1/24/2016	Lead	0	Copper	100		APT 7	FLINT	48503
LG06258	1/30/2016	Lead	0	Copper	0		APT 7	FLINT	48503
LG10509	2/7/2016	Lead	0	Copper	0		APT 7	FLINT	48503
LG04578	1/26/2016	Lead	0	Copper	0			FLINT	
LG03121	1/24/2016	Lead	1	Copper	80			FLINT	48503
LG05195	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05923	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG02508	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG01843	1/21/2016	Lead	0	Copper	80			FLINT	48503
LG02345	1/22/2016	Lead	0	Copper	80			FLINT	48503
LG09875	2/5/2016	Lead	2	Copper	70			FLINT	48503
LG06544	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG01335	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG01005	1/20/2016	Lead	0	Copper	60			FLINT	48506
LG06562	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06622	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG04414	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG05736	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG03505	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG06668	1/31/2016	Lead	0	Copper	100			FLINT	48506
LG04947	1/27/2016	Lead	0	Copper	60			FLINT	48506
LG01371	1/21/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48504
LF85860	10/1/2015	Lead	[redacted]	Copper	1,040			FLINT	48504
LG00463	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG09153	2/4/2016	Lead	2	Copper	0			FLINT	48504
LG02415	1/22/2016	Lead	3	Copper	110			FLINT	48504
LG07421	2/2/2016	Lead	0	Copper	0			FLINT	
LG02198	1/21/2016	Lead	1	Copper	80			FLINT	48504
LF86489	10/6/2015	Lead	0	Copper	0			FLINT	48504
LF88974	10/26/2015	Lead	2	Copper	0			FLINT	48504
LG01945	1/21/2016	Lead	2	Copper	0			FLINT	
LG00507	1/19/2016	Lead	4	Copper	70			FLINT	48504
LG06920	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG10137	2/6/2016	Lead	4	Copper	0			FLINT	48504
LG02462	1/22/2016	Lead	2	Copper	280			FLINT	48504
LF87417	10/13/2015	Lead	1	Copper	120			FLINT	48504
LG09194	2/4/2016	Lead	12	Copper	160			FLINT	48504
LG01181	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG01240	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG05744	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG10104	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG01268	1/21/2016	Lead	0	Copper	0			FLINT	
LG07024	2/1/2016	Lead	4	Copper	60			FLINT	48505
LG07964	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07966	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG03100	1/24/2016	Lead	0	Copper	0			FLINT	48505
LF84898	9/25/2015	Lead	6	Copper	0			FLINT	48505
LG07831	2/2/2016	Lead	1	Copper	0			FLINT	48505
LG07881	2/2/2016	Lead	0	Copper	0			FLINT	
LG01494	1/21/2016	Lead	0	Copper	50			FLINT	48505
LF87946	10/16/2015	Lead	0	Copper	0			FLINT	
LG09815	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG02678	1/23/2016	Lead	2	Copper	0			FLINT	48505
LG01549	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG08590	2/3/2016	Lead	[redacted]	Copper	100		T 7	FLINT	48507
LG08352	2/3/2016	Lead	12	Copper	190		N	FLINT	48532
LG01246	1/21/2016	Lead	1	Copper	70			FLINT	48504
LG01460	1/21/2016	Lead	0	Copper	50			FLINT	48505
LG09186	2/4/2016	Lead	0	Copper	120			FLINT	48505
LG06183	1/29/2016	Lead	0	Copper	80			FLINT	48505
LG04764	1/27/2016	Lead	2	Copper	0			FLINT	
LG06336	1/30/2016	Lead	2	Copper	0			FLINT	48504
LG08549	2/3/2016	Lead	0	Copper	0		RIVE	FLINT	
LG07772	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG01934	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG06506	1/31/2016	Lead	1	Copper	60			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG04600	1/26/2016	Lead	0	Copper	0			FLINT	48505
LF99979	1/15/2016	Lead	2	Copper	70			FLINT	48505
LG05629	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG07933	2/2/2016	Lead	13	Copper	0			FLINT	48504
LF95912	12/10/2015	Lead	0	Copper	0			FLINT	48504
LG10180	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG03456	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG00343	1/19/2016	Lead	0	Copper	50			FLINT	48504
LG04822	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG04755	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG06493	1/31/2016	Lead	1	Copper	0			FLINT	48504
LG08618	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG06762	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG02586	1/22/2016	Lead	0	Copper	0			FLINT	48504
LF99981	1/15/2016	Lead	0	Copper	0			FLINT	
LG03716	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG08435	2/3/2016	Lead	1	Copper	60			FLINT	48505
LG04330	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG02687	1/23/2016	Lead	1	Copper	100			FLINT	48504
LG01737	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01926	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG03059	1/24/2016	Lead	0	Copper	90			FLINT	48503
LG06022	1/29/2016	Lead	11	Copper	120			FLINT	48503
LG00451	1/19/2016	Lead	0	Copper	70			FLINT	48503
LG06023	1/29/2016	Lead	1	Copper	60			FLINT	48503
LG07548	2/2/2016	Lead	8	Copper	130			FLINT	48503
LF99968	1/15/2016	Lead	9	Copper	0			FLINT	48503
LG04288	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG01596	1/21/2016	Lead	0	Copper	100			FLINT	
LG09394	2/4/2016	Lead	1	Copper	160			FLINT	48503
LG03128	1/24/2016	Lead	7	Copper	170			FLINT	48503
LG08574	2/3/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG00569	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG07820	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG02777	1/23/2016	Lead	3	Copper	790			FLINT	48503
LG01711	1/21/2016	Lead	1	Copper	380			FLINT	48503
LG02068	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01287	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG08632	2/3/2016	Lead	8	Copper	60			FLINT	
LG09883	2/5/2016	Lead	0	Copper	70		PT 1	FLINT	48507
LF95920	12/10/2015	Lead	1	Copper	90			FLINT	48503
LG02515	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG08301	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG05599	1/28/2016	Lead	4	Copper	0			FLINT	48503
LG02312	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG08351	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG02052	1/21/2016	Lead	4	Copper	150			FLINT	48503
LF97322	12/18/2015	Lead	0	Copper	90			FLINT	48503
LG05551	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG06884	2/1/2016	Lead	[redacted]	Copper	290		E	FLINT	48503
LF87930	10/16/2015	Lead	1	Copper	0			FLINT	48507
LG07469	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG06659	1/31/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG07687	2/2/2016	Lead	2	Copper	0			FLINT	48507
LG05452	1/28/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG07092	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG06317	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06090	1/29/2016	Lead	2	Copper	0			FLINT	48507
LG06155	1/29/2016	Lead	[redacted]	Copper	1,190			FLINT	48507
LG00867	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG09840	2/5/2016	Lead	7	Copper	70			FLINT	48507
LG10505	2/7/2016	Lead	5	Copper	0			FLINT	48507
LG08469	2/3/2016	Lead	15	Copper	250			FLINT	48507
LG07691	2/2/2016	Lead	4	Copper	90			FLINT	48507
LG04921	1/27/2016	Lead	8	Copper	0			FLINT	48507
LG04198	1/26/2016	Lead	3	Copper	0			FLINT	48507
LG04571	1/26/2016	Lead	[redacted]	Copper	150			FLINT	48507
LG06964	2/1/2016	Lead	3	Copper	0			FLINT	48507
LG09982	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG07482	2/2/2016	Lead	0	Copper	0			FLINT	48507
LF90463	11/4/2015	Lead	4	Copper	0		R	FLINT	
LG07649	2/2/2016	Lead	0	Copper	0		R	FLINT	48503
LG05694	1/28/2016	Lead	0	Copper	0		R	FLINT	48503
LG05625	1/28/2016	Lead	0	Copper	70		R	FLINT	48503
LF99931	1/15/2016	Lead	0	Copper	0		R	FLINT	48503
LG04354	1/26/2016	Lead	0	Copper	0		R.	FLINT	48503
LG06995	2/1/2016	Lead	1	Copper	60		RIVE	FLINT	48503
LG01520	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG06385	1/30/2016	Lead	14	Copper	230			FLINT	48504
LG02822	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG09462	2/4/2016	Lead	4	Copper	0			FLINT	48504
LG10270	2/6/2016	Lead	2	Copper	0			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible]	Street Name	City	Zip Code
LF97978	12/29/2015	Lead	11	Copper	0			FLINT	48504
LG01840	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01522	1/21/2016	Lead	13	Copper	0			FLINT	48504
LG03710	1/25/2016	Lead	4	Copper	0			FLINT	48504
LG09446	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG02749	1/23/2016	Lead	8	Copper	0			FLINT	48505
LG04880	1/27/2016	Lead	3	Copper	60			FLINT	48504
LG09204	2/4/2016	Lead	4	Copper	110			FLINT	48504
LG06158	1/29/2016	Lead	4	Copper	90			FLINT	48504
LG04863	1/27/2016	Lead	3	Copper	60			FLINT	48504
LG05978	1/29/2016	Lead	6	Copper	220			FLINT	48504
LG06630	1/31/2016	Lead	2	Copper	120			FLINT	48504
LG03521	1/25/2016	Lead	0	Copper	270			FLINT	
LG09110	2/4/2016	Lead	0	Copper	90			FLINT	48504
LG01640	1/21/2016	Lead	0	Copper	0			FLINT	
LF93577	11/24/2015	Lead	0	Copper	0			FLINT	
LG02100	1/21/2016	Lead	4	Copper	60			FLINT	48504
LG04380	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG09145	2/4/2016	Lead	2	Copper	80			FLINT	48504
LF87037	10/8/2015	Lead	0	Copper	0			FLINT	48504
LG06054	1/29/2016	Lead	0	Copper	70			FLINT	48504
LG09078	2/4/2016	Lead	1	Copper	100			FLINT	48504
LG05514	1/28/2016	Lead	0	Copper	0	(		FLINT	48504
LG09811	2/5/2016	Lead	0	Copper	0		E	FLINT	48503
LG08780	2/3/2016	Lead	7	Copper	50			FLINT	48504
LF85795	10/1/2015	Lead	2	Copper	60			FLINT	48504
LG04929	1/27/2016	Lead	2	Copper	90			FLINT	48504
LF85798	10/1/2015	Lead	7	Copper	0			FLINT	48504
LF85796	10/1/2015	Lead	0	Copper	140			FLINT	48504
LG07684	2/2/2016	Lead	0	Copper	80		E	FLINT	48507
LG09245	2/4/2016	Lead	13	Copper	160		E	FLINT	48507
LG08464	2/3/2016	Lead	0	Copper	60		E	FLINT	48507
LG09495	2/4/2016	Lead	3	Copper	100			FLINT	48507
LG04566	1/26/2016	Lead	0	Copper	90			FLINT	48507
LG04089	1/26/2016	Lead	9	Copper	90			FLINT	
LG05702	1/28/2016	Lead	0	Copper	130				
LG07630	2/2/2016	Lead	0	Copper	0			FLINT	48502
LG01338	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04091	1/26/2016	Lead	2	Copper	130			FLINT	48502
LG05680	1/28/2016	Lead	0	Copper	0			FLINT	
LG03725	1/25/2016	Lead	0	Copper	220		E	FLINT	48507
LG00601	1/19/2016	Lead	1	Copper	0			FLINT	48503
LG06358	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG03616	1/25/2016	Lead	1	Copper	0			FLINT	48503
LF99914	1/15/2016	Lead	6	Copper	0				
LG00966	1/20/2016	Lead	4	Copper	0			FLINT	48503
LF95923	12/10/2015	Lead	0	Copper	0			FLINT	48503
LG04977	1/27/2016	Lead	0	Copper	0			FLINT	48503
LF88961	10/26/2015	Lead	4	Copper	0			FLINT	48503
LG08690	2/3/2016	Lead	1	Copper	0			FLINT	48503
LF87036	10/8/2015	Lead	7	Copper	0			FLINT	48503
LG04070	1/26/2016	Lead	1	Copper	0			FLINT	48503
LF87012	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87016	10/8/2015	Lead	1	Copper	110			FLINT	48503
LG04497	1/26/2016	Lead	1	Copper	0			FLINT	48503
LF87008	10/8/2015	Lead	10	Copper	160			FLINT	48503
LF87011	10/8/2015	Lead	5	Copper	0			FLINT	48503
LF94279	12/2/2015	Lead	5	Copper	180			FLINT	48503
LF85290	9/29/2015	Lead	6	Copper	70			FLINT	48503
LG07443	2/2/2016	Lead	2	Copper	50			FLINT	48503
LG06274	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06983	2/1/2016	Lead	0	Copper	360			FLINT	48503
LF85955	10/2/2015	Lead	7	Copper	410			FLINT	48503
LG03635	1/25/2016	Lead	2	Copper	370			FLINT	48503
LF92734	11/18/2015	Lead	6	Copper	0			FLINT	48503
LG04216	1/26/2016	Lead	5	Copper	0			FLINT	48503
LG04282	1/26/2016	Lead	6	Copper	0			FLINT	48503
LF92735	11/18/2015	Lead	0	Copper	0			FLINT	
LF92732	11/18/2015	Lead	2	Copper	0			FLINT	48503
LG09934	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09258	2/4/2016	Lead	0	Copper	0		RCLE	FLINT	
LG01352	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04576	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG01524	1/21/2016	Lead	0	Copper	140			FLINT	
LG08387	2/3/2016	Lead	0	Copper	110			FLINT	48503
LG01786	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG08533	2/3/2016	Lead	3	Copper	0			FLINT	
LG01544	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01552	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01556	1/21/2016	Lead	3	Copper	0			FLINT	48503
LF92700	11/18/2015	Lead	1	Copper	70			FLINT	48507
LF87044	10/8/2015	Lead	1	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LF92697	11/18/2015	Lead	3	Copper	230			FLINT	48507
LF87034	10/8/2015	Lead	8	Copper	80			FLINT	48507
LG07956	2/2/2016	Lead	0	Copper	220			FLINT	48507
LG01305	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG05945	1/29/2016	Lead	[redacted]	Copper	70			FLINT	48503
LF94296	12/2/2015	Lead	0	Copper	0			FLINT	48503
LG07489	2/2/2016	Lead	2	Copper	80			FLINT	48503
LG02772	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG03582	1/25/2016	Lead	4	Copper	60			FLINT	48503
LG09058	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG04781	1/27/2016	Lead	0	Copper	0	G		FLINT	48532
LG02625	1/22/2016	Lead	0	Copper	0		T B	FLINT	48503
LG00951	1/20/2016	Lead	0	Copper	90			FLINT	48503
LG02004	1/21/2016	Lead	1	Copper	80			FLINT	48506
LG02699	1/23/2016	Lead	4	Copper	0		VE	FLINT	48506
LG06172	1/29/2016	Lead	5	Copper	80		VE	FLINT	48506
LG03615	1/25/2016	Lead	4	Copper	0		VE	FLINT	
LG05049	1/27/2016	Lead	5	Copper	90		VE	FLINT	48506
LF99921	1/15/2016	Lead	0	Copper	70		VE	FLINT	48506
LG06293	1/30/2016	Lead	0	Copper	80		VE	FLINT	48506
LG08306	2/3/2016	Lead	0	Copper	0		VE	FLINT	48506
LG09712	2/5/2016	Lead	1	Copper	0		VE		48506
LG08344	2/3/2016	Lead	0	Copper	0		VE	FLINT	48506
LG04164	1/26/2016	Lead	0	Copper	140		VE	FLINT	48506
LG03636	1/25/2016	Lead	0	Copper	0		VE	FLINT	48506
LG02824	1/23/2016	Lead	5	Copper	0		VE	FLINT	48506
LG06497	1/31/2016	Lead	0	Copper	0		VE	FLINT	48506
LG02846	1/23/2016	Lead	0	Copper	0		VE	FLINT	48506
LG08713	2/3/2016	Lead	2	Copper	250		VE	FLINT	48506
LG08276	2/3/2016	Lead	0	Copper	0		VE	FLINT	48506
LG00491	1/19/2016	Lead	0	Copper	0		VE	FLINT	48506
LG06406	1/30/2016	Lead	0	Copper	0		VE	FLINT	48506
LG09061	2/4/2016	Lead	0	Copper	0		VE	FLINT	48506
LG03739	1/25/2016	Lead	0	Copper	0		VENUE	FLINT	48506
LG06474	1/31/2016	Lead	3	Copper	90		R	FLINT	48506
LG01878	1/21/2016	Lead	2	Copper	0			FLINT	48504
LF88314	10/20/2015	Lead	2	Copper	0			FLINT	
LG01458	1/21/2016	Lead	2	Copper	80			FLINT	48503
LG07739	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG06113	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG10141	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG05072	1/27/2016	Lead	13	Copper	120			FLINT	48504
LG01846	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02106	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04405	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG10548	2/7/2016	Lead	6	Copper	240			FLINT	48503
LG02583	1/22/2016	Lead	3	Copper	0			FLINT	48504
LG09847	2/5/2016	Lead	4	Copper	0			FLINT	48504
LG08367	2/3/2016	Lead	9	Copper	80			FLINT	48504
LG05764	1/28/2016	Lead	9	Copper	50			FLINT	48504
LG02818	1/23/2016	Lead	4	Copper	0			FLINT	48504
LG01666	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG04278	1/26/2016	Lead	1	Copper	0			FLINT	48504
LF85938	10/2/2015	Lead	3	Copper	0			FLINT	48504
LG02397	1/22/2016	Lead	0	Copper	100			FLINT	48504
LG08765	2/3/2016	Lead	0	Copper	0		T	FLINT	48584
LG01195	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG06842	2/1/2016	Lead	0	Copper	0			FLINT	48505
LG02157	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG07053	2/1/2016	Lead	0	Copper	60			FLINT	48504
LG02217	1/21/2016	Lead	2	Copper	0		IVE	FLINT	48505
LG02639	1/22/2016	Lead	0	Copper	0		IVE	FLINT	48505
LG06267	1/30/2016	Lead	1	Copper	0		IVE	FLINT	48504-1644
LG07457	2/2/2016	Lead	4	Copper	0			FLINT	48506
LF97351	12/18/2015	Lead	[redacted]	Copper	120			FLINT	48506
LG04140	1/26/2016	Lead	1	Copper	70			FLINT	48506
LG06450	1/30/2016	Lead	[redacted]	Copper	270			FLINT	48506
LG10591	2/7/2016	Lead	3	Copper	60			FLINT	48506
LG07745	2/2/2016	Lead	3	Copper	0			FLINT	48504
LG07891	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG01919	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG09279	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG06046	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06059	1/29/2016	Lead	0	Copper	0			FLINT	
LG07498	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG05117	1/27/2016	Lead	1	Copper	0			FLINT	48504
LG05631	1/28/2016	Lead	5	Copper	0			FLINT	48504
LG04105	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG02465	1/22/2016	Lead	7	Copper	0			FLINT	48503
LG05032	1/27/2016	Lead	[redacted]	Copper	480			FLINT	48503
LG01367	1/21/2016	Lead	7	Copper	0			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	**	Street Name	City	Zip Code
LG06776	2/1/2016	Lead	[redacted]	Copper	70			NUE	FLINT	48503
LG06609	1/31/2016	Lead	0	Copper	0				FLINT	48506
LG06949	2/1/2016	Lead	0	Copper	0				FLINT	
LG05453	1/28/2016	Lead	0	Copper	0			TP 3	FLINT	
LG08298	2/3/2016	Lead	0	Copper	0				FLINT	
LG10078	2/6/2016	Lead	0	Copper	130				FLINT	48506
LG10191	2/6/2016	Lead	0	Copper	0				FLINT	48506
LG10091	2/6/2016	Lead	0	Copper	0				FLINT	48506
LG06174	1/29/2016	Lead	0	Copper	0			E	FLINT	48506
LG06129	1/29/2016	Lead	[redacted]	Copper	120				FLINT	48506
LG02559	1/22/2016	Lead	8	Copper	0				FLINT	48506
LG06738	2/1/2016	Lead	0	Copper	0				FLINT	
LG02740	1/23/2016	Lead	[redacted]	Copper	110				FLINT	48506
LG03447	1/25/2016	Lead	1	Copper	0				FLINT	48506
LG03691	1/25/2016	Lead	0	Copper	0				FLINT	48506
LF97925	12/29/2015	Lead	3	Copper	60				FLINT	
LF97926	12/29/2015	Lead	0	Copper	0				FLINT	48506
LG07598	2/2/2016	Lead	[redacted]	Copper	0				FLINT	48506
LG00580	1/19/2016	Lead	4	Copper	80				FLINT	
LG00484	1/19/2016	Lead	7	Copper	0				FLINT	48506
LG02520	1/22/2016	Lead	2	Copper	190				FLINT	48506
LG05703	1/28/2016	Lead	1	Copper	0				FLINT	48506
LG02431	1/22/2016	Lead	2	Copper	0				FLINT	48506
LG10157	2/6/2016	Lead	1	Copper	0				FLINT	48506
LG03437	1/25/2016	Lead	0	Copper	0				FLINT	48506
LG10583	2/7/2016	Lead	[redacted]	Copper	110				FLINT	48506
LF93582	11/24/2015	Lead	1	Copper	60				FLINT	48506
LG03589	1/25/2016	Lead	2	Copper	70				FLINT	48506
LG09489	2/4/2016	Lead	1	Copper	0				FLINT	
LG01836	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG09332	2/4/2016	Lead	0	Copper	60				FLINT	48506
LG05180	1/27/2016	Lead	0	Copper	0				FLINT	48506
LF85291	9/29/2015	Lead	2	Copper	60				FLINT	48506
LG00486	1/19/2016	Lead	2	Copper	80				FLINT	48506
LG01504	1/21/2016	Lead	2	Copper	100				FLINT	48506
LG02957	1/23/2016	Lead	2	Copper	80				FLINT	48506
LG09711	2/5/2016	Lead	[redacted]	Copper	260				FLINT	48506
LG06743	2/1/2016	Lead	2	Copper	60				FLINT	48506
LG03755	1/25/2016	Lead	0	Copper	0				FLINT	48506
LG02741	1/23/2016	Lead	0	Copper	0				FLINT	48506
LG03807	1/25/2016	Lead	3	Copper	60				FLINT	48506
LG04823	1/27/2016	Lead	2	Copper	0			IUE	FLINT	48506
LG03442	1/25/2016	Lead	11	Copper	70			IUE	FLINT	48506
LG10526	2/7/2016	Lead	8	Copper	50			IUE	FLINT	48506
LG06180	1/29/2016	Lead	2	Copper	0				FLINT	48503
LG08564	2/3/2016	Lead	0	Copper	90				FLINT	48504
LG02987	1/24/2016	Lead	0	Copper	0				FLINT	48504
LG00549	1/19/2016	Lead	0	Copper	0				FLINT	
LF86519	10/6/2015	Lead	0	Copper	0				FLINT	48504
LG06278	1/30/2016	Lead	[redacted]	Copper	120				FLINT	48504
LG09820	2/5/2016	Lead	1	Copper	100				FLINT	48504
LG04396	1/26/2016	Lead	0	Copper	0				FLINT	48505
LG02184	1/21/2016	Lead	2	Copper	0				FLINT	48504
LG06408	1/30/2016	Lead	6	Copper	0				FLINT	48504
LG07706	2/2/2016	Lead	6	Copper	0				FLINT	48504
LG05998	1/29/2016	Lead	0	Copper	0				FLINT	48504
LG08663	2/3/2016	Lead	0	Copper	0				FLINT	48504
LG06262	1/30/2016	Lead	0	Copper	120				FLINT	48504
LG02869	1/23/2016	Lead	4	Copper	60				FLINT	48504
LG04098	1/26/2016	Lead	1	Copper	70				FLINT	48504
LG09800	2/5/2016	Lead	0	Copper	0				FLINT	48504
LG02872	1/23/2016	Lead	0	Copper	80				FLINT	48504
LG02090	1/21/2016	Lead	3	Copper	80				FLINT	48504
LG09310	2/4/2016	Lead	5	Copper	280				FLINT	48504
LG07889	2/2/2016	Lead	2	Copper	0				FLINT	48504
LG02582	1/22/2016	Lead	2	Copper	0			BOX 5128-48505	FLINT	48505
LG02865	1/23/2016	Lead	[redacted]	Copper	220			T	FLINT	48504
LG06372	1/30/2016	Lead	1	Copper	0				FLINT	48504
LG10069	2/6/2016	Lead	0	Copper	0			E	FLINT	48505
LG09746	2/5/2016	Lead	1	Copper	90				FLINT	
LG05200	1/27/2016	Lead	1	Copper	80				FLINT	48505
LG05201	1/27/2016	Lead	2	Copper	60				FLINT	48505
LG06560	1/31/2016	Lead	1	Copper	0				FLINT	48506
LG04941	1/27/2016	Lead	0	Copper	0			ANE	FLINT	48507
LG02886	1/23/2016	Lead	0	Copper	0			ANE	FLINT	48507
LG09769	2/5/2016	Lead	0	Copper	0			ANE	FLINT	48507
LG03493	1/25/2016	Lead	0	Copper	70			N	FLINT	48507
LG04172	1/26/2016	Lead	0	Copper	0			N	FLINT	48507
LG01815	1/21/2016	Lead	0	Copper	0			N	FLINT	48507
LG03089	1/24/2016	Lead	3	Copper	90			N	FLINT	48507
LG00550	1/19/2016	Lead	0	Copper	120				FLINT	
LG10010	2/5/2016	Lead	0	Copper	0				FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02440	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02077	1/21/2016	Lead	1	Copper	0			FLINT	48501
LG02493	1/22/2016	Lead	1	Copper	60			FLINT	48506
LG00931	1/20/2016	Lead	3	Copper	0			FLINT	48506
LG08558	2/3/2016	Lead	0	Copper	500			FLINT	48505
LG01634	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG07695	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG09962	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG08587	2/3/2016	Lead	5	Copper	0			FLINT	48505
LF99970	1/15/2016	Lead	0	Copper	0			FLINT	48505
LG03444	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG01753	1/21/2016	Lead	0	Copper	0		R	FLINT	48504
LG00831	1/20/2016	Lead	0	Copper	0			FLINT	
LG09907	2/5/2016	Lead	7	Copper	120			FLINT	48504
LG08444	2/3/2016	Lead	6	Copper	0			FLINT	48504
LG04079	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG09248	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09779	2/5/2016	Lead	0	Copper	70			FLINT	48505
LG09912	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09830	2/5/2016	Lead	5	Copper	0			FLINT	48505
LG01422	1/21/2016	Lead	3	Copper	140			FLINT	48507
LG10003	2/5/2016	Lead	0	Copper	0		IK	BURTON	48519
LG06986	2/1/2016	Lead	1	Copper	60		NE	FLINT	
LG03647	1/25/2016	Lead	0	Copper	60		NE	FLINT	48507
LG02305	1/22/2016	Lead	0	Copper	80			FLINT	48507
LG06352	1/30/2016	Lead	[redacted]	Copper	100			FLINT	48507
LG04590	1/26/2016	Lead	0	Copper	60			FLINT	48507
LG09816	2/5/2016	Lead	3	Copper	50			FLINT	48507
LG09469	2/4/2016	Lead	1	Copper	0			FLINT	48532
LG07481	2/2/2016	Lead	0	Copper	0		AVE	FLINT	48532
LF99157	1/7/2016	Lead	0	Copper	90		AVE	FLINT	
LG01008	1/20/2016	Lead	3	Copper	0				48503
LG04591	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG04314	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04237	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG06102	1/29/2016	Lead	[redacted]	Copper	220			FLINT	48503
LG05168	1/27/2016	Lead	4	Copper	90			FLINT	48503
LG04802	1/27/2016	Lead	12	Copper	70			FLINT	48503
LG04782	1/27/2016	Lead	0	Copper	60			FLINT	48503
LG00600	1/19/2016	Lead	7	Copper	90			FLINT	48503
LF97338	12/18/2015	Lead	0	Copper	0			FLINT	48503
LG06182	1/29/2016	Lead	0	Copper	50			FLINT	48503
LF85956	10/2/2015	Lead	9	Copper	70			FLINT	48503
LG05493	1/28/2016	Lead	2	Copper	60			FLINT	48503
LG09899	2/5/2016	Lead	11	Copper	0			FLINT	48503
LG04975	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG01208	1/21/2016	Lead	1	Copper	0		E	FLINT	48503
LG10201	2/6/2016	Lead	3	Copper	0		E	FLINT	48503
LG10211	2/6/2016	Lead	2	Copper	180		E	FLINT	48503
LG09285	2/4/2016	Lead	0	Copper	60		E	FLINT	48503
LF87021	10/8/2015	Lead	6	Copper	110		E	FLINT	48503
LG04928	1/27/2016	Lead	1	Copper	50		E	FLINT	48503
LG04784	1/27/2016	Lead	0	Copper	70		E	FLINT	48503
LG08701	2/3/2016	Lead	0	Copper	0		E	FLINT	48503
LG03692	1/25/2016	Lead	0	Copper	0		E	FLINT	48503
LG09147	2/4/2016	Lead	2	Copper	0		E	FLINT	48503
LG02729	1/23/2016	Lead	3	Copper	0		E	FLINT	48503
LG02730	1/23/2016	Lead	0	Copper	0		E	FLINT	48503
LG07648	2/2/2016	Lead	[redacted]	Copper	[redacted]		E	FLINT	48503
LG01518	1/21/2016	Lead	2	Copper	0		E	FLINT	48503
LG07082	2/1/2016	Lead	3	Copper	0		E	FLINT	48503
LF87387	10/13/2015	Lead	4	Copper	60		E	FLINT	48503
LG04209	1/26/2016	Lead	0	Copper	0		E	FLINT	48503
LG03763	1/25/2016	Lead	1	Copper	0		E	FLINT	48503
LG00918	1/20/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG08539	2/3/2016	Lead	7	Copper	0			FLINT	48503
LG04584	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04586	1/26/2016	Lead	10	Copper	0			FLINT	48503
LG08577	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG06112	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05714	1/28/2016	Lead	3	Copper	200			FLINT	48503
LG01537	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG07635	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG04776	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG06492	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06730	2/1/2016	Lead	0	Copper	110			FLINT	48503
LG04120	1/26/2016	Lead	15	Copper	50			FLINT	48503
LG07668	2/2/2016	Lead	2	Copper	0			FLINT	48503
LG04324	1/26/2016	Lead	4	Copper	60			FLINT	48503
LF93557	11/24/2015	Lead	3	Copper	0			FLINT	48503
LG04772	1/27/2016	Lead	8	Copper	0			FLINT	48503
LG05483	1/28/2016	Lead	[redacted]	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09648	2/5/2016	Lead	2	Copper	0		/E	FLINT	48503
LF88282	10/20/2015	Lead	6	Copper	0		/E	FLINT	48503
LG02362	1/22/2016	Lead	2	Copper	0		/E	FLINT	48503
LG02547	1/22/2016	Lead	[redacted]	Copper	90			FLINT	48507
LG09098	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG05225	1/27/2016	Lead	0	Copper	0			FLINT	
LG06791	2/1/2016	Lead	4	Copper	120			FLINT	48507
LG10515	2/7/2016	Lead	5	Copper	50			FLINT	48507
LG09116	2/4/2016	Lead	15	Copper	230			FLINT	48507
LG09095	2/4/2016	Lead	5	Copper	70			FLINT	48507
LG10227	2/6/2016	Lead	[redacted]	Copper	0			FLINT	48507
LG09477	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG10005	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG01423	1/21/2016	Lead	0	Copper	60		/E	FLINT	
LG03487	1/25/2016	Lead	0	Copper	0		IE	FLINT	48507
LG09123	2/4/2016	Lead	1	Copper	0		/E	FLINT	48507
LG05543	1/28/2016	Lead	1	Copper	80		/E	FLINT	48507
LG06133	1/29/2016	Lead	0	Copper	0		IE	FLINT	48507
LF93588	11/24/2015	Lead	1	Copper	100			FLINT	48507
LG03477	1/25/2016	Lead	0	Copper	90			FLINT	48507
LF86493	10/6/2015	Lead	[redacted]	Copper	140			FLINT	48507
LG00868	1/20/2016	Lead	[redacted]	Copper	90			FLINT	48507
LG02076	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG10247	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG08333	2/3/2016	Lead	2	Copper	0			FLINT	48507
LF93560	11/24/2015	Lead	[redacted]	Copper	80		1	FLINT	48507
LF93555	11/24/2015	Lead	6	Copper	0		2	FLINT	48507
LF93556	11/24/2015	Lead	5	Copper	0		3	FLINT	48507
LF93562	11/24/2015	Lead	5	Copper	0		4	FLINT	48507
LF93564	11/24/2015	Lead	4	Copper	0		5	FLINT	48507
LF93561	11/24/2015	Lead	0	Copper	0		6	FLINT	48507
LG09485	2/4/2016	Lead	0	Copper	0		R	FLINT	48506
LG04331	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG05502	1/28/2016	Lead	2	Copper	0			FLINT	48505
LG06376	1/30/2016	Lead	8	Copper	0			FLINT	48505
LG03590	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG06323	1/30/2016	Lead	0	Copper	0		/E	FLINT	48507
LG09189	2/4/2016	Lead	1	Copper	70			FLINT	48503
LG05085	1/27/2016	Lead	0	Copper	160			FLINT	48503
LG02991	1/24/2016	Lead	0	Copper	70			FLINT	48503
LG09900	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG03041	1/24/2016	Lead	4	Copper	80			FLINT	48503
LG05723	1/28/2016	Lead	1	Copper	300		IE	FLINT	48503
LG06296	1/30/2016	Lead	0	Copper	0			BURTON	48529
LG06618	1/31/2016	Lead	2	Copper	0			FLINT	
LG06804	2/1/2016	Lead	8	Copper	320			FLINT	48503
LG04791	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05953	1/29/2016	Lead	5	Copper	0			FLINT	48503
LG06475	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06401	1/30/2016	Lead	0	Copper	0			FLINT	48503
LF86487	10/6/2015	Lead	1	Copper	500			FLINT	48503
LG07448	2/2/2016	Lead	0	Copper	480			FLINT	48503
LG01668	1/21/2016	Lead	3	Copper	110			FLINT	48503
LG07682	2/2/2016	Lead	1	Copper	340			FLINT	48503
LG07685	2/2/2016	Lead	[redacted]	Copper	210			FLINT	48503
LG03130	1/24/2016	Lead	0	Copper	150			FLINT	48503
LG10262	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG02800	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG00548	1/19/2016	Lead	3	Copper	170			FLINT	48503
LG01409	1/21/2016	Lead	[redacted]	Copper	70			FLINT	48503
LG02922	1/23/2016	Lead	2	Copper	0			FLINT	48503
LF86486	10/6/2015	Lead	4	Copper	0			FLINT	48503
LG03086	1/24/2016	Lead	2	Copper	70			FLINT	48506
LG04515	1/26/2016	Lead	15	Copper	90			FLINT	48506
LG02101	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG06435	1/30/2016	Lead	2	Copper	70			FLINT	48506
LG10075	2/6/2016	Lead	1	Copper	0			FLINT	48506
LG07528	2/2/2016	Lead	0	Copper	290			FLINT	48506
LG01664	1/21/2016	Lead	0	Copper	120			FLINT	48506
LG00906	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG02683	1/23/2016	Lead	[redacted]	Copper	540			FLINT	48506
LG00595	1/19/2016	Lead	0	Copper	0				48505
LG03107	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG02008	1/21/2016	Lead	1	Copper	240			FLINT	48506
LG02020	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04503	1/26/2016	Lead	2	Copper	100			FLINT	48506
LG09738	2/5/2016	Lead	1	Copper	0			FLINT	48506
LG09065	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG02215	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04777	1/27/2016	Lead	0	Copper	0			FLINT	48506
LF97333	12/18/2015	Lead	0	Copper	100			FLINT	48506
LG09358	2/4/2016	Lead	0	Copper	110			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	[redacted]	Street Name	City	Zip Code
LG02832	1/23/2016	Lead	3	Copper	50				FLINT	48506
LG09335	2/4/2016	Lead	0	Copper	0				FLINT	48506
LG09373	2/4/2016	Lead	0	Copper	0				FLINT	48506
LG09783	2/5/2016	Lead	0	Copper	0				FLINT	48506
LG08625	2/3/2016	Lead	2	Copper	60				FLINT	48506
LG00970	1/20/2016	Lead	0	Copper	180				FLINT	48506
LG01294	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG04244	1/26/2016	Lead	13	Copper	0				FLINT	48506
LF99983	1/15/2016	Lead	0	Copper	0				FLINT	48506
LG05963	1/29/2016	Lead	0	Copper	80				FLINT	48506
LG03808	1/25/2016	Lead	0	Copper	0				FLINT	48506
LG05471	1/28/2016	Lead	0	Copper	60				FLINT	48506
LG02562	1/22/2016	Lead	0	Copper	0				FLINT	48506
LG02398	1/22/2016	Lead	7	Copper	60				FLINT	48506
LG08279	2/3/2016	Lead	0	Copper	0				FLINT	48506
LF87007	10/8/2015	Lead	0	Copper	0				FLINT	
LG01687	1/21/2016	Lead	5	Copper	80				FLINT	48506
LG02422	1/22/2016	Lead	0	Copper	60				FLINT	48506
LG10085	2/6/2016	Lead	0	Copper	70				FLINT	48506
LG04299	1/26/2016	Lead	0	Copper	50			INT	FLINT	48506
LG05446	1/28/2016	Lead	2	Copper	130			)	FLINT	48506
LG10070	2/6/2016	Lead	2	Copper	160			)	FLINT	48506
LG07065	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG09486	2/4/2016	Lead	0	Copper	0				FLINT	48503
LG01232	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG09727	2/5/2016	Lead	3	Copper	160				FLINT	48503
LG02303	1/22/2016	Lead	0	Copper	100			E	FLINT	48503
LG02715	1/23/2016	Lead	0	Copper	0				FLINT	48503
LG05960	1/29/2016	Lead	0	Copper	0				FLINT	48503
LG01398	1/21/2016	Lead	2	Copper	0				FLINT	48503
LG04927	1/27/2016	Lead	0	Copper	0				FLINT	48503
LG01376	1/21/2016	Lead	0	Copper	0				FLINT	48503
LF95911	12/10/2015	Lead	5	Copper	0				FLINT	48503
LG07904	2/2/2016	Lead	0	Copper	0				FLINT	48503
LG00862	1/20/2016	Lead	0	Copper	0				FLINT	48503
LG08314	2/3/2016	Lead	3	Copper	50				FLINT	48503
LG09657	2/5/2016	Lead	1	Copper	0				FLINT	48503
LG03724	1/25/2016	Lead	0	Copper	110				FLINT	48503
LG04753	1/27/2016	Lead	2	Copper	90				FLINT	48503
LG07742	2/2/2016	Lead	4	Copper	0				FLINT	48503
LF87378	10/13/2015	Lead	0	Copper	0				FLINT	48503
LG07405	2/2/2016	Lead	7	Copper	130				FLINT	48503
LG02942	1/23/2016	Lead	0	Copper	0				FLINT	48503
LG00947	1/20/2016	Lead	0	Copper	0			tEET	FLINT	48503
LG03618	1/25/2016	Lead	0	Copper	0			LEET	FLINT	48503
LG02685	1/23/2016	Lead	0	Copper	0			E CT	FLINT	48532
LG01953	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG02011	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG04527	1/26/2016	Lead	2	Copper	0				FLINT	48506
LG06375	1/30/2016	Lead	1	Copper	90				FLINT	48506
LG08411	2/3/2016	Lead	1	Copper	50				FLINT	48506
LG03549	1/25/2016	Lead	0	Copper	0				FLINT	48503
LF94297	12/2/2015	Lead	2	Copper	60				FLINT	48503
LG04798	1/27/2016	Lead	2	Copper	50				FLINT	48503
LG01334	1/21/2016	Lead	0	Copper	0			DR	FLINT	48503
LG09093	2/4/2016	Lead	13	Copper	60			DR	FLINT	48503
LG07473	2/2/2016	Lead	0	Copper	50			DR	FLINT	48503
LG04780	1/27/2016	Lead	0	Copper	0			DR	FLINT	48503
LG10258	2/6/2016	Lead	[redacted]	Copper	280			DR	FLINT	48503
LG09133	2/4/2016	Lead	0	Copper	0			DR	FLINT	48503
LG09467	2/4/2016	Lead	0	Copper	0			DR	FLINT	48503
LG06543	1/31/2016	Lead	0	Copper	0			DR	FLINT	48503
LG06269	1/30/2016	Lead	2	Copper	80			DR	FLINT	48503
LG03066	1/24/2016	Lead	3	Copper	0				FLINT	48506
LG09786	2/5/2016	Lead	4	Copper	60			E	FLINT	48506
LG08673	2/3/2016	Lead	0	Copper	490				FLINT	48506
LG06875	2/1/2016	Lead	2	Copper	160				FLINT	48503
LG04061	1/26/2016	Lead	0	Copper	120				FLINT	48503
LG05043	1/27/2016	Lead	10	Copper	[redacted]				FLINT	48503
LG04886	1/27/2016	Lead	0	Copper	0			)R	FLINT	48532
LF99985	1/15/2016	Lead	1	Copper	130				FLINT	48507
LG06812	2/1/2016	Lead	1	Copper	0				FLINT	48507
LG07060	2/1/2016	Lead	2	Copper	130			)R	FLINT	48507
LG03140	1/24/2016	Lead	[redacted]	Copper	[redacted]			)R	FLINT	48507
LG10159	2/6/2016	Lead	1	Copper	90			)R	FLINT	48507
LF99943	1/15/2016	Lead	0	Copper	130			)R		
LG01180	1/21/2016	Lead	3	Copper	100			)R	FLINT	48507
LG06586	1/31/2016	Lead	0	Copper	130			)R	FLINT	48507
LG06864	2/1/2016	Lead	2	Copper	0			)R	FLINT	48507
LG06433	1/30/2016	Lead	0	Copper	0			)R	FLINT	48507
LG03043	1/24/2016	Lead	[redacted]	Copper	180			)R	FLINT	48507
LG09687	2/5/2016	Lead	[redacted]	Copper	150			)R	FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01923	1/21/2016	Lead	1	Copper	80		R	FLINT	
LG05121	1/27/2016	Lead	1	Copper	110		R	FLINT	48507
LG04196	1/26/2016	Lead	0	Copper	90		R	FLINT	48507
LG08757	2/3/2016	Lead	0	Copper	130		RIVE	FLINT	48507
LG03708	1/25/2016	Lead	0	Copper	0		RIVE	FLINT	48507
LG02828	1/23/2016	Lead	0	Copper	70		RIVE	FLINT	48507
LG05581	1/28/2016	Lead	2	Copper	50		RIVE	FLINT	48507
LG08275	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG05924	1/29/2016	Lead	2	Copper	0			FLINT	48507
LG07568	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG03732	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG05170	1/27/2016	Lead	6	Copper	80			FLINT	48503
LG05175	1/27/2016	Lead	4	Copper	60			FLINT	
LG06356	1/30/2016	Lead	0	Copper	120			FLINT	48503
LG05162	1/27/2016	Lead	7	Copper	90			FLINT	48503
LF93585	11/24/2015	Lead	2	Copper	0			FLINT	48503
LG05720	1/28/2016	Lead	0	Copper	0			FLINT	
LF93578	11/24/2015	Lead	0	Copper	50			FLINT	48503
LG01927	1/21/2016	Lead	3	Copper	50			FLINT	48503
LG06822	2/1/2016	Lead	[redacted]	Copper	220			FLINT	48503
LG06729	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06440	1/30/2016	Lead	[redacted]	Copper	70			FLINT	48506
LG03498	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG02949	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02952	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG08379	2/3/2016	Lead	0	Copper	0			FLINT	
LG04217	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG08560	2/3/2016	Lead	1	Copper	470			FLINT	48503
LG10127	2/6/2016	Lead	6	Copper	0			FLINT	48503
LG05268	1/27/2016	Lead	[redacted]	Copper	230			FLINT	48503
LG08682	2/3/2016	Lead	0	Copper	110			FLINT	48503
LG03575	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG06549	1/31/2016	Lead	9	Copper	120			FLINT	48503
LG05933	1/29/2016	Lead	0	Copper	90			FLINT	48503
LG06633	1/31/2016	Lead	3	Copper	110			FLINT	48503
LG07692	2/2/2016	Lead	3	Copper	0			FLINT	48503
LG09933	2/5/2016	Lead	2	Copper	0			FLINT	48503
LG04239	1/26/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG01313	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01349	1/21/2016	Lead	[redacted]	Copper	120			FLINT	48503
LG02779	1/23/2016	Lead	7	Copper	0		VE	FLINT	48503
LG05990	1/29/2016	Lead	0	Copper	0		VE	FLINT	48503
LG03764	1/25/2016	Lead	0	Copper	110		VE	FLINT	48503
LG01261	1/21/2016	Lead	3	Copper	0		/E	FLINT	48503
LF99148	1/7/2016	Lead	3	Copper	0			FLINT	
LG04132	1/26/2016	Lead	3	Copper	70			FLINT	48503
LG10173	2/6/2016	Lead	0	Copper	100		VE	FLINT	
LG08720	2/3/2016	Lead	3	Copper	0		VE	FLINT	48503
LG01576	1/21/2016	Lead	4	Copper	80		VE	FLINT	48503
LG07483	2/2/2016	Lead	3	Copper	0		VE	FLINT	48503
LG01474	1/21/2016	Lead	0	Copper	140		VE	FLINT	48503
LF97317	12/18/2015	Lead	3	Copper	50		R	FLINT	48503
LG04597	1/26/2016	Lead	1	Copper	0			FLINT	48504
LG10571	2/7/2016	Lead	5	Copper	0			FLINT	48503
LG07861	2/2/2016	Lead	4	Copper	100			FLINT	48503
LG07594	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG07420	2/2/2016	Lead	2	Copper	120			FLINT	48503
LG02407	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02444	1/22/2016	Lead	[redacted]	Copper	250			FLINT	48503
LG01555	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG09321	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG02026	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG02933	1/23/2016	Lead	0	Copper	130			FLINT	48503
LG04319	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG06219	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG07513	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG01762	1/21/2016	Lead	8	Copper	70			FLINT	48503
LG10228	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG09741	2/5/2016	Lead	0	Copper	0			FLINT	48532
LG01526	1/21/2016	Lead	1	Copper	0			FLINT	48532
LF92711	11/18/2015	Lead	1	Copper	0			FLINT	48532
LG02507	1/22/2016	Lead	[redacted]	Copper	450			FLINT	48532
LG01988	1/21/2016	Lead	10	Copper	50			FLINT	48503
LG05263	1/27/2016	Lead	[redacted]	Copper	70			FLINT	48304
LG06016	1/29/2016	Lead	8	Copper	100			FLINT	
LG02222	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG06932	2/1/2016	Lead	10	Copper	0			FLINT	48504
LG08626	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG06072	1/29/2016	Lead	2	Copper	0		D	FLINT	48504
LG05206	1/27/2016	Lead	1	Copper	0		D	FLINT	48504
LG10475	2/7/2016	Lead	2	Copper	0		D	FLINT	48504
LG00946	1/20/2016	Lead	8	Copper	140		D	FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG08640	2/3/2016	Lead	3	Copper	0		/D	FLINT	48504
LG05204	1/27/2016	Lead	2	Copper	120		/D	FLINT	48504
LG04580	1/26/2016	Lead	5	Copper	0		/D	FLINT	48504
LG03694	1/25/2016	Lead	3	Copper	100		/D	FLINT	48504
LG05611	1/28/2016	Lead	2	Copper	90		/D	FLINT	48504
LF95919	12/10/2015	Lead	2	Copper	100		/D	FLINT	48504
LG04154	1/26/2016	Lead	0	Copper	90		/D	FLINT	48504
LG07415	2/2/2016	Lead	0	Copper	150		/D	FLINT	48504
LG06565	1/31/2016	Lead	0	Copper	0		/D	FLINT	48504
LG05766	1/28/2016	Lead	0	Copper	0		/D	FLINT	48504
LG01548	1/21/2016	Lead	2	Copper	0		/D	FLINT	48504
LG04556	1/26/2016	Lead	0	Copper	0		/D	FLINT	48504
LG05050	1/27/2016	Lead	0	Copper	0		/D	FLINT	48504
LG05740	1/28/2016	Lead	15	Copper	0		/D	FLINT	48504
LG01298	1/21/2016	Lead	0	Copper	0		/D	FLINT	48504
LG10138	2/6/2016	Lead	2	Copper	0		/D	FLINT	48504
LG05987	1/29/2016	Lead	0	Copper	70		/D	FLINT	48504
LG04769	1/27/2016	Lead	4	Copper	50		/D	FLINT	48504
LG10194	2/6/2016	Lead	1	Copper	110		/D	FLINT	48504
LF91274	11/9/2015	Lead	2	Copper	120		/D	FLINT	48504
LG10132	2/6/2016	Lead	3	Copper	80		/D	FLINT	48504
LG08528	2/3/2016	Lead	0	Copper	0		/D	FLINT	48504
LG09122	2/4/2016	Lead	0	Copper	0		E	FLINT	48507
LG08462	2/3/2016	Lead	0	Copper	150		E	FLINT	48507
LG09902	2/5/2016	Lead	[redacted]	Copper	590		E	FLINT	48507
LG01433	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG00587	1/19/2016	Lead	1	Copper	110		E	FLINT	
LF88305	10/20/2015	Lead	1	Copper	0		E	FLINT	48507
LG03510	1/25/2016	Lead	3	Copper	80		E	FLINT	48507
LG02491	1/22/2016	Lead	2	Copper	140		E	FLINT	48507
LG02152	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG03766	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG09419	2/4/2016	Lead	1	Copper	0			FLINT	
LG06197	1/29/2016	Lead	[redacted]	Copper	60			FLINT	
LG06568	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06654	1/31/2016	Lead	1	Copper	0			FLINT	48503
LG07057	2/1/2016	Lead	1	Copper	0			FLINT	48507
LG09661	2/5/2016	Lead	0	Copper	130		/E	FLINT	48507
LG07574	2/2/2016	Lead	1	Copper	0		/E	FLINT	48507
LG07578	2/2/2016	Lead	0	Copper	0		/E	FLINT	48507
LG00915	1/20/2016	Lead	0	Copper	0		/E	FLINT	48507
LG07757	2/2/2016	Lead	1	Copper	70		/E	FLINT	48507
LG07689	2/2/2016	Lead	2	Copper	130		/E	FLINT	48507
LG02340	1/22/2016	Lead	1	Copper	100		/E	FLINT	48507
LG02958	1/23/2016	Lead	0	Copper	110		/E	FLINT	48507
LG09755	2/5/2016	Lead	0	Copper	0			FLINT	
LG08467	2/3/2016	Lead	2	Copper	120			FLINT	48503
LG03457	1/25/2016	Lead	0	Copper	0		#1	FLINT	
LG10501	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG06304	1/30/2016	Lead	1	Copper	0			FLINT	48504
LG07095	2/1/2016	Lead	10	Copper	90		L	FLINT	48504
LG08582	2/3/2016	Lead	0	Copper	450			FLINT	48505
LF99147	1/7/2016	Lead	0	Copper	0			FLINT	
LG03102	1/24/2016	Lead	2	Copper	150			FLINT	48507
LG06567	1/31/2016	Lead	10	Copper	90			FLINT	48507
LG09131	2/4/2016	Lead	10	Copper	300			FLINT	48507
LG07875	2/2/2016	Lead	1	Copper	60			FLINT	48507
LG07734	2/2/2016	Lead	0	Copper	60			FLINT	48507
LG05194	1/27/2016	Lead	0	Copper	0			FLINT	48507
LF93559	11/24/2015	Lead	5	Copper	190		#1	FLINT	
LF93552	11/24/2015	Lead	[redacted]	Copper	50		#3	FLINT	48507
LF93553	11/24/2015	Lead	9	Copper	0		#4	FLINT	48507
LG06217	1/29/2016	Lead	0	Copper	0		AVE	FLINT	48507
LF93580	11/24/2015	Lead	0	Copper	0		AVE	FLINT	48507
LG02843	1/23/2016	Lead	0	Copper	220		AVE	FLINT	48507
LF87040	10/8/2015	Lead	[redacted]	Copper	90		AVE	FLINT	48507
LG04546	1/26/2016	Lead	0	Copper	0		AVE	FLINT	48507
LF87379	10/13/2015	Lead	0	Copper	0		AVE	FLINT	
LG03509	1/25/2016	Lead	4	Copper	0		AVE	FLINT	48507
LF87049	10/8/2015	Lead	2	Copper	70		AVE	FLINT	48507
LF87409	10/13/2015	Lead	3	Copper	0		AVE	FLINT	
LG06328	1/30/2016	Lead	0	Copper	190		AVE	FLINT	48507
LF87391	10/13/2015	Lead	2	Copper	70		AVE	FLINT	48507
LG05224	1/27/2016	Lead	0	Copper	70		AVE	FLINT	48507
LG07502	2/2/2016	Lead	2	Copper	0		AVE	FLINT	48507
LG02874	1/23/2016	Lead	1	Copper	0		AVE	FLINT	48507
LG02208	1/21/2016	Lead	0	Copper	60		AVE	FLINT	48507
LG03097	1/24/2016	Lead	3	Copper	50		AVE	FLINT	48507
LG03445	1/25/2016	Lead	0	Copper	90		AVE	FLINT	48507
LG06194	1/29/2016	Lead	6	Copper	320		AVE	FLINT	48507
LG01411	1/21/2016	Lead	1	Copper	0		AVE	FLINT	48507
LG05920	1/29/2016	Lead	0	Copper	110		AVE	FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LG05289	1/27/2016	Lead	0	Copper	50			FLINT	48507
LF93558	11/24/2015	Lead	5	Copper	0			FLINT	48507
LF93551	11/24/2015	Lead	3	Copper	70			FLINT	48507
LF93550	11/24/2015	Lead	0	Copper	0			FLINT	48505
LG05287	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG03166	1/24/2016	Lead	0	Copper	80			FLINT	48505
LG08556	2/3/2016	Lead	0	Copper	220			FLINT	48505
LG06126	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG07658	2/2/2016	Lead	0	Copper	120			FLINT	48505
LG09872	2/5/2016	Lead	0	Copper	550			FLINT	48505
LG01466	1/21/2016	Lead	0	Copper	140			FLINT	48505
LG06204	1/29/2016	Lead	0	Copper	210			FLINT	48505
LG07651	2/2/2016	Lead	0	Copper	380			FLINT	48505
LG02981	1/24/2016	Lead	0	Copper	260		0	FLINT	48505
LG05484	1/28/2016	Lead	0	Copper	310			FLINT	
LG06094	1/29/2016	Lead	0	Copper	340			FLINT	48505
LG01481	1/21/2016	Lead	0	Copper	240			FLINT	48505
LG07789	2/2/2016	Lead	0	Copper	180			FLINT	48505
LG01262	1/21/2016	Lead	0	Copper	60			FLINT	48505
LG07623	2/2/2016	Lead	0	Copper	350		4	FLINT	48505
LG02074	1/21/2016	Lead	2	Copper	80			FLINT	48505
LG07838	2/2/2016	Lead	1	Copper	60			FLINT	48504
LG04408	1/26/2016	Lead	4	Copper	60			FLINT	48504
LG01194	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG03001	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG06302	1/30/2016	Lead	0	Copper	0			FLINT	48504
LG08595	2/3/2016	Lead	0	Copper	60			FLINT	48504
LG02569	1/22/2016	Lead	1	Copper	0		T	FLINT	48504
LG00856	1/20/2016	Lead	0	Copper	0		R	FLINT	48503
LG08269	2/3/2016	Lead	0	Copper	0		R	FLINT	48503
LG03058	1/24/2016	Lead	0	Copper	90		R	FLINT	48503
LG05480	1/28/2016	Lead	2	Copper	0		R #1	FLINT	48503
LG01369	1/21/2016	Lead	0	Copper	0		RIVE	FLINT	48503
LG06218	1/29/2016	Lead	0	Copper	80		RIVE	FLINT	48503
LG06881	2/1/2016	Lead	0	Copper	0		RIVE	FLINT	48503
LG03688	1/25/2016	Lead	3	Copper	110		RIVE	FLINT	
LG02567	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG05155	1/27/2016	Lead	3	Copper	0			FLINT	48506
LG08647	2/3/2016	Lead	4	Copper	200			FLINT	48506
LG06554	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG01284	1/21/2016	Lead	14	Copper	0			FLINT	48503
LG08390	2/3/2016	Lead	2	Copper	0			FLINT	48507
LG01925	1/21/2016	Lead	0	Copper	200			FLINT	48507
LF87057	10/8/2015	Lead	4	Copper	110			FLINT	48507
LG06803	2/1/2016	Lead	1	Copper	110			FLINT	48507
LG05122	1/27/2016	Lead	2	Copper	110			FLINT	48507
LG01426	1/21/2016	Lead	0	Copper	100		E	FLINT	48507
LG01427	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG06067	1/29/2016	Lead	0	Copper	80		E	FLINT	48507
LG03478	1/25/2016	Lead	2	Copper	260		E	FLINT	48507
LG06347	1/30/2016	Lead	1	Copper	0		E	FLINT	48507
LF85610	9/30/2015	Lead	2	Copper	70		E	FLINT	48507
LG00836	1/20/2016	Lead	2	Copper	0		E	FLINT	48507
LG06209	1/29/2016	Lead	0	Copper	0		E	FLINT	48507
LG06648	1/31/2016	Lead	2	Copper	0		E	FLINT	48507
LF95924	12/10/2015	Lead	3	Copper	100		E	FLINT	48507
LG05456	1/28/2016	Lead	2	Copper	0		E	FLINT	48507
LF92706	11/18/2015	Lead	1	Copper	70		E	FLINT	48507
LG08377	2/3/2016	Lead	9	Copper	110		E	FLINT	48507
LG04334	1/26/2016	Lead	0	Copper	60		E	FLINT	48507
LG01963	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG03527	1/25/2016	Lead	3	Copper	70		E	FLINT	48507
LG09836	2/5/2016	Lead	1	Copper	0			FLINT	
LG08739	2/3/2016	Lead	0	Copper	0			FLINT	48504
LF87941	10/16/2015	Lead	5	Copper	500			FLINT	48504
LF99975	1/15/2016	Lead	5	Copper	0			FLINT	48504
LG01879	1/21/2016	Lead	3	Copper	0			FLINT	48504
LG03746	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG09287	2/4/2016	Lead	2	Copper	0			FLINT	48504
LG09353	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG04374	1/26/2016	Lead	[redacted]	Copper	360			FLINT	48504
LG04340	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG01895	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG08764	2/3/2016	Lead	2	Copper	0			FLINT	48504
LG04055	1/26/2016	Lead	11	Copper	540		T	FLINT	48504
LG06945	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG06939	2/1/2016	Lead	5	Copper	0			FLINT	48503
LG05741	1/28/2016	Lead	4	Copper	260			FLINT	48532
LG03715	1/25/2016	Lead	0	Copper	0			FLINT	48532
LG09854	2/5/2016	Lead	0	Copper	60			FLINT	48532
LG05672	1/28/2016	Lead	9	Copper	170			FLINT	48503
LG00598	1/19/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05173	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG06413	1/30/2016	Lead	2	Copper	0			FLINT	48503
LG02770	1/23/2016	Lead	12	Copper	50			FLINT	48503
LG00625	1/19/2016	Lead	2	Copper	90			FLINT	48503
LG01939	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04208	1/26/2016	Lead	0	Copper	70			FLINT	48503
LG04372	1/26/2016	Lead	0	Copper	200			FLINT	48503
LG00599	1/19/2016	Lead	1	Copper	0			FLINT	48503
LG07003	2/1/2016	Lead	0	Copper	70			FLINT	48503
LG09344	2/4/2016	Lead	1	Copper	150			FLINT	48503
LG10067	2/6/2016	Lead	1	Copper	90			FLINT	48503
LG07744	2/2/2016	Lead	3	Copper	60			FLINT	48503
LG08610	2/3/2016	Lead	0	Copper	80			FLINT	48503
LG02060	1/21/2016	Lead	0	Copper	80			FLINT	48503
LG01574	1/21/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48503
LG05596	1/28/2016	Lead	6	Copper	50			FLINT	48503
LG01249	1/21/2016	Lead	2	Copper	70			FLINT	48503
LG06360	1/30/2016	Lead	0	Copper	0		ET	FLINT	48503
LG09461	2/4/2016	Lead	3	Copper	110			FLINT	48507
LG09698	2/5/2016	Lead	5	Copper	300		/E	FLINT	48503
LG09202	2/4/2016	Lead	[redacted]	Copper	170		/E	FLINT	48503
LG04022	1/26/2016	Lead	2	Copper	70		/E	FLINT	48503
LG04020	1/26/2016	Lead	2	Copper	60		/E	FLINT	48503
LG09174	2/4/2016	Lead	[redacted]	Copper	100		/E	FLINT	48503
LF97346	12/18/2015	Lead	5	Copper	140		/E	FLINT	48503
LF94302	12/2/2015	Lead	4	Copper	0		/E	FLINT	48503
LG10156	2/6/2016	Lead	6	Copper	0			FLINT	48507
LG05570	1/28/2016	Lead	1	Copper	50			FLINT	48507
LG00863	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG05560	1/28/2016	Lead	2	Copper	0			FLINT	48507
LG02379	1/22/2016	Lead	10	Copper	300			FLINT	48507
LG09857	2/5/2016	Lead	3	Copper	60			FLINT	48507
LG09844	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG06608	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG00545	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG04160	1/26/2016	Lead	0	Copper	0			FLINT	
LG01323	1/21/2016	Lead	8	Copper	120			FLINT	
LG04514	1/26/2016	Lead	0	Copper	60		#A	FLINT	48507
LG04526	1/26/2016	Lead	3	Copper	160		-B	FLINT	48507
LG09377	2/4/2016	Lead	2	Copper	0			FLINT	48507
LG02796	1/23/2016	Lead	6	Copper	0			FLINT	48507
LG07740	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG00485	1/19/2016	Lead	2	Copper	0			FLINT	48507
LG02864	1/23/2016	Lead	5	Copper	0			FLINT	48507
LG01532	1/21/2016	Lead	2	Copper	190			FLINT	48507
LG04942	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG02318	1/22/2016	Lead	4	Copper	0			FLINT	48507
LG05534	1/28/2016	Lead	5	Copper	0			FLINT	48507-5305
LG03500	1/25/2016	Lead	2	Copper	110			FLINT	48507
LG02791	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG07893	2/2/2016	Lead	2	Copper	0			FLINT	48507
LG04193	1/26/2016	Lead	0	Copper	110			FLINT	48507
LF87048	10/8/2015	Lead	6	Copper	0			FLINT	48504
LG07639	2/2/2016	Lead	0	Copper	0			FLINT	48504
LF99936	1/15/2016	Lead	1	Copper	0				
LG01764	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG08572	2/3/2016	Lead	0	Copper	0			FLINT	48504
LF86515	10/6/2015	Lead	12	Copper	60			FLINT	48504
LG00910	1/20/2016	Lead	0	Copper	0			FLINT	48504
LG04698	1/27/2016	Lead	12	Copper	70			FLINT	48504
LG06454	1/30/2016	Lead	3	Copper	0			FLINT	
LG06397	1/30/2016	Lead	5	Copper	0			FLINT	48504
LG02903	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG07501	2/2/2016	Lead	0	Copper	90			FLINT	48507
LG07575	2/2/2016	Lead	0	Copper	340			FLINT	48507
LG02194	1/21/2016	Lead	5	Copper	140			FLINT	48507
LF99955	1/15/2016	Lead	3	Copper	250				
LG05552	1/28/2016	Lead	12	Copper	230			FLINT	48507
LG10568	2/7/2016	Lead	0	Copper	370			FLINT	48507
LG01403	1/21/2016	Lead	0	Copper	0			FLINT	48507
LF94287	12/2/2015	Lead	0	Copper	0			FLINT	48507
LG06221	1/29/2016	Lead	0	Copper	80			FLINT	48507
LF94301	12/2/2015	Lead	0	Copper	0			FLINT	48507
LG05966	1/29/2016	Lead	1	Copper	0			FLINT	48505
LG01607	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG09403	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG08340	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG05047	1/27/2016	Lead	[redacted]	Copper	170			FLINT	48506
LG08277	2/3/2016	Lead	15	Copper	220		9	FLINT	48506
LG01567	1/21/2016	Lead	[redacted]	Copper	0		-3	FLINT	48506
LG01454	1/21/2016	Lead	0	Copper	0		T	FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09919	2/5/2016	Lead	5	Copper	70			FLINT	48503
LG01689	1/21/2016	Lead	3	Copper	120			FLINT	48503
LG08415	2/3/2016	Lead	4	Copper	90			FLINT	48504
LG02926	1/29/2016	Lead	9	Copper	170			FLINT	48504
LG09987	2/5/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG10507	2/7/2016	Lead	3	Copper	0			FLINT	48504
LG06557	1/31/2016	Lead	2	Copper	70			FLINT	48504
LG00544	1/19/2016	Lead	5	Copper	140			FLINT	48504
LG07967	2/2/2016	Lead	6	Copper	190				
LG07020	2/1/2016	Lead	[redacted]	Copper	140			FLINT	
LG09458	2/4/2016	Lead	6	Copper	80			FLINT	48504
LG02142	1/21/2016	Lead	9	Copper	0		T	FLINT	48504
LG00581	1/19/2016	Lead	3	Copper	0		T	FLINT	48504
LG01572	1/21/2016	Lead	10	Copper	330		T	FLINT	
LG03122	1/24/2016	Lead	2	Copper	0			FLINT	48505
LG06326	1/30/2016	Lead	0	Copper	0		JRT	FLINT	48532
LG10148	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10113	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG06065	1/29/2016	Lead	0	Copper	180			FLINT	48504
LG06327	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG01267	1/21/2016	Lead	[redacted]	Copper	110			FLINT	48505
LG07486	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG09104	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG03810	1/25/2016	Lead	0	Copper	60			FLINT	48504
LG06481	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG04403	1/26/2016	Lead	0	Copper	0			FLINT	48504
LF95926	12/10/2015	Lead	0	Copper	0			FLINT	48504
LF87432	10/13/2015	Lead	0	Copper	0			FLINT	48504
LG02158	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG08320	2/3/2016	Lead	0	Copper	0		STREET	FLINT	48507
LG01014	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG05532	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG01016	1/20/2016	Lead	[redacted]	Copper	200			FLINT	48505
LG06984	2/1/2016	Lead	0	Copper	0			FLINT	48505
LG07762	2/2/2016	Lead	2	Copper	0			FLINT	48505
LG04766	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04499	1/26/2016	Lead	0	Copper	150			FLINT	48505
LG03157	1/24/2016	Lead	0	Copper	90			FLINT	48504
LG03744	1/25/2016	Lead	0	Copper	70			FLINT	48504
LG05226	1/27/2016	Lead	7	Copper	170			FLINT	48503
LG04874	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG03138	1/24/2016	Lead	2	Copper	0			FLINT	48503
LG02463	1/22/2016	Lead	2	Copper	150			FLINT	48503
LG05112	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG03074	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG04149	1/26/2016	Lead	0	Copper	160			FLINT	48504
LG05765	1/28/2016	Lead	0	Copper	60			FLINT	48504
LG08266	2/3/2016	Lead	0	Copper	0			FLINT	
LG04952	1/27/2016	Lead	0	Copper	210			FLINT	48504
LG07519	2/2/2016	Lead	0	Copper	0			FLINT	48519
LG01625	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG08485	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG07726	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG04112	1/26/2016	Lead	1	Copper	0			FLINT	48503
LF87386	10/13/2015	Lead	0	Copper	0			FLINT	48503
LG04506	1/26/2016	Lead	0	Copper	0			FLINT	48503
LF87927	10/16/2015	Lead	0	Copper	0			FLINT	48503
LG01732	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG06150	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06614	1/31/2016	Lead	2	Copper	100			FLINT	48503
LG03602	1/25/2016	Lead	0	Copper	0			FLINT	
LG00577	1/19/2016	Lead	1	Copper	0			FLINT	48503
LG03684	1/25/2016	Lead	12	Copper	110		EET	FLINT	48503
LG02945	1/23/2016	Lead	0	Copper	0		EET	FLINT	48503
LF87388	10/13/2015	Lead	5	Copper	80			FLINT	48507
LG02307	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02909	1/23/2016	Lead	0	Copper	0			FLINT	48507
LF97928	12/29/2015	Lead	0	Copper	0			FLINT	48507
LF97955	12/29/2015	Lead	2	Copper	0			FLINT	
LG01337	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG10544	2/7/2016	Lead	6	Copper	100			FLINT	48507
LG02314	1/22/2016	Lead	0	Copper	50			FLINT	48507
LG04605	1/26/2016	Lead	1	Copper	130			FLINT	48507
LG01779	1/21/2016	Lead	0	Copper	90			FLINT	48507
LF97944	12/29/2015	Lead	0	Copper	0		(BRITA)	FLINT	48507
LG10243	2/6/2016	Lead	0	Copper	0		T	FLINT	48507
LF85862	10/1/2015	Lead	0	Copper	330			FLINT	48503
LG00865	1/20/2016	Lead	0	Copper	230			FLINT	48503
LG05604	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG04145	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG10108	2/6/2016	Lead	2	Copper	60			FLINT	48503
LG09290	2/4/2016	Lead	[redacted]	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG10146	2/6/2016	Lead	[redacted]	Copper	60			FLINT	48505
LG07552	2/2/2016	Lead	3	Copper	0			FLINT	48504
LG08752	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08429	2/3/2016	Lead	2	Copper	70			FLINT	48505
LF93586	11/24/2015	Lead	0	Copper	90		ORTH BOUND)	FLINT	48503
LG04480	1/26/2016	Lead	14	Copper	180			FLINT	48507
LG08290	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG09974	2/5/2016	Lead	1	Copper	60			FLINT	48503
LG05708	1/28/2016	Lead	3	Copper	110			FLINT	48503
LG06322	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG01809	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04825	1/27/2016	Lead	0	Copper	80			FLINT	48503
LG07728	2/2/2016	Lead	0	Copper	170			FLINT	48503
LG07839	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG05633	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG06905	2/1/2016	Lead	3	Copper	60		E	FLINT	48503
LG09268	2/4/2016	Lead	0	Copper	0		E	FLINT	48503
LG03779	1/25/2016	Lead	0	Copper	70		E	FLINT	48503
LG04095	1/26/2016	Lead	0	Copper	90		E	FLINT	48503
LG00903	1/20/2016	Lead	0	Copper	50		E	FLINT	48503
LF99993	1/15/2016	Lead	0	Copper	80			FLINT	48507
LG07786	2/2/2016	Lead	0	Copper	70			FLINT	48507
LG08358	2/3/2016	Lead	2	Copper	90			FLINT	48507
LG03091	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG01713	1/21/2016	Lead	0	Copper	170			FLINT	48507
LG02862	1/23/2016	Lead	0	Copper	0		E	FLINT	48507
LG10545	2/7/2016	Lead	4	Copper	110		E	FLINT	48507
LG00879	1/20/2016	Lead	0	Copper	80		E	FLINT	48507
LG01414	1/21/2016	Lead	0	Copper	110		E	FLINT	48507
LG03496	1/25/2016	Lead	0	Copper	90		E	FLINT	48507
LG05127	1/27/2016	Lead	0	Copper	0		E	FLINT	48507
LG00522	1/19/2016	Lead	0	Copper	70		E	FLINT	48507
LG02042	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG02621	1/22/2016	Lead	0	Copper	0		E	FLINT	48507
LG10231	2/6/2016	Lead	0	Copper	120		E	FLINT	48507
LF88286	10/20/2015	Lead	0	Copper	0		E	FLINT	48507
LF88295	10/20/2015	Lead	0	Copper	0		E	FLINT	48507
LF88298	10/20/2015	Lead	0	Copper	0		E	FLINT	48507
LF88957	10/26/2015	Lead	3	Copper	80		E	FLINT	48507
LG07059	2/1/2016	Lead	0	Copper	0			FLINT	
LF88950	10/26/2015	Lead	0	Copper	0			FLINT	48507
LF88973	10/26/2015	Lead	0	Copper	0			FLINT	48507
LG04473	1/26/2016	Lead	1	Copper	0			FLINT	48507
LG09137	2/4/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG02762	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG09280	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG10584	2/7/2016	Lead	1	Copper	0			FLINT	48506
LG08790	2/3/2016	Lead	3	Copper	200			FLINT	48504
LG01207	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG09129	2/4/2016	Lead	[redacted]	Copper	130			FLINT	48507
LG00955	1/20/2016	Lead	0	Copper	160			BURTON	48529
LG02974	1/23/2016	Lead	4	Copper	130			BURTON	48505
LG02968	1/23/2016	Lead	0	Copper	0			BURTON	48529
LF95933	12/10/2015	Lead	12	Copper	0			FLINT	48507
LG01330	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG02315	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG05450	1/28/2016	Lead	3	Copper	90			FLINT	48507
LG02153	1/21/2016	Lead	0	Copper	100			FLINT	48507
LG09080	2/4/2016	Lead	5	Copper	120			FLINT	48507
LG08731	2/3/2016	Lead	0	Copper	90			FLINT	48507
LG06853	2/1/2016	Lead	0	Copper	60			FLINT	48507
LG02409	1/22/2016	Lead	6	Copper	690			BURTON	48529
LG10570	2/7/2016	Lead	0	Copper	90			BURTON	48529
LG01308	1/21/2016	Lead	0	Copper	150			FLINT	48529
LG01955	1/21/2016	Lead	0	Copper	0			FLINT	48529
LG01951	1/21/2016	Lead	0	Copper	180			BURTON	48529
LG01903	1/21/2016	Lead	0	Copper	220			FLINT	48529
LF97921	12/29/2015	Lead	0	Copper	0			FLINT	48507
LG02624	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02821	1/23/2016	Lead	0	Copper	400			FLINT	48507
LG03461	1/25/2016	Lead	3	Copper	150			FLINT	48507
LG04194	1/26/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48507
LG03127	1/24/2016	Lead	0	Copper	60			FLINT	48507-2823
LG04544	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG02046	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01432	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG09452	2/4/2016	Lead	9	Copper	90			FLINT	48507
LG00613	1/19/2016	Lead	0	Copper	70			FLINT	48507
LG00541	1/19/2016	Lead	1	Copper	0			FLINT	48507
LG04083	1/26/2016	Lead	0	Copper	70		ENUE	FLINT	48507
LG09977	2/5/2016	Lead	6	Copper	100			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG06858	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG08468	2/3/2016	Lead	2	Copper	0		D	FLINT	48503
LG01248	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG09181	2/4/2016	Lead	2	Copper	280			FLINT	48503
LG01871	1/21/2016	Lead	0	Copper	170			FLINT	48503
LG02062	1/21/2016	Lead	[redacted]	Copper	530			FLINT	48503
LF84317	9/23/2015	Lead	1	Copper	0			FLINT	48503
LF95909	12/10/2015	Lead	0	Copper	0			FLINT	48503
LG05248	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG10265	2/6/2016	Lead	0	Copper	140			FLINT	48503
LF87042	10/8/2015	Lead	6	Copper	0			FLINT	48503
LG05234	1/27/2016	Lead	0	Copper	0			FLINT	48503
LF87038	10/8/2015	Lead	8	Copper	70			FLINT	48503
LG04983	1/27/2016	Lead	[redacted]	Copper	100			FLINT	48503
LG07959	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG04500	1/26/2016	Lead	4	Copper	0			FLINT	48503
LG07799	2/2/2016	Lead	2	Copper	90			FLINT	48503
LG08662	2/3/2016	Lead	4	Copper	160			FLINT	
LG05697	1/28/2016	Lead	1	Copper	0			FLINT	48505
LG04051	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG05682	1/28/2016	Lead	2	Copper	0			FLINT	48505
LG09294	2/4/2016	Lead	0	Copper	0			BURTON	48519
LG09132	2/4/2016	Lead	2	Copper	0			BURTON	48519
LG02512	1/22/2016	Lead	0	Copper	0		T.	FLINT	48502
LG04511	1/26/2016	Lead	[redacted]	Copper	90			FLINT	48502
LG05591	1/28/2016	Lead	0	Copper	0			FLINT	48502
LG07463	2/2/2016	Lead	9	Copper	80			FLINT	48502
LG04068	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04416	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG07627	2/2/2016	Lead	2	Copper	0			FLINT	48503
LG01190	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG04756	1/27/2016	Lead	[redacted]	Copper	0			FLINT	48503
LG05073	1/27/2016	Lead	4	Copper	0			FLINT	48503
LG02326	1/22/2016	Lead	0	Copper	0		T 3	FLINT	
LG05767	1/28/2016	Lead	0	Copper	0			FLINT	
LG09423	2/4/2016	Lead	3	Copper	80		T	FLINT	48502
LG09263	2/4/2016	Lead	0	Copper	400		VE	FLINT	
LG09835	2/5/2016	Lead	0	Copper	0			FLINT	
LG09784	2/5/2016	Lead	8	Copper	0		E	FLINT	48506
LG02400	1/22/2016	Lead	3	Copper	220		E	FLINT	
LG09492	2/4/2016	Lead	[redacted]	Copper	0		E	FLINT	48506
LG09921	2/5/2016	Lead	7	Copper	70		E	FLINT	48506
LF85799	10/1/2015	Lead	0	Copper	50		E	FLINT	48506
LG01509	1/21/2016	Lead	0	Copper	0		E	FLINT	48506
LG06457	1/30/2016	Lead	4	Copper	190				48507
LF91289	11/9/2015	Lead	2	Copper	250			FLINT	48507
LG02357	1/22/2016	Lead	2	Copper	180			FLINT	48507
LG03690	1/25/2016	Lead	1	Copper	110			FLINT	48507
LG07930	2/2/2016	Lead	[redacted]	Copper	340			FLINT	48507
LG08453	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG02461	1/22/2016	Lead	7	Copper	160			FLINT	48507
LG02815	1/23/2016	Lead	6	Copper	140			FLINT	48507
LG07800	2/2/2016	Lead	14	Copper	110			FLINT	48507
LG07693	2/2/2016	Lead	3	Copper	70			FLINT	48507
LG03087	1/24/2016	Lead	[redacted]	Copper	230			FLINT	48507
LG00976	1/20/2016	Lead	3	Copper	60			FLINT	48507
LG02792	1/23/2016	Lead	10	Copper	120			FLINT	48507
LG06268	1/30/2016	Lead	2	Copper	0			FLINT	48505
LG05771	1/28/2016	Lead	0	Copper	60			FLINT	48507
LG02110	1/21/2016	Lead	12	Copper	80			FLINT	48507
LF93574	11/24/2015	Lead	4	Copper	50			FLINT	48507
LG03672	1/25/2016	Lead	0	Copper	220			FLINT	48507
LG08644	2/3/2016	Lead	5	Copper	180			FLINT	48507
LG07085	2/1/2016	Lead	0	Copper	190			FLINT	48507
LG06345	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG00617	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG09672	2/5/2016	Lead	6	Copper	120			FLINT	48507
LG05024	1/27/2016	Lead	9	Copper	540			FLINT	48507
LF97348	12/18/2015	Lead	0	Copper	120			FLINT	48507
LG04925	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG06455	1/30/2016	Lead	11	Copper	100			FLINT	48507
LG08392	2/3/2016	Lead	7	Copper	220			FLINT	48507
LG05286	1/27/2016	Lead	1	Copper	0		F 1	FLINT	48507
LG02109	1/21/2016	Lead	3	Copper	130		BOX 1029-48501	FLINT	48507
LG06629	1/31/2016	Lead	0	Copper	260			FLINT	48507
LF99893	1/15/2016	Lead	0	Copper	0			FLINT	48507
LG06646	1/31/2016	Lead	2	Copper	320			FLINT	48507
LG02820	1/23/2016	Lead	4	Copper	120			FLINT	48507
LG07920	2/2/2016	Lead	13	Copper	110			FLINT	48505
LG03830	1/25/2016	Lead	4	Copper	440			FLINT	
LG03802	1/25/2016	Lead	12	Copper	60			FLINT	48503
LG06529	1/31/2016	Lead	0	Copper	0			FLINT	48532

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG09149	2/4/2016	Lead	1	Copper	90			FLINT	48532
LG08419	2/3/2016	Lead	4	Copper	90			FLINT	
LG00962	1/20/2016	Lead	1	Copper	120			FLINT	48532
LG01853	1/21/2016	Lead	3	Copper	200			FLINT	48532
LG07068	2/1/2016	Lead	0	Copper	0		T	FLINT	48503
LG03820	1/25/2016	Lead	1	Copper	70		T	FLINT	48503
LG00473	1/19/2016	Lead	0	Copper	0		T	FLINT	48532
LF88956	10/26/2015	Lead	0	Copper	80		T	FLINT	48532
LG05922	1/29/2016	Lead	0	Copper	80		T	FLINT	48532
LG00471	1/19/2016	Lead	0	Copper	0		T	FLINT	48532
LG07878	2/2/2016	Lead	0	Copper	0		T	FLINT	48532
LG04970	1/27/2016	Lead	0	Copper	90		T	FLINT	48532
LG04973	1/27/2016	Lead	0	Copper	0		T	FLINT	48532
LG07436	2/2/2016	Lead	0	Copper	0		T	FLINT	48532
LG04870	1/27/2016	Lead	0	Copper	140			FLINT	48503
LG06200	1/29/2016	Lead	4	Copper	80			FLINT	48503
LF84315	9/23/2015	Lead	7	Copper	0			FLINT	48503
LG01318	1/21/2016	Lead	0	Copper	180			FLINT	48503
LG01896	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02578	1/22/2016	Lead	0	Copper	50		T	FLINT	48504
LG03750	1/25/2016	Lead	0	Copper	0		T	FLINT	48506
LG10120	2/6/2016	Lead	2	Copper	60			FLINT	48504
LG10014	2/5/2016	Lead	2	Copper	270			FLINT	48504
LG08384	2/3/2016	Lead	0	Copper	120			FLINT	48504
LG09852	2/5/2016	Lead	0	Copper	110			FLINT	48504
LF87020	10/8/2015	Lead	2	Copper	100			FLINT	48504
LG08407	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG04041	1/26/2016	Lead	3	Copper	60			FLINT	48504
LG07466	2/2/2016	Lead	0	Copper	120			FLINT	48504
LG02560	1/22/2016	Lead	5	Copper	0			FLINT	48504
LG01235	1/21/2016	Lead	14	Copper	110			FLINT	48504
LG00461	1/19/2016	Lead	6	Copper	0			FLINT	48504
LG02616	1/22/2016	Lead	4	Copper	0			FLINT	48504
LG02478	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG00927	1/20/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG01821	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG07950	2/2/2016	Lead	7	Copper	0			FLINT	48504
LG08339	2/3/2016	Lead	[redacted]	Copper	90			FLINT	48504
LG07418	2/2/2016	Lead	[redacted]	Copper	0			FLINT	48504
LG07621	2/2/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48304
LG02332	1/22/2016	Lead	0	Copper	110			FLINT	48504
LG07899	2/2/2016	Lead	2	Copper	0			FLINT	48504
LG04577	1/26/2016	Lead	0	Copper	0			FLINT	48504
LF91277	11/9/2015	Lead	0	Copper	170			FLINT	48504
LG04575	1/26/2016	Lead	3	Copper	110			FLINT	48504
LF87010	10/8/2015	Lead	4	Copper	80			FLINT	48504
LG07850	2/2/2016	Lead	3	Copper	150			FLINT	48504
LG04795	1/27/2016	Lead	3	Copper	180			FLINT	48504
LG06061	1/29/2016	Lead	0	Copper	120			FLINT	48504
LG09266	2/4/2016	Lead	0	Copper	0			FLINT	
LG05974	1/29/2016	Lead	6	Copper	0			FLINT	48504
LG02848	1/23/2016	Lead	[redacted]	Copper	430			FLINT	48504
LG04053	1/26/2016	Lead	2	Copper	90		EET	FLINT	48504
LG07661	2/2/2016	Lead	11	Copper	0		EET	FLINT	48504
LG09788	2/5/2016	Lead	0	Copper	0		VE	FLINT	48503
LG02921	1/23/2016	Lead	0	Copper	120		VE	FLINT	48503
LG10589	2/7/2016	Lead	0	Copper	0		VE	FLINT	48503
LG02165	1/21/2016	Lead	2	Copper	110		VE.	FLINT	48503
LG04044	1/26/2016	Lead	2	Copper	70		VENUE	FLINT	48503
LG07979	2/2/2016	Lead	2	Copper	0		ALL	FLINT	48503
LG02717	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG02487	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02902	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02028	1/21/2016	Lead	[redacted]	Copper	120			FLINT	48507
LG06086	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06198	1/29/2016	Lead	2	Copper	0			FLINT	48507
LG00880	1/20/2016	Lead	10	Copper	0			FLINT	48507
LG01373	1/21/2016	Lead	6	Copper	80			FLINT	48507
LG07985	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG05120	1/27/2016	Lead	7	Copper	0			FLINT	48507
LG06082	1/29/2016	Lead	10	Copper	0			FLINT	48507
LG02147	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01211	1/21/2016	Lead	11	Copper	50			FLINT	48507
LG07755	2/2/2016	Lead	2	Copper	0			FLINT	48507
LG02700	1/23/2016	Lead	0	Copper	50			FLINT	48504
LG01344	1/21/2016	Lead	9	Copper	200			FLINT	48504
LG09745	2/5/2016	Lead	0	Copper	70			FLINT	48504
LG05100	1/27/2016	Lead	0	Copper	270			FLINT	48504
LG06038	1/29/2016	Lead	2	Copper	0			FLINT	48504
LG04986	1/26/2016	Lead	2	Copper	130		ACE	FLINT	48503
LF88324	10/20/2015	Lead	2	Copper	0		PL	FLINT	48503
LG08759	2/3/2016	Lead	2	Copper	0		PLACE	FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG09753	2/5/2016	Lead	5	Copper	50		LACE	FLINT	48503
LG06584	1/31/2016	Lead	0	Copper	0		)R	FLINT	48504
LG06165	1/29/2016	Lead	2	Copper	0		)R	FLINT	48504
LG02355	1/22/2016	Lead	8	Copper	100			FLINT	48504
LG07440	2/2/2016	Lead	1	Copper	0		)R	FLINT	48504
LG07561	2/2/2016	Lead	0	Copper	90		)R	FLINT	48504
LG07858	2/2/2016	Lead	3	Copper	0		)R	FLINT	48504
LG05938	1/29/2016	Lead	0	Copper	90		)R	FLINT	48504
LG02496	1/22/2016	Lead	0	Copper	0		)R	FLINT	
LG05707	1/28/2016	Lead	1	Copper	0		)RIVE	FLINT	48504
LG01346	1/21/2016	Lead	0	Copper	0		)RIVE	FLINT	48504
LG08611	2/3/2016	Lead	0	Copper	60		ANE	FLINT	48532
LG07953	2/2/2016	Lead	0	Copper	0		ANE	FLINT	48532
LG08616	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG01982	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG05463	1/28/2016	Lead	0	Copper	0		#4	FLINT	48532
LG09426	2/4/2016	Lead	10	Copper	100	(		FLINT	48504
LG02845	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG01340	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG09804	2/5/2016	Lead	0	Copper	0			FLINT	48506
LF87370	10/13/2015	Lead	0	Copper	90			FLINT	48506
LG00621	1/19/2016	Lead	[redacted]	Copper	150			FLINT	48506
LG08433	2/3/2016	Lead	2	Copper	80			FLINT	48503
LF84899	9/25/2015	Lead	0	Copper	0			FLINT	48503
LG01975	1/21/2016	Lead	0	Copper	0		)	FLINT	48503
LG01660	1/21/2016	Lead	3	Copper	100		)	FLINT	48503
LF87424	10/13/2015	Lead	1	Copper	130		)	FLINT	48503
LF94270	12/2/2015	Lead	0	Copper	100		)	FLINT	48503
LG06093	1/29/2016	Lead	1	Copper	60		)	FLINT	48503
LG06106	1/29/2016	Lead	0	Copper	0		)	FLINT	48503
LG06111	1/29/2016	Lead	0	Copper	100		)	FLINT	48503
LG09850	2/5/2016	Lead	1	Copper	0		)	FLINT	48503
LG10202	2/6/2016	Lead	0	Copper	0		)	FLINT	48503
LG03794	1/25/2016	Lead	0	Copper	100		)	FLINT	48503
LG02841	1/23/2016	Lead	15	Copper	70			FLINT	48503
LG06277	1/30/2016	Lead	0	Copper	0		E	FLINT	48503
LG08400	2/3/2016	Lead	0	Copper	0		PKWY	FLINT	48503
LG07780	2/2/2016	Lead	0	Copper	0		PKWY	FLINT	
LG01692	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG09250	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG01814	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG05281	1/27/2016	Lead	4	Copper	0			FLINT	48505
LG02117	1/21/2016	Lead	0	Copper	0			FLINT	48505
LF97332	12/18/2015	Lead	0	Copper	0			FLINT	48505
LG10133	2/6/2016	Lead	0	Copper	180			FLINT	48505
LG01558	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG07403	2/2/2016	Lead	8	Copper	0			FLINT	48506
LG09743	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09732	2/5/2016	Lead	0	Copper	0			FLINT	
LG09793	2/5/2016	Lead	0	Copper	0			FLINT	
LF99989	1/15/2016	Lead	0	Copper	0				
LG02566	1/22/2016	Lead	2	Copper	440			FLINT	48506
LF92730	11/28/2015	Lead	0	Copper	0			FLINT	48506
LG03676	1/25/2016	Lead	1	Copper	0			FLINT	48506
LG10574	2/7/2016	Lead	4	Copper	110			FLINT	48506
LG10578	2/7/2016	Lead	1	Copper	200			FLINT	48506
LG10588	2/7/2016	Lead	0	Copper	0			FLINT	
LG05490	1/28/2016	Lead	0	Copper	50			FLINT	48506
LG07834	2/2/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG00972	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG06443	1/30/2016	Lead	0	Copper	180			FLINT	48506
LG01858	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01826	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04771	1/27/2016	Lead	0	Copper	60			FLINT	48506
LG09278	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09390	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG07588	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG05087	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04581	1/26/2016	Lead	1	Copper	290			FLINT	48506
LF86498	10/6/2015	Lead	0	Copper	0			FLINT	48506
LG00923	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG06399	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG04561	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG02556	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG01370	1/21/2016	Lead	0	Copper	100			FLINT	48503
LG00917	1/20/2016	Lead	0	Copper	80			FLINT	48503
LG09694	2/5/2016	Lead	0	Copper	80			FLINT	48503
LG05003	1/27/2016	Lead	0	Copper	240			FLINT	48503
LG00618	1/19/2016	Lead	2	Copper	150		VE	FLINT	
LG01378	1/21/2016	Lead	0	Copper	70		VE	FLINT	48503
LG07835	2/2/2016	Lead	0	Copper	360		IE	FLINT	48503
LG05022	1/27/2016	Lead	0	Copper	110			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LF91275	11/9/2015	Lead	0	Copper	190			FLINT	48503
LF91280	11/9/2015	Lead	0	Copper	190			FLINT	48503
LF91281	11/9/2015	Lead	0	Copper	0			FLINT	
LF91285	11/9/2015	Lead	0	Copper	100			FLINT	48503
LG01212	1/21/2016	Lead	0	Copper	190		NE	FLINT	48503
LG06612	1/31/2016	Lead	0	Copper	140			FLINT	48507
LG02879	1/23/2016	Lead	[redacted]	Copper	[redacted]			FLINT	48507
LG09692	2/5/2016	Lead	2	Copper	120		E	FLINT	48507
LG02375	1/22/2016	Lead	0	Copper	0		E	FLINT	48507
LG03515	1/25/2016	Lead	0	Copper	280		E	FLINT	48507
LF94259	12/2/2015	Lead	0	Copper	100		E	FLINT	
LF94269	12/2/2015	Lead	0	Copper	0		E	FLINT	
LG06222	1/29/2016	Lead	0	Copper	80		E	FLINT	48507
LG09699	2/5/2016	Lead	0	Copper	0		E	FLINT	48507
LG08348	2/3/2016	Lead	3	Copper	80		E	FLINT	48507
LG06349	1/30/2016	Lead	1	Copper	90		E	FLINT	48507
LG02890	1/23/2016	Lead	0	Copper	70		E	FLINT	48507
LG08258	2/3/2016	Lead	0	Copper	90		E	FLINT	48507
LG01343	1/21/2016	Lead	0	Copper	140		E	FLINT	48507
LG02073	1/21/2016	Lead	2	Copper	90		E	FLINT	48507
LG00916	1/20/2016	Lead	2	Copper	0		E	FLINT	48507
LG02591	1/22/2016	Lead	0	Copper	80		E	FLINT	48507
LG03095	1/24/2016	Lead	0	Copper	0		E	FLINT	48507
LG01872	1/21/2016	Lead	5	Copper	50		E	FLINT	48507
LG05636	1/28/2016	Lead	3	Copper	50		E	FLINT	48507
LG01788	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG02897	1/23/2016	Lead	0	Copper	80		E	FLINT	48507
LG09456	2/4/2016	Lead	0	Copper	0		E	FLINT	48507
LG02881	1/23/2016	Lead	0	Copper	0		E	FLINT	48507
LF97319	12/18/2015	Lead	0	Copper	0		E	FLINT	48507
LG08395	2/3/2016	Lead	5	Copper	70		E	FLINT	48507
LG10536	2/7/2016	Lead	2	Copper	50		E	FLINT	48507-1894
LG02071	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG09111	2/4/2016	Lead	5	Copper	110		E	FLINT	48507
LG05247	1/27/2016	Lead	1	Copper	0		E	FLINT	48507
LG02634	1/22/2016	Lead	3	Copper	80		E	FLINT	48507
LG01864	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG03680	1/25/2016	Lead	1	Copper	0		E FLINT MI	FLINT	48507
LG02888	1/23/2016	Lead	0	Copper	80		ENUE	FLINT	48507
LG02372	1/22/2016	Lead	0	Copper	0		LTH AVE	FLINT	48503
LG04498	1/26/2016	Lead	0	Copper	0		LTH AVE	FLINT	48503
LF99152	1/7/2016	Lead	0	Copper	0		TH	FLINT	
LG06915	2/1/2016	Lead	0	Copper	250		TH	FLINT	48503
LG02858	1/23/2016	Lead	[redacted]	Copper	0		TH	FLINT	48503
LG04857	1/27/2016	Lead	0	Copper	0		TH AVE	FLINT	48503
LG08373	2/3/2016	Lead	0	Copper	0		TH AVE	FLINT	48503
LG04261	1/26/2016	Lead	0	Copper	0		TH AVE	FLINT	48503
LG04418	1/26/2016	Lead	0	Copper	0		TH AVE	FLINT	48503
LG02931	1/23/2016	Lead	0	Copper	60		TH AVE	FLINT	48503
LG02994	1/24/2016	Lead	0	Copper	50		TH AVE	FLINT	48503
LG07643	2/2/2016	Lead	0	Copper	90		TH AVE	FLINT	48503
LG04840	1/27/2016	Lead	1	Copper	110		TH AVE	FLINT	48503
LG05913	1/29/2016	Lead	2	Copper	0		TH AVE	FLINT	48503
LG04222	1/26/2016	Lead	1	Copper	160		TH AVE	FLINT	48503
LF99933	1/15/2016	Lead	5	Copper	220		TH AVE		
LG00457	1/19/2016	Lead	2	Copper	60		TH AVE	FLINT	48503
LG07468	2/2/2016	Lead	0	Copper	60		TH AVE	FLINT	48503
LF95927	12/10/2015	Lead	11	Copper	140		TH AVE	FLINT	48503
LG03743	1/25/2016	Lead	0	Copper	0		TH AVE	FLINT	48503
LG02985	1/24/2016	Lead	0	Copper	0		TH AVE	FLINT	48503
LG00944	1/20/2016	Lead	[redacted]	Copper	190			FLINT	48504
LG08447	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG05513	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05279	1/27/2016	Lead	0	Copper	0			FLINT	
LG10561	2/7/2016	Lead	0	Copper	140			FLINT	48504
LG06877	2/1/2016	Lead	4	Copper	110			FLINT	48504
LG04360	1/26/2016	Lead	0	Copper	0				48504
LG05623	1/28/2016	Lead	2	Copper	0			FLINT	48504
LG08398	2/3/2016	Lead	1	Copper	50		NUE	FLINT	48504
LG09722	2/5/2016	Lead	0	Copper	160			FLINT	48505
LG08322	2/3/2016	Lead	3	Copper	120			FLINT	48504
LG05009	1/27/2016	Lead	3	Copper	0			FLINT	48504
LG00935	1/20/2016	Lead	4	Copper	0			FLINT	48505
LG00942	1/20/2016	Lead	2	Copper	0			FLINT	48504
LG07402	2/2/2016	Lead	0	Copper	140			FLINT	48504
LG09763	2/5/2016	Lead	1	Copper	110			FLINT	48504
LG03038	1/24/2016	Lead	1	Copper	0			FLINT	48504
LG10142	2/6/2016	Lead	11	Copper	80			FLINT	48504
LG09210	2/4/2016	Lead	0	Copper	70			FLINT	48504
LG04518	1/26/2016	Lead	14	Copper	60			FLINT	48504
LG07541	2/2/2016	Lead	3	Copper	80			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG04816	1/27/2016	Lead	0	Copper	0		FLINT	48504
LF85615	9/30/2015	Lead	4	Copper	120		FLINT	48504
LG05251	1/27/2016	Lead	0	Copper	0		FLINT	48504
LG04869	1/27/2016	Lead	2	Copper	210		FLINT	48504
LF91269	11/9/2015	Lead	1	Copper	150		FLINT	48504
LG07546	2/2/2016	Lead	12	Copper	380		FLINT	48504
LF94272	12/2/2015	Lead	0	Copper	0		FLINT	48504
LF94283	12/2/2015	Lead	1	Copper	130		FLINT	48504
LG02363	1/22/2016	Lead	2	Copper	200		FLINT	
LG02817	1/23/2016	Lead	3	Copper	70		FLINT	48504
LG02854	1/23/2016	Lead	1	Copper	180		FLINT	48504
LG06816	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG02395	1/22/2016	Lead	0	Copper	0		FLINT	
LG02724	1/23/2016	Lead	1	Copper	0	EET	FLINT	48504
LG07906	2/2/2016	Lead	0	Copper	60		BURTON	48529
LG10058	2/6/2016	Lead	0	Copper	0		FLINT	48506
LG03507	1/25/2016	Lead	0	Copper	70		FLINT	48503
LG10567	2/7/2016	Lead	2	Copper	0	D	FLINT	48503
LG05267	1/27/2016	Lead	0	Copper	0	D		48503
LF88972	10/26/2015	Lead	5	Copper	0	D	FLINT	48503
LG03567	1/25/2016	Lead	13	Copper	0	D	FLINT	
LG02018	1/21/2016	Lead	0	Copper	130	D	FLINT	48504
LG03751	1/25/2016	Lead	10	Copper	170	D	FLINT	48504
LG06287	1/30/2016	Lead	2	Copper	0	D	FLINT	48504
LG01696	1/21/2016	Lead	2	Copper	0	D	FLINT	48504
LG03501	1/25/2016	Lead	2	Copper	60	D	FLINT	48504
LG04181	1/26/2016	Lead	2	Copper	0	D	FLINT	48504
LG02382	1/22/2016	Lead	[redacted]	Copper	0	D	FLINT	48504
LG08443	2/3/2016	Lead	2	Copper	0	D	FLINT	48504
LG01455	1/21/2016	Lead	3	Copper	90	D	FLINT	48504
LG09470	2/4/2016	Lead	8	Copper	60	D	FLINT	48504
LG05911	1/29/2016	Lead	2	Copper	0	D	FLINT	48504
LG05136	1/27/2016	Lead	0	Copper	120		FLINT	48532
LG07577	2/2/2016	Lead	0	Copper	0		MT MORRIS	48458
LG04090	1/26/2016	Lead	9	Copper	50		FLINT	48503
LG02351	1/22/2016	Lead	0	Copper	0		FLINT	48532
LG08707	2/3/2016	Lead	2	Copper	0		FLINT	48503
LG02134	1/21/2016	Lead	8	Copper	0		FLINT	48503
LG09081	2/4/2016	Lead	2	Copper	0		FLINT	48503
LG01983	1/21/2016	Lead	3	Copper	110		FLINT	48503
LG08576	2/3/2016	Lead	2	Copper	0		FLINT	48503
LG10252	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG06830	2/1/2016	Lead	4	Copper	0		FLINT	48503
LG02786	1/23/2016	Lead	0	Copper	0		FLINT	48532
LG05114	1/27/2016	Lead	0	Copper	70		FLINT	48532
LG09392	2/4/2016	Lead	4	Copper	130	APT 1	FLINT	48503
LG02343	1/22/2016	Lead	0	Copper	0	AD	FLINT	48503
LG02734	1/23/2016	Lead	3	Copper	0	AD	FLINT	48503
LF86494	10/6/2015	Lead	4	Copper	0		FLINT	48503
LG00009	1/15/2016	Lead	0	Copper	190		FLINT	48506
LG05601	1/28/2016	Lead	0	Copper	0		FLINT	48503
LG06525	1/31/2016	Lead	5	Copper	100	URT	FLINT	48503
LG02151	1/21/2016	Lead	0	Copper	0		FLINT	48503
LF85859	10/1/2015	Lead	6	Copper	150		FLINT	48503
LF94292	12/2/2015	Lead	3	Copper	120		FLINT	48503
LG01389	1/21/2016	Lead	4	Copper	120		FLINT	48503
LG00925	1/20/2016	Lead	0	Copper	130	ONS TR	FLINT	48532
LG06414	1/30/2016	Lead	2	Copper	0		BURTON	48509
LG02990	1/24/2016	Lead	0	Copper	0		BURTON	48509
LG04828	1/27/2016	Lead	0	Copper	0	URT GENESEEVILLE MI	FLINT	48506-5216
LG02177	1/21/2016	Lead	0	Copper	0		FLINT	48506
LG07052	2/1/2016	Lead	7	Copper	90		FLINT	48506
LG07471	2/2/2016	Lead	3	Copper	60		FLINT	48506
LG00572	1/19/2016	Lead	0	Copper	0		FLINT	48506
LG10107	2/6/2016	Lead	2	Copper	70		FLINT	48506
LF99920	1/15/2016	Lead	3	Copper	0			48506
LG07732	2/2/2016	Lead	0	Copper	0		FLINT	48506
LG06478	1/31/2016	Lead	2	Copper	150		FLINT	48506
LG06370	1/30/2016	Lead	0	Copper	0		FLINT	48506
LG02019	1/21/2016	Lead	0	Copper	0		FLINT	48506
LG02518	1/22/2016	Lead	1	Copper	0		FLINT	48506
LF89520	10/30/2015	Lead	0	Copper	70		FLINT	48506
LF89525	10/30/2015	Lead	0	Copper	60		FLINT	48506
LG07665	2/2/2016	Lead	0	Copper	0		FLINT	48506
LF99939	1/15/2016	Lead	0	Copper	0		FLINT	
LG06446	1/30/2016	Lead	0	Copper	0		FLINT	48506
LG02809	1/23/2016	Lead	0	Copper	0		FLINT	48506
LG04487	1/26/2016	Lead	1	Copper	70		FLINT	48506
LG01679	1/21/2016	Lead	0	Copper	0		FLINT	48506
LF99911	1/15/2016	Lead	0	Copper	0		FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG06998	2/1/2016	Lead	1	Copper	0			FLINT	48506
LG05492	1/28/2016	Lead	0	Copper	70			FLINT	48506
LG04338	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG01324	1/21/2016	Lead	3	Copper	170		T	FLINT	48503
LG01623	1/21/2016	Lead	2	Copper	80		T	FLINT	48503
LG06035	1/29/2016	Lead	9	Copper	0		STATES LOT #3	FLINT	48506
LG02894	1/23/2016	Lead	1	Copper	120		R	FLINT	48507
LG04949	1/27/2016	Lead	3	Copper	60		T	FLINT	48505
LG06747	2/1/2016	Lead	3	Copper	50		R	FLINT	48505
LG06970	2/1/2016	Lead	0	Copper	0		R	FLINT	48505
LG03453	1/25/2016	Lead	0	Copper	70		R	FLINT	
LG03454	1/25/2016	Lead	0	Copper	0		R	FLINT	48505
LG04268	1/26/2016	Lead	0	Copper	0		R	FLINT	48505
LG05738	1/28/2016	Lead	[redacted]	Copper	0		R	FLINT	48505
LG06846	2/1/2016	Lead	0	Copper	220		R	FLINT	48505
LG10174	2/6/2016	Lead	0	Copper	120		R	FLINT	48505
LG07829	2/2/2016	Lead	0	Copper	80		R	FLINT	48505
LG08257	2/3/2016	Lead	1	Copper	70		RIVE	FLINT	48505
LG09330	2/4/2016	Lead	2	Copper	0		RIVE	FLINT	48505
LF93575	11/14/2015	Lead	[redacted]	Copper	0			FLINT	
LG03023	1/24/2016	Lead	5	Copper	0			FLINT	48503
LG09151	2/4/2016	Lead	14	Copper	130			FLINT	48503
LF88971	10/26/2015	Lead	2	Copper	0			FLINT	48503
LG03081	1/24/2016	Lead	2	Copper	0			FLINT	48503
LG02893	1/23/2016	Lead	4	Copper	60			FLINT	48507
LG01257	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG00905	1/20/2016	Lead	2	Copper	0			FLINT	48507
LG09284	2/4/2016	Lead	1	Copper	60			FLINT	48505
LG06640	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG01629	1/21/2016	Lead	3	Copper	120			FLINT	48507
LG02115	1/21/2016	Lead	2	Copper	120			FLINT	48507
LG06062	1/29/2016	Lead	1	Copper	0			FLINT	48507
LG04197	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG01216	1/21/2016	Lead	0	Copper	50			FLINT	48507
LG03465	1/25/2016	Lead	13	Copper	0			FLINT	48507
LG02906	1/23/2016	Lead	3	Copper	0			FLINT	***
LG01741	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG06634	1/31/2016	Lead	2	Copper	60			FLINT	48507
LG02914	1/23/2016	Lead	1	Copper	0			FLINT	48507
LG06662	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06294	1/30/2016	Lead	1	Copper	0			FLINT	48507
LF97327	12/18/2015	Lead	1	Copper	60			FLINT	
LG02466	1/22/2016	Lead	0	Copper	110			FLINT	48507
LG07559	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG10531	2/7/2016	Lead	5	Copper	0			FLINT	48507
LG05145	1/27/2016	Lead	3	Copper	0			FLINT	48507
LG05143	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05573	1/28/2016	Lead	2	Copper	0			FLINT	48507
LG04179	1/26/2016	Lead	0	Copper	0			FLINT	
LG01416	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG06823	2/1/2016	Lead	[redacted]	Copper	770		REET	FLINT	48507
LG02536	1/22/2016	Lead	0	Copper	0		REET	FLINT	48507
LG01771	1/21/2016	Lead	0	Copper	0		REET	FLINT	48507
LF99160	1/7/2016	Lead	1	Copper	180			FLINT	48503
LF91273	11/9/2015	Lead	0	Copper	100			FLINT	48503
LG03088	1/24/2016	Lead	0	Copper	100		/E	FLINT	48503
LG10271	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG06876	2/1/2016	Lead	2	Copper	180			FLINT	48507
LG09302	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09296	2/4/2016	Lead	6	Copper	0			FLINT	48507
LF87065	10/8/2015	Lead	9	Copper	0			FLINT	
LG01600	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG06814	2/1/2016	Lead	8	Copper	150		A	FLINT	48507
LG06313	1/30/2016	Lead	3	Copper	0		AKE	FLINT	48507
LG08793	2/3/2016	Lead	0	Copper	430		ANE	FLINT	48507
LG01358	1/21/2016	Lead	0	Copper	0		ANE	FLINT	48507
LG03148	1/24/2016	Lead	2	Copper	60		ANE	FLINT	48507
LG04940	1/27/2016	Lead	0	Copper	0		ANE	FLINT	48507
LG03728	1/25/2016	Lead	0	Copper	100		ANE	FLINT	48507
LG03659	1/25/2016	Lead	0	Copper	210		ANE	FLINT	
LG03085	1/24/2016	Lead	3	Copper	100		ANE	FLINT	48507
LG09241	2/4/2016	Lead	0	Copper	170		ANE	FLINT	48507
LG06195	1/29/2016	Lead	14	Copper	150		ANE	FLINT	48507
LG04118	1/26/2016	Lead	8	Copper	120		ANE	FLINT	48507
LG04474	1/26/2016	Lead	0	Copper	0		N	FLINT	48507
LG10245	2/6/2016	Lead	0	Copper	0		N	FLINT	48502
LG05027	1/27/2016	Lead	2	Copper	100		N	FLINT	48507
LG04792	1/27/2016	Lead	0	Copper	0		N	FLINT	48507
LG02425	1/22/2016	Lead	0	Copper	0		N	FLINT	48507
LG06043	1/29/2016	Lead	0	Copper	150		N	FLINT	48507
LG04468	1/26/2016	Lead	0	Copper	0		N	FLINT	48507
LG05298	1/27/2016	Lead	1	Copper	0		N	FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG10019	2/5/2016	Lead	5	Copper	90	N	FLINT	48507
LG08562	2/3/2016	Lead	0	Copper	130	N	FLINT	48507
LG08541	2/3/2016	Lead	0	Copper	0	N	FLINT	48507
LG03489	1/25/2016	Lead	0	Copper	90	N	FLINT	48507
LG01277	1/21/2016	Lead	4	Copper	100	N	FLINT	48507
LF85858	10/1/2015	Lead	2	Copper	0	R	FLINT	48503
LF85935	10/2/2015	Lead	[redacted]	Copper	290	R	FLINT	48503
LG04305	1/26/2016	Lead	0	Copper	0	R	FLINT	48503
LG05594	1/28/2016	Lead	0	Copper	0	R	FLINT	48503
LG10275	2/6/2016	Lead	0	Copper	0	R	FLINT	48503
LG06625	1/31/2016	Lead	3	Copper	240	D	FLINT	48503
LG09747	2/5/2016	Lead	11	Copper	0		FLINT	48505
LG10510	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG03096	1/24/2016	Lead	6	Copper	80		FLINT	48503
LG04114	1/26/2016	Lead	2	Copper	0		FLINT	48503
LG04047	1/26/2016	Lead	2	Copper	0		FLINT	48503
LG01488	1/21/2016	Lead	5	Copper	0		FLINT	48503
LG06929	2/1/2016	Lead	4	Copper	180		FLINT	48503
LG07935	2/2/2016	Lead	0	Copper	0		FLINT	
LG05448	1/28/2016	Lead	0	Copper	100		FLINT	
LG07602	2/2/2016	Lead	3	Copper	150	E	FLINT	48503
LG09782	2/5/2016	Lead	2	Copper	0	E	FLINT	48503
LG07497	2/2/2016	Lead	5	Copper	80	E	FLINT	48503
LG06553	1/31/2016	Lead	0	Copper	0	ENUE	FLINT	48503
LG03136	1/24/2016	Lead	0	Copper	0		FLINT	48506
LG09897	2/5/2016	Lead	2	Copper	0		FLINT	48506
LG10268	2/6/2016	Lead	2	Copper	150	E	FLINT	48503
LG04368	1/26/2016	Lead	5	Copper	100	E	FLINT	48503
LG05040	1/27/2016	Lead	4	Copper	180	E	FLINT	48503
LG01400	1/21/2016	Lead	3	Copper	170		FLINT	48503
LF92704	11/18/2015	Lead	4	Copper	90		FLINT	48503
LF86517	10/6/2015	Lead	5	Copper	90		FLINT	48503
LG06834	2/1/2016	Lead	0	Copper	240		FLINT	48503
LG02901	1/23/2016	Lead	4	Copper	0		FLINT	48507
LG09148	2/4/2016	Lead	4	Copper	80	E	FLINT	48503
LG07064	2/1/2016	Lead	0	Copper	0		FLINT	48503
LF99966	1/15/2016	Lead	2	Copper	0			48503
LG09415	2/4/2016	Lead	[redacted]	Copper	310		FLINT	
LG02464	1/22/2016	Lead	0	Copper	0		FLINT	48503
LG09430	2/4/2016	Lead	2	Copper	0		FLINT	48503
LG06288	1/30/2016	Lead	2	Copper	0		FLINT	48503
LG01238	1/21/2016	Lead	0	Copper	0		FLINT	48503
LG04103	1/26/2016	Lead	0	Copper	0	UE	FLINT	48503
LG05134	1/27/2016	Lead	[redacted]	Copper	1,080		FLINT	48507
LG05693	1/28/2016	Lead	1	Copper	0		FLINT	48507
LG06638	1/31/2016	Lead	0	Copper	0		FLINT	48507
LG01421	1/21/2016	Lead	4	Copper	120		FLINT	48507
LG06084	1/29/2016	Lead	0	Copper	0		FLINT	48507
LG09219	2/4/2016	Lead	12	Copper	140		FLINT	48507
LG02035	1/21/2016	Lead	3	Copper	0		FLINT	48507
LG07459	2/2/2016	Lead	0	Copper	320		FLINT	48507
LG07573	2/2/2016	Lead	2	Copper	120		FLINT	48507
LG06428	1/30/2016	Lead	3	Copper	130		FLINT	48507
LG09303	2/4/2016	Lead	10	Copper	160		FLINT	48507
LG04157	1/26/2016	Lead	6	Copper	150		FLINT	48507
LG03551	1/25/2016	Lead	0	Copper	0	ST	FLINT	48507
LF93583	11/24/2015	Lead	2	Copper	0		FLINT	48507
LG06657	1/31/2016	Lead	1	Copper	0	ST	FLINT	48507
LG01715	1/21/2016	Lead	[redacted]	Copper	240	ST	FLINT	48507
LG07795	2/2/2016	Lead	4	Copper	0	ST	FLINT	48507
LG00472	1/19/2016	Lead	0	Copper	0	ST	FLINT	48507
LG06467	1/31/2016	Lead	0	Copper	0	ST	FLINT	48507
LG02880	1/23/2016	Lead	0	Copper	0	ST	FLINT	48507
LG03462	1/25/2016	Lead	0	Copper	0	ST	FLINT	48507
LG04347	1/26/2016	Lead	[redacted]	Copper	0	ST	FLINT	48507
LG03469	1/25/2016	Lead	1	Copper	0	ST	FLINT	48507
LF99971	1/15/2016	Lead	0	Copper	0	ST	FLINT	48507
LG04320	1/26/2016	Lead	0	Copper	0	ST	FLINT	48507
LG08452	2/3/2016	Lead	0	Copper	0	ST APT 2	FLINT	48507
LG04176	1/26/2016	Lead	[redacted]	Copper	210	STREET	FLINT	48507
LG03623	1/25/2016	Lead	4	Copper	0		FLINT	48506
LG05948	1/29/2016	Lead	4	Copper	0		FLINT	48506
LF87046	10/8/2015	Lead	1	Copper	0		FLINT	48506
LG06301	1/30/2016	Lead	[redacted]	Copper	0		FLINT	48506
LG07717	2/2/2016	Lead	7	Copper	50		FLINT	48506
LG07596	2/2/2016	Lead	5	Copper	120		FLINT	48506
LG02572	1/22/2016	Lead	3	Copper	0		FLINT	48506
LG04528	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG03685	1/25/2016	Lead	2	Copper	0		FLINT	48506
LG01285	1/21/2016	Lead	4	Copper	0		FLINT	48506
LG04300	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG00833	1/20/2016	Lead	0	Copper	0		FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG02146	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG03801	1/25/2016	Lead	0	Copper	0			FLINT	
LF87404	10/13/2015	Lead	2	Copper	60			FLINT	48506
LG04327	1/26/2016	Lead	1	Copper	50			FLINT	48506
LG09493	2/4/2016	Lead	1	Copper	110			FLINT	48506
LG10233	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG00509	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG02521	1/22/2016	Lead	2	Copper	200			FLINT	48506
LG01484	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG08676	2/3/2016	Lead	0	Copper	0			FLINT	
LG02391	1/22/2016	Lead	0	Copper	0			FLINT	
LG02744	1/23/2016	Lead	0	Copper	0			FLINT	48506
LF97343	12/18/2015	Lead	1	Copper	60			FLINT	48506
LF93581	11/24/2015	Lead	1	Copper	60			FLINT	•••
LG02998	1/24/2016	Lead	3	Copper	230			FLINT	48506
LG02790	1/23/2016	Lead	0	Copper	130			FLINT	48506
LG07703	2/2/2016	Lead	0	Copper	0			FLINT	
LG05460	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05271	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG09809	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09953	2/5/2016	Lead	1	Copper	0				48506
LG10242	2/6/2016	Lead	0	Copper	60			FLINT	48506
LG09374	2/4/2016	Lead	0	Copper	60			FLINT	48506
LG10593	2/7/2016	Lead	0	Copper	100			FLINT	
LG07714	2/2/2016	Lead	2	Copper	0			FLINT	48506
LG01731	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG02742	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG07538	2/2/2016	Lead	0	Copper	0		PT B	FLINT	48506
LG01812	1/21/2016	Lead	0	Copper	200		UE	FLINT	48506
LG02024	1/21/2016	Lead	0	Copper	110			FLINT	48506
LG03446	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG04201	1/26/2016	Lead	4	Copper	70			FLINT	48506
LG08778	2/3/2016	Lead	1	Copper	60			FLINT	48506
LG03600	1/25/2016	Lead	0	Copper	60			FLINT	48506
LG01401	1/21/2016	Lead	0	Copper	210			FLINT	48506
LG00493	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG03601	1/25/2016	Lead	0	Copper	70			FLINT	48506
LG07764	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG09654	2/5/2016	Lead	[redacted]	Copper	500			FLINT	48506
LG02999	1/24/2016	Lead	2	Copper	0			FLINT	48506
LG02696	1/23/2016	Lead	2	Copper	150			FLINT	48506
LG02499	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG05065	1/27/2016	Lead	0	Copper	270			FLINT	48505
LG06469	1/31/2016	Lead	2	Copper	0			FLINT	48505
LG02713	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG03015	1/24/2016	Lead	1	Copper	0			FLINT	
LG03132	1/24/2016	Lead	0	Copper	0			FLINT	
LG07910	2/2/2016	Lead	11	Copper	0		T	FLINT	48505
LG04289	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG09409	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG05622	1/28/2016	Lead	0	Copper	0			FLINT	48532
LG09772	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG07011	2/1/2016	Lead	[redacted]	Copper	80			FLINT	
LG04263	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG01011	1/20/2016	Lead	3	Copper	0				
LG03555	1/25/2016	Lead	0	Copper	70			FLINT	48532
LG05950	1/29/2016	Lead	1	Copper	0			FLINT	48532
LG07054	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG05949	1/29/2016	Lead	2	Copper	110			FLINT	48505
LG05092	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG09312	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG08608	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG10129	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG02127	1/21/2016	Lead	[redacted]	Copper	0			FLINT	48505
LG04953	1/27/2016	Lead	0	Copper	0			FLINT	
LG07529	2/2/2016	Lead	1	Copper	0			FLINT	48505
LG02951	1/23/2016	Lead	1	Copper	0			FLINT	48506
LG04265	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG02302	1/22/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG05970	1/29/2016	Lead	[redacted]	Copper	100			FLINT	48506
LG08265	2/3/2016	Lead	4	Copper	0			FLINT	48506
LG06494	1/31/2016	Lead	15	Copper	130			FLINT	48506
LG03144	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG06405	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG01500	1/21/2016	Lead	6	Copper	240			FLINT	48505
LG06444	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG08369	2/3/2016	Lead	6	Copper	180			FLINT	48506
LG02381	1/22/2016	Lead	0	Copper	0			FLINT	48439
LG05116	1/27/2016	Lead	0	Copper	0			FLINT	48506
LF92716	11/18/2015	Lead	2	Copper	80			FLINT	48506
LG09770	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG06426	1/30/2016	Lead	0	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG06459	1/30/2016	Lead	0	Copper	210			FLINT	48506
LG09368	2/4/2016	Lead	0	Copper	60			BURTON	48509
LF92707	11/18/2015	Lead	3	Copper	90		#2	FLINT	48506
LG04834	1/27/2016	Lead	[redacted]	Copper	150		FLINT MI	FLINT	48506
LG06577	*1/31/2016*	*Lead*	*0*	*Copper*	*600*			*FLINT*	*48503*
LG10511	2/7/2016	Lead	0	Copper	210			FLINT	48507
LG02916	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG08482	2/3/2016	Lead	0	Copper	370			FLINT	48507
LG01854	1/21/2016	Lead	0	Copper	80			FLINT	48507
LG06820	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG01420	1/21/2016	Lead	0	Copper	50			FLINT	
LG06031	1/29/2016	Lead	2	Copper	100			FLINT	48505
LG04470	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG03030	1/24/2016	Lead	0	Copper	90			FLINT	48507
LG02186	1/21/2016	Lead	0	Copper	120			FLINT	48507
LG08783	2/3/2016	Lead	1	Copper	200			FLINT	48507
LF99949	1/15/2016	Lead	0	Copper	300				48507
LG05541	1/28/2016	Lead	1	Copper	70			FLINT	48507
LG01728	1/21/2016	Lead	0	Copper	260			FLINT	48507
LG09773	2/5/2016	Lead	8	Copper	70			FLINT	48507
LF94278	12/2/2015	Lead	1	Copper	100		E	FLINT	48507
LG04148	1/26/2016	Lead	0	Copper	70		E	FLINT	48507
LG01877	1/21/2016	Lead	0	Copper	0		E	FLINT	48507
LG03536	1/25/2016	Lead	6	Copper	90		ENUE	FLINT	48507
LG02836	1/23/2016	Lead	13	Copper	100		ENUE	FLINT	
LG10154	2/6/2016	Lead	0	Copper	0			FLINT	48507
LF86480	10/6/2015	Lead	0	Copper	170			FLINT	48507
LG04479	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG06591	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG04262	*1/26/2016*	*Lead*	*8*	*Copper*	*110*		/E	*FLINT*	*48507*
LG07753	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07982	2/2/2016	Lead	0	Copper	60			FLINT	48506
LG05165	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG09411	2/4/2016	Lead	1	Copper	0			FLINT	48506
LG02336	1/22/2016	Lead	0	Copper	90			FLINT	48506
LG06109	1/29/2016	Lead	1	Copper	0			FLINT	
LG06627	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG02733	1/23/2016	Lead	3	Copper	50		/E	FLINT	48506
LG07720	2/2/2016	Lead	2	Copper	0		/E	FLINT	48506
LG00576	1/19/2016	Lead	3	Copper	0		/E	FLINT	48506
LG01949	1/21/2016	Lead	0	Copper	230		/E	FLINT	48506
LG09704	2/5/2016	Lead	8	Copper	190		/E	FLINT	
LG06965	2/1/2016	Lead	[redacted]	Copper	90		/E	FLINT	48506
LG08504	2/3/2016	Lead	4	Copper	0		VE	FLINT	48506
LF87043	10/8/2015	Lead	6	Copper	0		VE	FLINT	48506
LG10576	2/7/2016	Lead	0	Copper	0		VE	FLINT	48506
LG01952	1/21/2016	Lead	0	Copper	0		VE	FLINT	48506
LF90462	11/4/2015	Lead	6	Copper	0		VE	FLINT	48506
LG07781	2/2/2016	Lead	[redacted]	Copper	0		VE	FLINT	48506
LG06437	1/30/2016	Lead	[redacted]	Copper	80		VE	FLINT	48506
LG10558	2/7/2016	Lead	0	Copper	0		VE	FLINT	48506
LG04158	1/26/2016	Lead	0	Copper	0		VE	FLINT	48506
LG09404	2/4/2016	Lead	0	Copper	0		VE	FLINT	
LG09948	2/5/2016	Lead	0	Copper	0		VE	FLINT	48506
LG04773	*1/27/2016*	*Lead*	*0*	*Copper*	*0*		VE	*FLINT*	*48506*
LF87938	10/16/2015	Lead	0	Copper	0		VE	FLINT	48506
LG04565	1/26/2016	Lead	2	Copper	0		VE	FLINT	48506
LG02531	1/22/2016	Lead	0	Copper	0		VE	FLINT	48506
LG03448	1/25/2016	Lead	0	Copper	0		VE	FLINT	48506
LG04592	1/26/2016	Lead	0	Copper	0		VE	FLINT	48506
LG02543	1/22/2016	Lead	1	Copper	140		VE	FLINT	48506
LG03565	1/25/2016	Lead	0	Copper	60		VE	FLINT	48506
LG04256	1/26/2016	Lead	0	Copper	0		VE	FLINT	48506
LG09475	2/4/2016	Lead	0	Copper	0		VE	FLINT	48506
LG09483	2/4/2016	Lead	0	Copper	0		VE	FLINT	48506
LG02747	1/23/2016	Lead	0	Copper	0		AVEA	FLINT	48506
LG01514	1/21/2016	Lead	0	Copper	130		AVENUE	FLINT	48506
LG03683	1/25/2016	Lead	0	Copper	0			FLINT	
LG04191	1/26/2016	Lead	4	Copper	250			FLINT	48507
LG06655	1/31/2016	Lead	0	Copper	70			FLINT	
LG09107	2/4/2016	Lead	1	Copper	130			FLINT	
LG05290	1/27/2016	Lead	4	Copper	0			FLINT	48507
LG09985	2/5/2016	Lead	[redacted]	Copper	610			FLINT	48507
LG07976	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07932	2/2/2016	Lead	8	Copper	150			FLINT	48507
LG06341	1/30/2016	Lead	0	Copper	170			FLINT	48507
LG05577	1/28/2016	Lead	9	Copper	80			FLINT	48507
LG00534	1/19/2016	Lead	1	Copper	100			FLINT	48507
LG01914	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG02882	*1/23/2016*	*Lead*	*0*	*Copper*	*0*			*FLINT*	*48507*
LG09684	2/5/2016	Lead	3	Copper	110			FLINT	48507
LG04821	1/27/2016	Lead	2	Copper	110			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LF93565	11/24/2015	Lead	[redacted]	Copper	50			FLINT	48507
LG06014	1/29/2016	Lead	3	Copper	70			FLINT	48507
LG02577	1/22/2016	Lead	2	Copper	110			FLINT	48504
LG04399	1/26/2016	Lead	10	Copper	0			FLINT	48505
LG01863	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG04562	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG07848	2/2/2016	Lead	2	Copper	50			FLINT	48506
LG09997	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG07853	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07845	2/2/2016	Lead	1	Copper	0			FLINT	48506
LG03528	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG07705	2/2/2016	Lead	0	Copper	0		T	FLINT	48504
LG04115	1/26/2016	Lead	0	Copper	0		T	FLINT	48504
LG09142	2/4/2016	Lead	0	Copper	0		T	FLINT	48504
LG10249	2/6/2016	Lead	8	Copper	100		TREET	FLINT	48504
LG04037	1/26/2016	Lead	2	Copper	100			FLINT	48504
LG07767	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG06769	2/1/2016	Lead	9	Copper	0			FLINT	48504
LF85286	9/29/2015	Lead	8	Copper	150			FLINT	48504
LG07450	2/2/2016	Lead	4	Copper	130			FLINT	48504
LG08486	2/3/2016	Lead	3	Copper	50		REET	FLINT	48504-4842
LG08569	2/3/2016	Lead	0	Copper	50			FLINT	48504
LG02421	1/22/2016	Lead	1	Copper	0		NE	FLINT	48506
LG00892	1/20/2016	Lead	0	Copper	160			FLINT	48506
LG03440	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG04110	1/26/2016	Lead	0	Copper	0		I #1	FLINT	48506
LG04564	1/26/2016	Lead	0	Copper	60			SWARTZ CREEK	48473
LG08495	2/3/2016	Lead	2	Copper	0			FLINT	48505
LF85931	10/2/2015	Lead	0	Copper	0		2	FLINT	48504
LG04797	1/27/2016	Lead	0	Copper	0		ILVD	FLINT	48504
LG07962	2/2/2016	Lead	2	Copper	0		ILVD	FLINT	48504
LF85936	10/2/2015	Lead	0	Copper	80		T	FLINT	48504
LG04124	1/26/2016	Lead	5	Copper	70		T	FLINT	48504
LG01443	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG05264	1/27/2016	Lead	0	Copper	90		IEET	FLINT	48504
LG04277	1/26/2016	Lead	0	Copper	110			FLINT	48504
LG08321	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG07958	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG08622	2/3/2016	Lead	0	Copper	140			FLINT	48504
LG10497	2/7/2016	Lead	0	Copper	0		L	FLINT	48504
LF97941	12/29/2015	Lead	0	Copper	140		L	FLINT	48504
LG04249	1/26/2016	Lead	2	Copper	0		L	FLINT	48504
LG01444	1/21/2016	Lead	8	Copper	70		L	FLINT	48504
LG07465	2/2/2016	Lead	2	Copper	210		LACE	FLINT	48504
LG08768	2/3/2016	Lead	4	Copper	0		1	FLINT	48506
LG10106	2/6/2016	Lead	2	Copper	50			FLINT	48506
LG09952	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG07617	2/2/2016	Lead	0	Copper	140			FLINT	48506
LG07667	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07679	2/2/2016	Lead	15	Copper	90			FLINT	48506
LG09352	2/4/2016	Lead	3	Copper	0			FLINT	48506
LG07604	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG01787	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG08773	2/3/2016	Lead	0	Copper	0		#2	FLINT	48506
LG06063	1/29/2016	Lead	0	Copper	0		DR	FLINT	48505
LG04852	1/27/2016	Lead	1	Copper	80			FLINT	48503
LG02331	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG01701	1/21/2016	Lead	10	Copper	80			FLINT	48503
LG07023	2/1/2016	Lead	1	Copper	0			FLINT	48503
LG02434	1/22/2016	Lead	9	Copper	80			FLINT	48506
LG07842	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG03740	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG04310	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG10529	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG09448	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG04851	1/27/2016	Lead	0	Copper	100			FLINT	48504
LG04854	1/27/2016	Lead	2	Copper	0			FLINT	48504
LG04868	1/27/2016	Lead	0	Copper	140			FLINT	48504
LG04159	1/26/2016	Lead	3	Copper	0			FLINT	48504
LG01938	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01958	1/21/2016	Lead	3	Copper	90			FLINT	
LG06578	1/31/2016	Lead	2	Copper	110			FLINT	48504
LG04048	1/26/2016	Lead	3	Copper	0			FLINT	48504
LG01740	1/21/2016	Lead	[redacted]	Copper	220			FLINT	48504
LG04861	1/27/2016	Lead	2	Copper	0			FLINT	48504
LF82707	9/15/2015	Lead	2	Copper	50			FLINT	48504
LF99938	1/15/2016	Lead	1	Copper	60			FLINT	48504
LF87383	10/13/2015	Lead	0	Copper	0			FLINT	48504
LF87419	10/13/2015	Lead	0	Copper	0			FLINT	48504
LF97963	12/29/2015	Lead	4	Copper	70			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted] #	Street Name	City	Zip Code
LG01668	1/21/2016	Lead	3	Copper	110			FLINT	48503
LG01689	1/21/2016	Lead	3	Copper	120			FLINT	48503
LG01697	1/21/2016	Lead	3	Copper	50			FLINT	48505
LG01729	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG01838	1/21/2016	Lead	3	Copper	70			FLINT	48506
LG01853	1/21/2016	Lead	3	Copper	200			FLINT	48532
LG01857	1/21/2016	Lead	3	Copper	0		1	FLINT	48505
LG01879	1/21/2016	Lead	3	Copper	0			FLINT	48504
LG01902	1/21/2016	Lead	3	Copper	60			FLINT	48503
LG01927	1/21/2016	Lead	3	Copper	50			FLINT	48503
LG01942	1/21/2016	Lead	3	Copper	0			FLINT	48504
LG01958	1/21/2016	Lead	3	Copper	90			FLINT	
LG01962	1/21/2016	Lead	3	Copper	70			FLINT	48503
LG01983	1/21/2016	Lead	3	Copper	110			FLINT	48503
LG02013	1/21/2016	Lead	3	Copper	280			FLINT	
LG02035	1/21/2016	Lead	3	Copper	0			FLINT	48507
LG02051	1/21/2016	Lead	3	Copper	150			FLINT	48503
LG02057	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG02083	1/21/2016	Lead	3	Copper	100			FLINT	48507
LG02084	1/21/2016	Lead	3	Copper	180				
LG02090	1/21/2016	Lead	3	Copper	80			FLINT	48504
LG02099	1/21/2016	Lead	3	Copper	120			FLINT	48503
LG02103	1/21/2016	Lead	3	Copper	110			FLINT	48506
LG02109	1/21/2016	Lead	3	Copper	130			FLINT	48507
LG02164	1/21/2016	Lead	3	Copper	50			FLINT	48503
LG02169	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG02175	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG02192	1/21/2016	Lead	3	Copper	0			FLINT	48505
LG02203	1/21/2016	Lead	3	Copper	0				
LG02204	1/21/2016	Lead	3	Copper	0			FLINT	48505
LG02214	1/21/2016	Lead	3	Copper	90			FLINT	48507
LG02225	1/21/2016	Lead	3	Copper	50			FLINT	48506
LG02317	1/22/2016	Lead	3	Copper	0		VE	FLINT	48505
LG02327	1/22/2016	Lead	3	Copper	0			FLINT	48505
LG02338	1/22/2016	Lead	3	Copper	0			FLINT	48507
LG02347	1/22/2016	Lead	3	Copper	80			FLINT	48503
LG02368	1/22/2016	Lead	3	Copper	0			FLINT	48503
LG02376	1/22/2016	Lead	3	Copper	100			FLINT	
LG02400	1/22/2016	Lead	3	Copper	220			FLINT	
LG02412	1/22/2016	Lead	3	Copper	70			FLINT	48507
LG02415	1/22/2016	Lead	3	Copper	110			FLINT	48504
LG02458	1/22/2016	Lead	3	Copper	100			FLINT	48503
LG02474	1/22/2016	Lead	3	Copper	250			FLINT	48506
LG02492	1/22/2016	Lead	3	Copper	130			FLINT	48504
LG02495	1/22/2016	Lead	3	Copper	120			FLINT	48504
LG02546	1/22/2016	Lead	3	Copper	0			FLINT	48503
LG02572	1/22/2016	Lead	3	Copper	0			FLINT	48506
LG02583	1/22/2016	Lead	3	Copper	0			FLINT	48504
LG02620	1/22/2016	Lead	3	Copper	70			FLINT	48505
LG02622	1/22/2016	Lead	3	Copper	0			FLINT	48507
LG02634	1/22/2016	Lead	3	Copper	80			FLINT	48507
LG02677	1/23/2016	Lead	3	Copper	0		APT 119A	FLINT	48505
LG02681	1/23/2016	Lead	3	Copper	700			FLINT	48506
LG02689	1/23/2016	Lead	3	Copper	70		NG	FLINT	48505
LG02729	1/23/2016	Lead	3	Copper	0			FLINT	48503
LG02733	1/23/2016	Lead	3	Copper	50			FLINT	48506
LG02734	1/23/2016	Lead	3	Copper	0			FLINT	48503
LG02764	1/23/2016	Lead	3	Copper	0			FLINT	48505
LG02777	1/23/2016	Lead	3	Copper	790			FLINT	48503
LG02807	1/23/2016	Lead	3	Copper	60			FLINT	48504
LG02817	1/23/2016	Lead	3	Copper	70			FLINT	48504
LG02832	1/23/2016	Lead	3	Copper	50			FLINT	48506
LG02850	1/23/2016	Lead	3	Copper	90			FLINT	48505
LG02867	1/23/2016	Lead	3	Copper	120			FLINT	48507
LG02885	1/23/2016	Lead	3	Copper	70			FLINT	48504
LG02906	1/23/2016	Lead	3	Copper	0			FLINT	***
LG02938	1/23/2016	Lead	3	Copper	170			FLINT	48503
LG02965	1/23/2016	Lead	3	Copper	0			FLINT	48503
LG02986	1/24/2016	Lead	3	Copper	100			FLINT	48505
LG02998	1/24/2016	Lead	3	Copper	230			FLINT	48506
LG03021	1/24/2016	Lead	3	Copper	0			FLINT	48503
LG03024	1/24/2016	Lead	3	Copper	0			FLINT	48506
LG03026	1/24/2016	Lead	3	Copper	0			FLINT	48505
LG03066	1/24/2016	Lead	3	Copper	0			FLINT	48506
LG03070	1/24/2016	Lead	3	Copper	90			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG03075	1/24/2016	Lead	3	Copper	220			FLINT	48507
LG03085	1/24/2016	Lead	3	Copper	100			FLINT	48507
LG03089	1/24/2016	Lead	3	Copper	90			FLINT	48507
LG03097	1/24/2016	Lead	3	Copper	50			FLINT	48507
LG03120	1/24/2016	Lead	3	Copper	380			FLINT	48532
LG03125	1/24/2016	Lead	3	Copper	0		108	FLINT	48502
LG03147	1/24/2016	Lead	3	Copper	120			BURTON	48529
LG03461	1/25/2016	Lead	3	Copper	150			FLINT	48507
LG03468	1/25/2016	Lead	3	Copper	0		VE	FLINT	
LG03470	1/25/2016	Lead	3	Copper	0			FLINT	48507
LG03475	1/25/2016	Lead	3	Copper	50			FLINT	48507
LG03484	1/25/2016	Lead	3	Copper	60			FLINT	48507
LG03508	1/25/2016	Lead	3	Copper	0			FLINT	48503
LG03510	1/25/2016	Lead	3	Copper	80			FLINT	48507
LG03527	1/25/2016	Lead	3	Copper	70			FLINT	48507
LG03553	1/25/2016	Lead	3	Copper	60			FLINT	48503
LG03563	1/25/2016	Lead	3	Copper	150			FLINT	48507
LG03566	1/25/2016	Lead	3	Copper	0			FLINT	48505
LG03604	1/25/2016	Lead	3	Copper	150			FLINT	48504
LG03605	1/25/2016	Lead	3	Copper	0			FLINT	48503
LG03631	1/25/2016	Lead	3	Copper	0			FLINT	48503
LG03640	1/25/2016	Lead	3	Copper	60			FLINT	48504
LG03688	1/25/2016	Lead	3	Copper	110			FLINT	
LG03694	1/25/2016	Lead	3	Copper	100			FLINT	48504
LG03695	1/25/2016	Lead	3	Copper	0			FLINT	48506
LG03756	1/25/2016	Lead	3	Copper	0			FLINT	48506
LG03788	1/25/2016	Lead	3	Copper	0			FLINT	48505
LG03807	1/25/2016	Lead	3	Copper	60			FLINT	48506
LG03812	1/25/2016	Lead	3	Copper	60			FLINT	48505
LG03814	1/25/2016	Lead	3	Copper	120			FLINT	48503
LG03821	1/25/2016	Lead	3	Copper	60			FLINT	48506
LG04041	1/26/2016	Lead	3	Copper	60			FLINT	48504
LG04045	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG04048	1/26/2016	Lead	3	Copper	0			FLINT	48504
LG04063	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG04085	1/26/2016	Lead	3	Copper	100			FLINT	
LG04101	1/26/2016	Lead	3	Copper	0			FLINT	48532
LG04116	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG04132	1/26/2016	Lead	3	Copper	70			FLINT	48503
LG04141	1/26/2016	Lead	3	Copper	100			FLINT	48503
LG04152	1/26/2016	Lead	3	Copper	60			FLINT	48504
LG04153	1/26/2016	Lead	3	Copper	80			FLINT	48503
LG04159	1/26/2016	Lead	3	Copper	0			FLINT	48504
LG04168	1/26/2016	Lead	3	Copper	0			FLINT	48506
LG04186	1/26/2016	Lead	3	Copper	0			FLINT	48507
LG04195	1/26/2016	Lead	3	Copper	80			FLINT	48503
LG04198	1/26/2016	Lead	3	Copper	0			FLINT	48507
LG04211	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG04224	1/26/2016	Lead	3	Copper	70			FLINT	48503
LG04248	1/26/2016	Lead	3	Copper	390			FLINT	48504
LG04270	1/26/2016	Lead	3	Copper	130			FLINT	48503
LG04283	1/26/2016	Lead	3	Copper	140			BURTON	48529
LG04291	1/26/2016	Lead	3	Copper	0			FLINT	48506
LG04345	1/26/2016	Lead	3	Copper	280			FLINT	48504
LG04366	1/26/2016	Lead	3	Copper	200			FLINT	48507
LG04404	1/26/2016	Lead	3	Copper	0			FLINT	48504
LG04413	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG04417	1/26/2016	Lead	3	Copper	0			FLINT	48504
LG04509	1/26/2016	Lead	3	Copper	180			FLINT	48503
LG04517	1/26/2016	Lead	3	Copper	170			FLINT	48503
LG04526	1/26/2016	Lead	3	Copper	160			FLINT	48507
LG04534	1/26/2016	Lead	3	Copper	100			FLINT	48503
LG04551	1/26/2016	Lead	3	Copper	90			FLINT	48507
LG04575	1/26/2016	Lead	3	Copper	110			FLINT	48504
LG04585	1/26/2016	Lead	3	Copper	0				
LG04588	1/26/2016	Lead	3	Copper	100			FLINT	48505
LG04591	1/26/2016	Lead	3	Copper	0			FLINT	48503
LG04606	1/26/2016	Lead	3	Copper	90			FLINT	48505
LG04762	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG04788	1/27/2016	Lead	3	Copper	410			FLINT	48507
LG04795	1/27/2016	Lead	3	Copper	180			FLINT	48504
LG04803	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG04815	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG04839	1/27/2016	Lead	3	Copper	90			FLINT	48507
LG04863	1/27/2016	Lead	3	Copper	60			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St[illegible]t #	Street Name	City	Zip Code
LG04866	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG04867	1/27/2016	Lead	3	Copper	0			FLINT	48505
LG04875	1/27/2016	Lead	3	Copper	190			FLINT	48503
LG04880	1/27/2016	Lead	3	Copper	60			FLINT	48504
LG04884	1/27/2016	Lead	3	Copper	180			FLINT	48503
LG04891	1/27/2016	Lead	3	Copper	70		OFC	FLINT	48507
LG04898	1/27/2016	Lead	3	Copper	190		OFC 304	FLINT	48507
LG04914	1/27/2016	Lead	3	Copper	0		OFC 115	FLINT	48507
LG04943	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG04949	1/27/2016	Lead	3	Copper	60			FLINT	48505
LG04975	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG04978	1/27/2016	Lead	3	Copper	0			FLINT	
LG04990	1/27/2016	Lead	3	Copper	200		OFC	FLINT	48507
LG05009	1/27/2016	Lead	3	Copper	0			FLINT	48504
LG05035	1/27/2016	Lead	3	Copper	60			FLINT	48507
LG05039	1/27/2016	Lead	3	Copper	0			FLINT	48503
LG05055	1/27/2016	Lead	3	Copper	120			FLINT	
LG05056	1/27/2016	Lead	3	Copper	0			FLINT	
LG05083	1/27/2016	Lead	3	Copper	190			FLINT	48507
LG05096	1/27/2016	Lead	3	Copper	60			FLINT	48505
LG05110	1/27/2016	Lead	3	Copper	80			FLINT	48505
LG05129	1/27/2016	Lead	3	Copper	70			FLINT	48507
LG05145	1/27/2016	Lead	3	Copper	0			FLINT	48507
LG05155	1/27/2016	Lead	3	Copper	0			FLINT	48506
LG05176	1/27/2016	Lead	3	Copper	0			FLINT	48505
LG05186	1/27/2016	Lead	3	Copper	410			FLINT	48504
LG05238	1/27/2016	Lead	3	Copper	520		#138	FLINT	48507
LG05450	1/28/2016	Lead	3	Copper	90			FLINT	48507
LG05464	1/28/2016	Lead	3	Copper	0			FLINT	48503
LG05487	1/28/2016	Lead	3	Copper	0			FLINT	48506
LG05499	1/28/2016	Lead	3	Copper	0			FLINT	48505
LG05501	1/28/2016	Lead	3	Copper	0			FLINT	48503
LG05508	1/28/2016	Lead	3	Copper	0			FLINT	48506
LG05536	1/28/2016	Lead	3	Copper	300			FLINT	48505
LG05554	1/28/2016	Lead	3	Copper	0			FLINT	48507
LG05555	1/28/2016	Lead	3	Copper	0			FLINT	48529
LG05569	1/28/2016	Lead	3	Copper	0			FLINT	48507
LG05613	1/28/2016	Lead	3	Copper	140			FLINT	48504
LG05620	1/28/2016	Lead	3	Copper	80			FLINT	48503
LG05628	1/28/2016	Lead	3	Copper	200			FLINT	48050
LG05636	1/28/2016	Lead	3	Copper	50			FLINT	48507
LG05676	1/28/2016	Lead	3	Copper	0			FLINT	48506
LG05708	1/28/2016	Lead	3	Copper	110			FLINT	48503
LG05713	1/28/2016	Lead	3	Copper	50			FLINT	48503
LG05714	1/28/2016	Lead	3	Copper	200			FLINT	48503
LG05728	1/28/2016	Lead	3	Copper	250			FLINT	48507
LG05751	1/28/2016	Lead	3	Copper	280			FLINT	48504
LG05971	1/29/2016	Lead	3	Copper	230			FLINT	48503
LG05986	1/29/2016	Lead	3	Copper	0			FLINT	48503
LG05996	1/29/2016	Lead	3	Copper	160		/E	FLINT	48504
LG06011	1/29/2016	Lead	3	Copper	0			FLINT	48503
LG06014	1/29/2016	Lead	3	Copper	70			FLINT	48507
LG06027	1/29/2016	Lead	3	Copper	0				
LG06041	1/29/2016	Lead	3	Copper	90			FLINT	48505
LG06050	1/29/2016	Lead	3	Copper	0			FLINT	48505
LG06099	1/29/2016	Lead	3	Copper	90			FLINT	48507
LG06104	1/29/2016	Lead	3	Copper	90			FLINT	48504
LG06127	1/29/2016	Lead	3	Copper	0			FLINT	48507
LG06213	1/29/2016	Lead	3	Copper	0		E	FLINT	48504
LG06224	1/29/2016	Lead	3	Copper	90			FLINT	48507
LG06263	1/30/2016	Lead	3	Copper	0			FLINT	48504
LG06279	1/30/2016	Lead	3	Copper	50		T	FLINT	48502
LG06281	1/30/2016	Lead	3	Copper	80			FLINT	48503
LG06313	1/30/2016	Lead	3	Copper	0		E	FLINT	48507
LG06316	1/30/2016	Lead	3	Copper	170			FLINT	48507
LG06321	1/30/2016	Lead	3	Copper	80			FLINT	48532
LG06331	1/30/2016	Lead	3	Copper	140			FLINT	48504
LG06351	1/30/2016	Lead	3	Copper	90			FLINT	48507
LG06374	1/30/2016	Lead	3	Copper	200			FLINT	48506
LG06402	1/30/2016	Lead	3	Copper	0			FLINT	48503
LG06427	1/30/2016	Lead	3	Copper	340			FLINT	48503
LG06428	1/30/2016	Lead	3	Copper	130			FLINT	48507
LG06438	1/30/2016	Lead	3	Copper	0			FLINT	48506
LG06454	1/30/2016	Lead	3	Copper	0			FLINT	
LG06474	1/31/2016	Lead	3	Copper	90			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG06491	1/31/2016	Lead	3	Copper	0			FLINT	48505
LG06501	1/31/2016	Lead	3	Copper	320			FLINT	48505
LG06516	1/31/2016	Lead	3	Copper	0			FLINT	48504
LG06520	1/31/2016	Lead	3	Copper	0		DR	FLINT	48503
LG06531	1/31/2016	Lead	3	Copper	210			FLINT	48503
LG06547	1/31/2016	Lead	3	Copper	490		E	FLINT	48503
LG06579	1/31/2016	Lead	3	Copper	0			FLINT	
LG06613	1/31/2016	Lead	3	Copper	0			FLINT	48503
LG06623	1/31/2016	Lead	3	Copper	100			FLINT	48507
LG06625	1/31/2016	Lead	3	Copper	240			FLINT	48503
LG06633	1/31/2016	Lead	3	Copper	110			FLINT	48503
LG06645	1/31/2016	Lead	3	Copper	0			FLINT	48507
LG06647	1/31/2016	Lead	3	Copper	0			FLINT	48503
LG06651	1/31/2016	Lead	3	Copper	120			FLINT	
LG06652	1/31/2016	Lead	3	Copper	0				
LG06732	2/1/2016	Lead	3	Copper	0			FLINT	48502
LG06747	2/1/2016	Lead	3	Copper	50			FLINT	48505
LG06749	2/1/2016	Lead	3	Copper	0			FLINT	48504
LG06767	2/1/2016	Lead	3	Copper	0			FLINT	48503
LG06789	2/1/2016	Lead	3	Copper	130			FLINT	48507
LG06821	2/1/2016	Lead	3	Copper	0			FLINT	48507
LG06825	2/1/2016	Lead	3	Copper	110			FLINT	48507
LG06838	2/1/2016	Lead	3	Copper	130			FLINT	48503
LG06872	2/1/2016	Lead	3	Copper	0			FLINT	48506
LG06880	2/1/2016	Lead	3	Copper	0			FLINT	48504
LG06897	2/1/2016	Lead	3	Copper	60			FLINT	48503
LG06903	2/1/2016	Lead	3	Copper	0			FLINT	48505
LG06905	2/1/2016	Lead	3	Copper	60			FLINT	48503
LG06906	2/1/2016	Lead	3	Copper	100			FLINT	48505
LG06924	2/1/2016	Lead	3	Copper	0		DR	FLINT	48503
LG06928	2/1/2016	Lead	3	Copper	0			FLINT	48503
LG06964	2/1/2016	Lead	3	Copper	0			FLINT	48507
LG06969	2/1/2016	Lead	3	Copper	0			FLINT	48506
LG06992	2/1/2016	Lead	3	Copper	100		VE	FLINT	48505
LG07038	2/1/2016	Lead	3	Copper	60			FLINT	
LG07041	2/1/2016	Lead	3	Copper	50			FLINT	48504
LG07043	2/1/2016	Lead	3	Copper	0			FLINT	48503
LG07077	2/1/2016	Lead	3	Copper	90		ET	FLINT	48505
LG07078	2/1/2016	Lead	3	Copper	170			FLINT	48506
LG07080	2/1/2016	Lead	3	Copper	0			FLINT	48504
LG07082	2/1/2016	Lead	3	Copper	0			FLINT	48503
LG07088	2/1/2016	Lead	3	Copper	190			FLINT	48503
LG07100	2/1/2016	Lead	3	Copper	60			FLINT	48503
LG07404	2/2/2016	Lead	3	Copper	160			FLINT	48501
LG07441	2/2/2016	Lead	3	Copper	140			FLINT	48507
LG07455	2/2/2016	Lead	3	Copper	0			FLINT	48503
LG07471	2/2/2016	Lead	3	Copper	60			FLINT	48506
LG07477	2/2/2016	Lead	3	Copper	120		09	FLINT	48503
LG07483	2/2/2016	Lead	3	Copper	0			FLINT	48503
LG07493	2/2/2016	Lead	3	Copper	100			FLINT	48503
LG07499	2/2/2016	Lead	3	Copper	0			FLINT	
LG07539	2/2/2016	Lead	3	Copper	140			FLINT	48505
LG07541	2/2/2016	Lead	3	Copper	80			FLINT	48504
LG07549	2/2/2016	Lead	3	Copper	80			FLINT	48503
LG07552	2/2/2016	Lead	3	Copper	0			FLINT	48504
LG07564	2/2/2016	Lead	3	Copper	0			FLINT	48507
LG07591	2/2/2016	Lead	3	Copper	140			FLINT	48507
LG07602	2/2/2016	Lead	3	Copper	150			FLINT	48503
LG07614	2/2/2016	Lead	3	Copper	0			FLINT	48506
LG07692	2/2/2016	Lead	3	Copper	0			FLINT	48503
LG07693	2/2/2016	Lead	3	Copper	70			FLINT	48507
LG07701	2/2/2016	Lead	3	Copper	0			FLINT	48505
LG07722	2/2/2016	Lead	3	Copper	0			FLINT	48506
LG07733	2/2/2016	Lead	3	Copper	0			FLINT	48505
LG07743	2/2/2016	Lead	3	Copper	0		D	FLINT	48505
LG07744	2/2/2016	Lead	3	Copper	60			FLINT	48503
LG07745	2/2/2016	Lead	3	Copper	0			FLINT	48504
LG07747	2/2/2016	Lead	3	Copper	0			FLINT	48505
LG07761	2/2/2016	Lead	3	Copper	210			FLINT	48507
LG07779	2/2/2016	Lead	3	Copper	90			FLINT	48503
LG07796	2/2/2016	Lead	3	Copper	0			FLINT	48503
LG07807	2/2/2016	Lead	3	Copper	100			FLINT	48503
LG07821	2/2/2016	Lead	3	Copper	0			FLINT	48504
LG07827	2/2/2016	Lead	3	Copper	0			FLINT	48503
LG07844	2/2/2016	Lead	3	Copper	600			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG07850	2/2/2016	Lead	3	Copper	150		FLINT	48504
LG07858	2/2/2016	Lead	3	Copper	0		FLINT	48504
LG07895	2/2/2016	Lead	3	Copper	[redacted]	107	FLINT	48507
LG07898	2/2/2016	Lead	3	Copper	210		FLINT	48504
LG07948	2/2/2016	Lead	3	Copper	0		FLINT	48503
LG07952	2/2/2016	Lead	3	Copper	190		FLINT	48503
LG08314	2/3/2016	Lead	3	Copper	50		FLINT	48503
LG08318	2/3/2016	Lead	3	Copper	110		FLINT	48504
LG08322	2/3/2016	Lead	3	Copper	120		FLINT	48504
LG08346	2/3/2016	Lead	3	Copper	120		FLINT	48503
LG08347	2/3/2016	Lead	3	Copper	170		FLINT	48503
LG08348	2/3/2016	Lead	3	Copper	80		FLINT	48507
LG08394	2/3/2016	Lead	3	Copper	60		FLINT	
LG08401	2/3/2016	Lead	3	Copper	0		FLINT	48503
LG08410	2/3/2016	Lead	3	Copper	50		FLINT	48507
LG08426	2/3/2016	Lead	3	Copper	0		FLINT	48503
LG08477	2/3/2016	Lead	3	Copper	60		FLINT	48507
LG08486	2/3/2016	Lead	3	Copper	50		FLINT	48504-4842
LG08500	2/3/2016	Lead	3	Copper	0		FLINT	48503
LG08502	2/3/2016	Lead	3	Copper	0		FLINT	48505
LG08509	2/3/2016	Lead	3	Copper	50		FLINT	48506
LG08526	2/3/2016	Lead	3	Copper	50	WAY	FLINT	48503
LG08533	2/3/2016	Lead	3	Copper	0		FLINT	
LG08570	2/3/2016	Lead	3	Copper	70		FLINT	48507
LG08583	2/3/2016	Lead	3	Copper	0		FLINT	48532
LG08603	2/3/2016	Lead	3	Copper	140		FLINT	48505
LG08606	2/3/2016	Lead	3	Copper	70		FLINT	48506
LG08631	2/3/2016	Lead	3	Copper	0		FLINT	
LG08640	2/3/2016	Lead	3	Copper	0		FLINT	48504
LG08650	2/3/2016	Lead	3	Copper	110		FLINT	48504
LG08661	2/3/2016	Lead	3	Copper	0		FLINT	48503
LG08687	2/3/2016	Lead	3	Copper	110		FLINT	48505
LG08720	2/3/2016	Lead	3	Copper	0		FLINT	48503
LG08733	2/3/2016	Lead	3	Copper	60		FLINT	48503
LG08743	2/3/2016	Lead	3	Copper	110		FLINT	48503
LG08753	2/3/2016	Lead	3	Copper	0		GRAND BLANC	48439
LG08754	2/3/2016	Lead	3	Copper	0		FLINT	48504
LG08762	2/3/2016	Lead	3	Copper	60		FLINT	
LG08790	2/3/2016	Lead	3	Copper	200		FLINT	48504
LG08808	2/3/2016	Lead	3	Copper	0		FLINT	48503
LG09063	2/4/2016	Lead	3	Copper	210		FLINT	48503
LG09083	2/4/2016	Lead	3	Copper	0		FLINT	48507
LG09106	2/4/2016	Lead	3	Copper	0		FLINT	48507
LG09113	2/4/2016	Lead	3	Copper	0		FLINT	48507
LG09154	2/4/2016	Lead	3	Copper	0		FLINT	48503
LG09159	2/4/2016	Lead	3	Copper	90		FLINT	48504
LG09168	2/4/2016	Lead	3	Copper	0		FLINT	48503
LG09185	2/4/2016	Lead	3	Copper	0		FLINT	48503
LG09191	2/4/2016	Lead	3	Copper	0		FLINT	48506
LG09192	2/4/2016	Lead	3	Copper	0		FLINT	48503
LG09216	2/4/2016	Lead	3	Copper	70		FLINT	
LG09233	2/4/2016	Lead	3	Copper	0		FLINT	48503
LG09272	2/4/2016	Lead	3	Copper	0		FLINT	
LG09291	2/4/2016	Lead	3	Copper	110		FLINT	48507
LG09329	2/4/2016	Lead	3	Copper	0		FLINT	48505
LG09347	2/4/2016	Lead	3	Copper	0		FLINT	48505
LG09352	2/4/2016	Lead	3	Copper	0		FLINT	48506
LG09367	2/4/2016	Lead	3	Copper	0		FLINT	48506
LG09423	2/4/2016	Lead	3	Copper	80		FLINT	48502
LG09429	2/4/2016	Lead	3	Copper	0		FLINT	48504
LG09461	2/4/2016	Lead	3	Copper	110		FLINT	48507
LG09474	2/4/2016	Lead	3	Copper	60		FLINT	48504
LG09482	2/4/2016	Lead	3	Copper	0		FLINT	48506
LG09490	2/4/2016	Lead	3	Copper	150		FLINT	48503
LG09495	2/4/2016	Lead	3	Copper	100		FLINT	48507
LG09653	2/5/2016	Lead	3	Copper	0		FLINT	48503
LG09665	2/5/2016	Lead	3	Copper	0		FLINT	48505
LG09666	2/5/2016	Lead	3	Copper	100		FLINT	48503
LG09684	2/5/2016	Lead	3	Copper	110		FLINT	48507
LG09689	2/5/2016	Lead	3	Copper	80		FLINT	48507
LG09695	2/5/2016	Lead	3	Copper	520		FLINT	48507
LG09705	2/5/2016	Lead	3	Copper	70		FLINT	48506
LG09709	2/5/2016	Lead	3	Copper	60		FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG09727	2/5/2016	Lead	3	Copper	160			FLINT	48503
LG09740	2/5/2016	Lead	3	Copper	0			FLINT	48506
LG09748	2/5/2016	Lead	3	Copper	250		\PT B 16	FLINT	48503
LG09785	2/5/2016	Lead	3	Copper	130			FLINT	48504
LG09810	2/5/2016	Lead	3	Copper	0			FLINT	48506
LG09816	2/5/2016	Lead	3	Copper	50			FLINT	48507
LG09822	2/5/2016	Lead	3	Copper	70			FLINT	48505
LG09825	2/5/2016	Lead	3	Copper	0			FLINT	48506
LG09831	2/5/2016	Lead	3	Copper	60			FLINT	48504
LG09834	2/5/2016	Lead	3	Copper	60			FLINT	48504
LG09838	2/5/2016	Lead	3	Copper	0			FLINT	48503
LG09845	2/5/2016	Lead	3	Copper	0			FLINT	48505
LG09857	2/5/2016	Lead	3	Copper	60			FLINT	48507
LG09866	2/5/2016	Lead	3	Copper	0			FLINT	48503
LG09882	2/5/2016	Lead	3	Copper	100			FLINT	48507
LG09903	2/5/2016	Lead	3	Copper	0			FLINT	48505
LG09949	2/5/2016	Lead	3	Copper	230			FLINT	48504
LG09965	2/5/2016	Lead	3	Copper	0			FLINT	48503
LG09975	2/5/2016	Lead	3	Copper	140			FLINT	48507
LG10002	2/5/2016	Lead	3	Copper	90			FLINT	48504
LG10105	2/6/2016	Lead	3	Copper	80			FLINT	48503
LG10112	2/6/2016	Lead	3	Copper	0			FLINT	48503
LG10132	2/6/2016	Lead	3	Copper	80			FLINT	48504
LG10144	2/6/2016	Lead	3	Copper	0			FLINT	48505
LG10158	2/6/2016	Lead	3	Copper	0			FLINT	48503
LG10162	2/6/2016	Lead	3	Copper	70			FLINT	48506
LG10179	2/6/2016	Lead	3	Copper	0			FLINT	48504
LG10181	2/6/2016	Lead	3	Copper	70			FLINT	
LG10189	2/6/2016	Lead	3	Copper	0			FLINT	48507
LG10200	2/6/2016	Lead	3	Copper	60			FLINT	48503
LG10201	2/6/2016	Lead	3	Copper	0			FLINT	48503
LG10235	2/6/2016	Lead	3	Copper	0			FLINT	48507
LG10236	2/6/2016	Lead	3	Copper	230			FLINT	48507
LG10253	2/6/2016	Lead	3	Copper	180			FLINT	48507
LG10483	2/7/2016	Lead	3	Copper	130			FLINT	48503
LG10503	2/7/2016	Lead	3	Copper	100			FLINT	48507
LG10507	2/7/2016	Lead	3	Copper	0			FLINT	48504
LG10543	2/7/2016	Lead	3	Copper	230			FLINT	48504
LG10591	2/7/2016	Lead	3	Copper	60			FLINT	48506
LG10592	2/7/2016	Lead	3	Copper	60			FLINT	48506
LF82708	9/15/2015	Lead	4	Copper	0			FLINT	48503
LF85603	9/30/2015	Lead	4	Copper	160			FLINT	48503
LF85609	9/30/2015	Lead	4	Copper	0			FLINT	48502
LF85615	9/30/2015	Lead	4	Copper	120			FLINT	48504
LF85944	10/2/2015	Lead	4	Copper	230			FLINT	48503
LF85953	10/2/2015	Lead	4	Copper	0			FLINT	48503
LF86486	10/6/2015	Lead	4	Copper	0			FLINT	48503
LF86494	10/6/2015	Lead	4	Copper	0			FLINT	48503
LF86508	10/6/2015	Lead	4	Copper	90			FLINT	48505
LF86520	10/6/2015	Lead	4	Copper	110			FLINT	48506
LF87010	10/8/2015	Lead	4	Copper	80			FLINT	48504
LF87057	10/8/2015	Lead	4	Copper	110			FLINT	48507
LF87387	10/13/2015	Lead	4	Copper	60			FLINT	48503
LF87421	10/13/2015	Lead	4	Copper	0			FLINT	
LF87435	10/13/2015	Lead	4	Copper	240			FLINT	48503
LF87943	10/16/2015	Lead	4	Copper	70			FLINT	48503
LF88301	10/20/2015	Lead	4	Copper	90			FLINT	48507
LF88320	10/20/2015	Lead	4	Copper	0			FLINT	48503
LF88949	10/26/2015	Lead	4	Copper	0			FLINT	48504
LF88951	10/26/2015	Lead	4	Copper	70			FLINT	48503
LF88955	10/26/2015	Lead	4	Copper	220			FLINT	48503
LF88961	10/26/2015	Lead	4	Copper	0			FLINT	48503
LF88969	10/26/2015	Lead	4	Copper	0			FLINT	48504
LF90460	11/4/2015	Lead	4	Copper	0			FLINT	48505
LF90463	11/4/2015	Lead	4	Copper	0			FLINT	
LF92704	11/18/2015	Lead	4	Copper	90			FLINT	48503
LF92731	11/18/2015	Lead	4	Copper	0		TO 3302 GRATIOT	FLINT	48504
LF93564	11/24/2015	Lead	4	Copper	0			FLINT	48507
LF93574	11/24/2015	Lead	4	Copper	50			FLINT	48507
LF94302	12/2/2015	Lead	4	Copper	0			FLINT	48503
LF95917	12/10/2015	Lead	4	Copper	80			FLINT	
LF95922	12/10/2015	Lead	4	Copper	80			FLINT	48505
LF97957	12/29/2015	Lead	4	Copper	210		E	FLINT	
LF97963	12/29/2015	Lead	4	Copper	70			FLINT	
LF97964	12/29/2015	Lead	4	Copper	110			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LF97981	12/29/2015	Lead	4	Copper	110	EM LUTHERAN CH	FLINT	
LF99149	1/7/2016	Lead	4	Copper	170		FLINT	
LF99198	1/7/2016	Lead	4	Copper	420	SE	FLINT	
LF99908	1/15/2016	Lead	4	Copper	0		FLINT	48504
LF99909	1/15/2016	Lead	4	Copper	140	SE		48503
LF99915	1/15/2016	Lead	4	Copper	160			48503
LF99929	1/15/2016	Lead	4	Copper	60		FLINT	48506
LG00005	1/15/2016	Lead	4	Copper	60	ES NEW LIFE CEN	FLINT	48504
LG00342	1/19/2016	Lead	4	Copper	0		FLINT	48504
LG00460	1/19/2016	Lead	4	Copper	50		FLINT	48506
LG00507	1/19/2016	Lead	4	Copper	70		FLINT	48504
LG00531	1/19/2016	Lead	4	Copper	0		FLINT	48505
LG00533	1/19/2016	Lead	4	Copper	0		FLINT	48503
LG00580	1/19/2016	Lead	4	Copper	80		FLINT	
LG00589	1/19/2016	Lead	4	Copper	0	T	FLINT	48504
LG00609	1/19/2016	Lead	4	Copper	230		FLINT	
LG00616	1/19/2016	Lead	4	Copper	160	DRIVE	FLINT	48503
LG00840	1/20/2016	Lead	4	Copper	0		FLINT	48503
LG00844	1/20/2016	Lead	4	Copper	0			
LG00877	1/20/2016	Lead	4	Copper	0	A BLVD	FLINT	48505
LG00884	1/20/2016	Lead	4	Copper	0			
LG00895	1/20/2016	Lead	4	Copper	80		FLINT	48504
LG00901	1/20/2016	Lead	4	Copper	0		FLINT	48505
LG00914	1/20/2016	Lead	4	Copper	220		FLINT	48505
LG00919	1/20/2016	Lead	4	Copper	0		FLINT	48505
LG00935	1/20/2016	Lead	4	Copper	0		FLINT	48505
LG00966	1/20/2016	Lead	4	Copper	0		FLINT	48503
LG00978	1/20/2016	Lead	4	Copper	0		FLINT	48503
LG00997	1/20/2016	Lead	4	Copper	0		FLINT	48507
LG01198	1/21/2016	Lead	4	Copper	0		FLINT	48507
LG01218	1/21/2016	Lead	4	Copper	60		FLINT	48506
LG01230	1/21/2016	Lead	4	Copper	0		FLINT	48503
LG01231	1/21/2016	Lead	4	Copper	0		FLINT	48503
LG01247	1/21/2016	Lead	4	Copper	60		FLINT	48504
LG01277	1/21/2016	Lead	4	Copper	100		FLINT	48507
LG01281	1/21/2016	Lead	4	Copper	0		FLINT	48503
LG01285	1/21/2016	Lead	4	Copper	0		FLINT	48506
LG01326	1/21/2016	Lead	4	Copper	200	WAY	FLINT	48503
LG01363	1/21/2016	Lead	4	Copper	90		FLINT	48503
LG01383	1/21/2016	Lead	4	Copper	110		FLINT	48507
LG01389	1/21/2016	Lead	4	Copper	120		FLINT	48503
LG01421	1/21/2016	Lead	4	Copper	120		FLINT	48507
LG01502	1/21/2016	Lead	4	Copper	80		FLINT	48503
LG01506	1/21/2016	Lead	4	Copper	130		FLINT	48503
LG01513	1/21/2016	Lead	4	Copper	180		FLINT	48506
LG01534	1/21/2016	Lead	4	Copper	70		FLINT	48507
LG01568	1/21/2016	Lead	4	Copper	0		FLINT	48507
LG01576	1/21/2016	Lead	4	Copper	80		FLINT	48503
LG01626	1/21/2016	Lead	4	Copper	110		FLINT	48504
LG01631	1/21/2016	Lead	4	Copper	0		FLINT	48507
LG01656	1/21/2016	Lead	4	Copper	70		FLINT	48503
LG01699	1/21/2016	Lead	4	Copper	0		FLINT	48503
LG01784	1/21/2016	Lead	4	Copper	0		FLINT	48504
LG01798	1/21/2016	Lead	4	Copper	50		FLINT	48504
LG01823	1/21/2016	Lead	4	Copper	0		FLINT	48505
LG01851	1/21/2016	Lead	4	Copper	90		FLINT	48507
LG01868	1/21/2016	Lead	4	Copper	0		FLINT	48505
LG01924	1/21/2016	Lead	4	Copper	60		FLINT	48505
LG01937	1/21/2016	Lead	4	Copper	90		FLINT	48503
LG01974	1/21/2016	Lead	4	Copper	0		FLINT	48507
LG01980	1/21/2016	Lead	4	Copper	140		FLINT	48506
LG01981	1/21/2016	Lead	4	Copper	150		FLINT	48503
LG02001	1/21/2016	Lead	4	Copper	70		FLINT	48506
LG02052	1/21/2016	Lead	4	Copper	150		FLINT	48503
LG02056	1/21/2016	Lead	4	Copper	70	ST	FLINT	48503
LG02061	1/21/2016	Lead	4	Copper	50		FLINT	48503
LG02088	1/21/2016	Lead	4	Copper	60		FLINT	48507
LG02100	1/21/2016	Lead	4	Copper	60		FLINT	48504
LG02136	1/21/2016	Lead	4	Copper	120	D	FLINT	
LG02163	1/21/2016	Lead	4	Copper	0	DR	FLINT	48503
LG02188	1/21/2016	Lead	4	Copper	0		FLINT	48506
LG02212	1/21/2016	Lead	4	Copper	60		FLINT	48503
LG02227	1/21/2016	Lead	4	Copper	270		FLINT	48503
LG02228	1/21/2016	Lead	4	Copper	0		FLINT	48506
LG02232	1/21/2016	Lead	4	Copper	0		FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG02309	1/22/2016	Lead	4	Copper	0		FLINT	48507
LG02318	1/22/2016	Lead	4	Copper	0		FLINT	48507
LG02323	1/22/2016	Lead	4	Copper	110		FLINT	48504
LG02390	1/22/2016	Lead	4	Copper	100	T	FLINT	48505
LG02433	1/22/2016	Lead	4	Copper	0		FLINT	48507
LG02471	1/22/2016	Lead	4	Copper	0		FLINT	48503
LG02480	1/22/2016	Lead	4	Copper	50		FLINT	48505
LG02533	1/22/2016	Lead	4	Copper	0		FLINT	48504
LG02565	1/22/2016	Lead	4	Copper	70		FLINT	48507
LG02568	1/22/2016	Lead	4	Copper	160		FLINT	48506
LG02609	1/22/2016	Lead	4	Copper	160	OX 4219	FLINT	48504
LG02616	1/22/2016	Lead	4	Copper	0		FLINT	48504
LG02640	1/22/2016	Lead	4	Copper	130		FLINT	48505
LG02667	1/23/2016	Lead	4	Copper	0		FLINT	48504
LG02699	1/23/2016	Lead	4	Copper	0		FLINT	48506
LG02712	1/23/2016	Lead	4	Copper	0		FLINT	48504
LG02728	1/23/2016	Lead	4	Copper	190		FLINT	48503
LG02759	1/23/2016	Lead	4	Copper	0		FLINT	48505
LG02813	1/23/2016	Lead	4	Copper	80		FLINT	48505
LG02818	1/23/2016	Lead	4	Copper	0		FLINT	48504
LG02820	1/23/2016	Lead	4	Copper	120		FLINT	48507
LG02823	1/23/2016	Lead	4	Copper	0		FLINT	48506
LG02826	1/23/2016	Lead	4	Copper	0		FLINT	
LG02842	1/23/2016	Lead	4	Copper	260		FLINT	48506
LG02869	1/23/2016	Lead	4	Copper	60		FLINT	48504
LG02893	1/23/2016	Lead	4	Copper	60		FLINT	48507
LG02898	1/23/2016	Lead	4	Copper	0		FLINT	48503
LG02901	1/23/2016	Lead	4	Copper	0		FLINT	48507
LG02910	1/23/2016	Lead	4	Copper	100		FLINT	48532
LG02920	1/23/2016	Lead	4	Copper	60		FLINT	48506
LG02929	1/23/2016	Lead	4	Copper	140		FLINT	48503
LG02974	1/23/2016	Lead	4	Copper	130		BURTON	48505
LG02997	1/24/2016	Lead	4	Copper	0		FLINT	48506
LG03016	1/24/2016	Lead	4	Copper	0		FLINT	48503
LG03032	1/24/2016	Lead	4	Copper	50		FLINT	48503
LG03041	1/24/2016	Lead	4	Copper	80		FLINT	48503
LG03067	1/24/2016	Lead	4	Copper	0		FLINT	48503
LG03119	1/24/2016	Lead	4	Copper	110		FLINT	48507
LG03160	1/24/2016	Lead	4	Copper	120		FLINT	48504
LG03509	1/25/2016	Lead	4	Copper	0		FLINT	48507
LG03537	1/25/2016	Lead	4	Copper	100		FLINT	48504
LG03582	1/25/2016	Lead	4	Copper	60		FLINT	48503
LG03615	1/25/2016	Lead	4	Copper	0		FLINT	
LG03623	1/25/2016	Lead	4	Copper	0		FLINT	48506
LG03626	1/25/2016	Lead	4	Copper	0		FLINT	48503
LG03655	1/25/2016	Lead	4	Copper	0	E	FLINT	48506
LG03673	1/25/2016	Lead	4	Copper	0		FLINT	48504
LG03705	1/25/2016	Lead	4	Copper	0		FLINT	48386
LG03710	1/25/2016	Lead	4	Copper	0		FLINT	48504
LG03712	1/25/2016	Lead	4	Copper	140		FLINT	48506
LG03714	1/25/2016	Lead	4	Copper	0	E ST	FLINT	48502
LG03721	1/25/2016	Lead	4	Copper	0		FLINT	
LG03737	1/25/2016	Lead	4	Copper	0		FLINT	48505
LG03770	1/25/2016	Lead	4	Copper	0		FLINT	48504
LG03778	1/25/2016	Lead	4	Copper	100		FLINT	48507
LG03805	1/25/2016	Lead	4	Copper	0		FLINT	48504
LG03830	1/25/2016	Lead	4	Copper	440		FLINT	
LG04032	1/26/2016	Lead	4	Copper	0		FLINT	48503
LG04069	1/26/2016	Lead	4	Copper	70		FLINT	48507
LG04111	1/26/2016	Lead	4	Copper	0	R	FLINT	48504
LG04129	1/26/2016	Lead	4	Copper	0		FLINT	48507
LG04191	1/26/2016	Lead	4	Copper	250		FLINT	48507
LG04201	1/26/2016	Lead	4	Copper	70		FLINT	48506
LG04202	1/26/2016	Lead	4	Copper	0		FLINT	48503
LG04203	1/26/2016	Lead	4	Copper	0		FLINT	48505
LG04218	1/26/2016	Lead	4	Copper	270		FLINT	48503
LG04241	1/26/2016	Lead	4	Copper	0		FLINT	48503
LG04253	1/26/2016	Lead	4	Copper	80		FLINT	48506
LG04297	1/26/2016	Lead	4	Copper	110		FLINT	48506
LG04324	1/26/2016	Lead	4	Copper	60		FLINT	48503
LG04358	1/26/2016	Lead	4	Copper	50		FLINT	48505
LG04370	1/26/2016	Lead	4	Copper	0		FLINT	48503
LG04401	1/26/2016	Lead	4	Copper	130		FLINT	48503
LG04408	1/26/2016	Lead	4	Copper	60		FLINT	48504
LG04461	1/26/2016	Lead	4	Copper	170		FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG04500	1/26/2016	Lead	4	Copper	0			FLINT	48503
LG04521	1/26/2016	Lead	4	Copper	200		PT #2	FLINT	48507
LG04555	1/26/2016	Lead	4	Copper	0			FLINT	48507
LG04769	1/27/2016	Lead	4	Copper	50			FLINT	48504
LG04800	1/27/2016	Lead	4	Copper	140		AY	FLINT	48503
LG04801	1/27/2016	Lead	4	Copper	70			FLINT	48507
LG04948	1/27/2016	Lead	4	Copper	0			FLINT	48504
LG05006	1/27/2016	Lead	4	Copper	110			FLINT	48505
LG05040	1/27/2016	Lead	4	Copper	180			FLINT	48503
LG05073	1/27/2016	Lead	4	Copper	0			FLINT	48503
LG05138	1/27/2016	Lead	4	Copper	0			FLINT	48507
LG05152	1/27/2016	Lead	4	Copper	0			FLINT	48503
LG05168	1/27/2016	Lead	4	Copper	90			FLINT	48503
LG05175	1/27/2016	Lead	4	Copper	60			FLINT	
LG05254	1/27/2016	Lead	4	Copper	0			FLINT	48505
LG05261	1/27/2016	Lead	4	Copper	0			FLINT	48507
LG05281	1/27/2016	Lead	4	Copper	0			FLINT	48505
LG05290	1/27/2016	Lead	4	Copper	0			FLINT	48507
LG05292	1/27/2016	Lead	4	Copper	0			FLINT	48503
LG05468	1/28/2016	Lead	4	Copper	70			FLINT	48506
LG05473	1/28/2016	Lead	4	Copper	100			FLINT	48506
LG05489	1/28/2016	Lead	4	Copper	180			FLINT	48505
LG05521	1/28/2016	Lead	4	Copper	210			FLINT	48503
LG05522	1/28/2016	Lead	4	Copper	0			FLINT	48503
LG05537	1/28/2016	Lead	4	Copper	0			FLINT	48505
LG05590	1/28/2016	Lead	4	Copper	90			FLINT	48507
LG05592	1/28/2016	Lead	4	Copper	80			FLINT	48503
LG05599	1/28/2016	Lead	4	Copper	0			FLINT	48503
LG05684	1/28/2016	Lead	4	Copper	140			FLINT	48506
LG05696	1/28/2016	Lead	4	Copper	0			FLINT	48504
LG05698	1/28/2016	Lead	4	Copper	0			FLINT	48507
LG05722	1/28/2016	Lead	4	Copper	50			FLINT	48532
LG05726	1/28/2016	Lead	4	Copper	0			FLINT	48503
LG05741	1/28/2016	Lead	4	Copper	260			FLINT	48532
LG05749	1/28/2016	Lead	4	Copper	0				
LG05769	1/28/2016	Lead	4	Copper	0			FLINT	48503
LG05912	1/29/2016	Lead	4	Copper	0			FLINT	48504
LG05948	1/29/2016	Lead	4	Copper	0			FLINT	48506
LG05954	1/29/2016	Lead	4	Copper	60			FLINT	48503
LG05961	1/29/2016	Lead	4	Copper	0			FLINT	48507
LG05967	1/29/2016	Lead	4	Copper	0			FLINT	48503
LG06074	1/29/2016	Lead	4	Copper	60			FLINT	48504
LG06085	1/29/2016	Lead	4	Copper	0			FLINT	48507
LG06098	1/29/2016	Lead	4	Copper	70			FLINT	48503
LG06117	1/29/2016	Lead	4	Copper	0			FLINT	48506
LG06123	1/29/2016	Lead	4	Copper	80			FLINT	
LG06158	1/29/2016	Lead	4	Copper	90			FLINT	48504
LG06170	1/29/2016	Lead	4	Copper	60			FLINT	48506
LG06200	1/29/2016	Lead	4	Copper	80			FLINT	48503
LG06229	1/29/2016	Lead	4	Copper	0			FLINT	48505
LG06416	1/30/2016	Lead	4	Copper	0			FLINT	48504
LG06457	1/30/2016	Lead	4	Copper	190				48507
LG06471	1/31/2016	Lead	4	Copper	0			FLINT	48503
LG06593	1/31/2016	Lead	4	Copper	180			FLINT	48507
LG06727	2/1/2016	Lead	4	Copper	120			FLINT	48503
LG06775	2/1/2016	Lead	4	Copper	190			FLINT	48503
LG06781	2/1/2016	Lead	4	Copper	100			FLINT	48503
LG06791	2/1/2016	Lead	4	Copper	120			FLINT	48507
LG06795	2/1/2016	Lead	4	Copper	0		E	FLINT	48504
LG06830	2/1/2016	Lead	4	Copper	0			FLINT	48503
LG06877	2/1/2016	Lead	4	Copper	110			FLINT	48504
LG06892	2/1/2016	Lead	4	Copper	120			FLINT	48507
LG06929	2/1/2016	Lead	4	Copper	180			FLINT	48503
LG06933	2/1/2016	Lead	4	Copper	90			FLINT	48507
LG06976	2/1/2016	Lead	4	Copper	0			FLINT	48507
LG06981	2/1/2016	Lead	4	Copper	0			FLINT	48504
LG06987	2/1/2016	Lead	4	Copper	80			FLINT	48507
LG06996	2/1/2016	Lead	4	Copper	0			FLINT	48503
LG07016	2/1/2016	Lead	4	Copper	0		0	FLINT	48507
LG07019	2/1/2016	Lead	4	Copper	200			FLINT	48504
LG07024	2/1/2016	Lead	4	Copper	60			FLINT	48505
LG07026	2/1/2016	Lead	4	Copper	0			FLINT	48504
LG07048	2/1/2016	Lead	4	Copper	0			FLINT	
LG07072	2/1/2016	Lead	4	Copper	0			FLINT	48507
LG07075	2/1/2016	Lead	4	Copper	0			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible]	Street Name	City	Zip Code
LG07094	2/1/2016	Lead	4	Copper	80			FLINT	48503
LG07435	2/2/2016	Lead	4	Copper	140			FLINT	48503
LG07450	2/2/2016	Lead	4	Copper	130			FLINT	48504
LG07457	2/2/2016	Lead	4	Copper	0			FLINT	48506
LG07527	2/2/2016	Lead	4	Copper	70			FLINT	
LG07531	2/2/2016	Lead	4	Copper	50			FLINT	48506
LG07556	2/2/2016	Lead	4	Copper	650			FLINT	48504
LG07580	2/2/2016	Lead	4	Copper	0			FLINT	48506
LG07589	2/2/2016	Lead	4	Copper	0			FLINT	48506
LG07691	2/2/2016	Lead	4	Copper	90			FLINT	48507
LG07699	2/2/2016	Lead	4	Copper	0			FLINT	48503
LG07700	2/2/2016	Lead	4	Copper	0			FLINT	48503
LG07724	2/2/2016	Lead	4	Copper	0			FLINT	48506
LG07742	2/2/2016	Lead	4	Copper	0			FLINT	48503
LG07795	2/2/2016	Lead	4	Copper	0			FLINT	48507
LG07836	2/2/2016	Lead	4	Copper	0			FLINT	48504
LG07846	2/2/2016	Lead	4	Copper	0			FLINT	48505
LG07857	2/2/2016	Lead	4	Copper	100			FLINT	48506
LG07861	2/2/2016	Lead	4	Copper	100			FLINT	48503
LG07876	2/2/2016	Lead	4	Copper	0			FLINT	48507
LG07897	2/2/2016	Lead	4	Copper	190			FLINT	48506
LG07983	2/2/2016	Lead	4	Copper	50			FLINT	48506
LG08265	2/3/2016	Lead	4	Copper	0			FLINT	48506
LG08267	2/3/2016	Lead	4	Copper	60		T 281C	FLINT	48503
LG08272	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG08291	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG08312	2/3/2016	Lead	4	Copper	80			FLINT	48503
LG08363	2/3/2016	Lead	4	Copper	80			FLINT	48506
LG08374	2/3/2016	Lead	4	Copper	310			FLINT	48504
LG08403	2/3/2016	Lead	4	Copper	200			FLINT	48504
LG08415	2/3/2016	Lead	4	Copper	90			FLINT	48504
LG08419	2/3/2016	Lead	4	Copper	90			FLINT	
LG08420	2/3/2016	Lead	4	Copper	100		Y	FLINT	48503
LG08437	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG08456	2/3/2016	Lead	4	Copper	560			FLINT	
LG08504	2/3/2016	Lead	4	Copper	0			FLINT	48506
LG08515	2/3/2016	Lead	4	Copper	60			FLINT	48506
LG08530	2/3/2016	Lead	4	Copper	90			FLINT	48532
LG08540	2/3/2016	Lead	4	Copper	110			FLINT	
LG08567	2/3/2016	Lead	4	Copper	100			FLINT	48504
LG08621	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG08624	2/3/2016	Lead	4	Copper	0			FLINT	48532
LG08647	2/3/2016	Lead	4	Copper	200			FLINT	48506
LG08662	2/3/2016	Lead	4	Copper	160			FLINT	
LG08667	2/3/2016	Lead	4	Copper	70		T 7	FLINT	48507
LG08677	2/3/2016	Lead	4	Copper	0			FLINT	
LG08700	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG08704	2/3/2016	Lead	4	Copper	150		KWAY	FLINT	48503
LG08716	2/3/2016	Lead	4	Copper	0			FLINT	48503
LG08768	2/3/2016	Lead	4	Copper	0			FLINT	48506
LG08777	2/3/2016	Lead	4	Copper	130			FLINT	48503
LG09120	2/4/2016	Lead	4	Copper	60				48507
LG09148	2/4/2016	Lead	4	Copper	80			FLINT	48503
LG09158	2/4/2016	Lead	4	Copper	60			FLINT	48503
LG09167	2/4/2016	Lead	4	Copper	360			FLINT	48532
LG09171	2/4/2016	Lead	4	Copper	210			FLINT	48532
LG09180	2/4/2016	Lead	4	Copper	0			FLINT	48506
LG09183	2/4/2016	Lead	4	Copper	0			FLINT	48505
LG09198	2/4/2016	Lead	4	Copper	0			FLINT	48507
LG09204	2/4/2016	Lead	4	Copper	110			FLINT	48504
LG09205	2/4/2016	Lead	4	Copper	0			FLINT	48503
LG09223	2/4/2016	Lead	4	Copper	80			FLINT	
LG09230	2/4/2016	Lead	4	Copper	0			FLINT	48503
LG09236	2/4/2016	Lead	4	Copper	0			FLINT	48507
LG09354	2/4/2016	Lead	4	Copper	200			FLINT	
LG09391	2/4/2016	Lead	4	Copper	0			FLINT	48505
LG09392	2/4/2016	Lead	4	Copper	130		T 1	FLINT	48503
LG09462	2/4/2016	Lead	4	Copper	0			FLINT	48504
LG09476	2/4/2016	Lead	4	Copper	120		D	FLINT	48505
LG09652	2/5/2016	Lead	4	Copper	0			FLINT	48505
LG09682	2/5/2016	Lead	4	Copper	60			FLINT	48503
LG09749	2/5/2016	Lead	4	Copper	0			FLINT	48503
LG09750	2/5/2016	Lead	4	Copper	150			FLINT	48506
LG09781	2/5/2016	Lead	4	Copper	130			FLINT	48503
LG09786	2/5/2016	Lead	4	Copper	60			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible] #	Street Name	City	Zip Code
LG09826	2/5/2016	Lead	4	Copper	80	[illegible]4FR		FLINT	48506
LG09847	2/5/2016	Lead	4	Copper	0			FLINT	48504
LG09889	2/5/2016	Lead	4	Copper	50			FLINT	48505-2551
LG09972	2/5/2016	Lead	4	Copper	80			FLINT	48507
LG10017	2/5/2016	Lead	4	Copper	120			FLINT	48507
LG10059	2/6/2016	Lead	4	Copper	130			FLINT	48504
LG10064	2/6/2016	Lead	4	Copper	0			FLINT	48503
LG10072	2/6/2016	Lead	4	Copper	100			FLINT	48504
LG10137	2/6/2016	Lead	4	Copper	0			FLINT	48504
LG10175	2/6/2016	Lead	4	Copper	0			FLINT	48504
LG10205	2/6/2016	Lead	4	Copper	220			FLINT	48504
LG10222	2/6/2016	Lead	4	Copper	0			FLINT	48507
LG10238	2/6/2016	Lead	4	Copper	270			FLINT	48507
LG10269	2/6/2016	Lead	4	Copper	140		EET	FLINT	48504
LG10473	2/7/2016	Lead	4	Copper	170			FLINT	48503
LG10506	2/7/2016	Lead	4	Copper	0			FLINT	48507
LG10519	2/7/2016	Lead	4	Copper	340			FLINT	48507
LG10545	2/7/2016	Lead	4	Copper	110			FLINT	48507
LG10547	2/7/2016	Lead	4	Copper	180			FLINT	48504
LG10560	2/7/2016	Lead	4	Copper	510			FLINT	48506
LG10574	2/7/2016	Lead	4	Copper	110			FLINT	48506
LF82706	9/15/2015	Lead	5	Copper	0			FLINT	48503
LF84314	9/23/2015	Lead	5	Copper	0			FLINT	48507
LF85856	10/1/2015	Lead	5	Copper	50			FLINT	48503
LF85863	10/1/2015	Lead	5	Copper	0			FLINT	48503
LF85943	10/2/2015	Lead	5	Copper	0			FLINT	48503
LF86517	10/6/2015	Lead	5	Copper	90			FLINT	48503
LF87011	10/8/2015	Lead	5	Copper	0			FLINT	48503
LF87019	10/8/2015	Lead	5	Copper	0			FLINT	
LF87062	10/8/2015	Lead	5	Copper	80			FLINT	48507
LF87374	10/13/2015	Lead	5	Copper	60			FLINT	48503
LF87388	10/13/2015	Lead	5	Copper	80			FLINT	48507
LF87412	10/13/2015	Lead	5	Copper	70			FLINT	48507
LF87931	10/16/2015	Lead	5	Copper	240			FLINT	48503
LF87936	10/16/2015	Lead	5	Copper	0			FLINT	48503
LF87941	10/16/2015	Lead	5	Copper	500			FLINT	48504
LF87945	10/16/2015	Lead	5	Copper	0			FLINT	48507
LF88311	10/20/2015	Lead	5	Copper	0			FLINT	48507
LF88972	10/26/2015	Lead	5	Copper	0			FLINT	48503
LF91276	11/9/2015	Lead	5	Copper	120			FLINT	48502
LF92710	11/18/2015	Lead	5	Copper	110			FLINT	48505
LF93556	11/24/2015	Lead	5	Copper	0			FLINT	48507
LF93558	11/24/2015	Lead	5	Copper	0		#5	FLINT	48507
LF93559	11/24/2015	Lead	5	Copper	190			FLINT	
LF93562	11/24/2015	Lead	5	Copper	0			FLINT	48507
LF94261	12/2/2015	Lead	5	Copper	0			FLINT	48503
LF94279	12/2/2015	Lead	5	Copper	180			FLINT	48503
LF95911	12/10/2015	Lead	5	Copper	0			FLINT	48503
LF95914	12/10/2015	Lead	5	Copper	200			FLINT	48503
LF97346	12/18/2015	Lead	5	Copper	140			FLINT	48503
LF97949	12/29/2015	Lead	5	Copper	130		3 11	FLINT	
LF99161	1/7/2016	Lead	5	Copper	0			FLINT	
LF99189	1/7/2016	Lead	5	Copper	360		E	FLINT	
LF99932	1/15/2016	Lead	5	Copper	0				48503
LF99933	1/15/2016	Lead	5	Copper	220		AVE		
LF99964	1/15/2016	Lead	5	Copper	0			FLINT	48505
LF99975	1/15/2016	Lead	5	Copper	0			FLINT	48504
LG00012	1/15/2016	Lead	5	Copper	0			FLINT	48504
LG00517	1/19/2016	Lead	5	Copper	260			FLINT	48505
LG00525	1/19/2016	Lead	5	Copper	0			FLINT	48504
LG00544	1/19/2016	Lead	5	Copper	140			FLINT	48504
LG00568	1/19/2016	Lead	5	Copper	0			FLINT	48506
LG00591	1/19/2016	Lead	5	Copper	0				48504
LG00896	1/20/2016	Lead	5	Copper	0			FLINT	48504
LG01210	1/21/2016	Lead	5	Copper	0			FLINT	48504
LG01237	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG01271	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG01272	1/21/2016	Lead	5	Copper	60			FLINT	48507
LG01335	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG01425	1/21/2016	Lead	5	Copper	90			FLINT	48507
LG01488	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG01491	1/21/2016	Lead	5	Copper	220			FLINT	48504
LG01683	1/21/2016	Lead	5	Copper	70		/D	FLINT	48506
LG01687	1/21/2016	Lead	5	Copper	80	G		FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01752	1/21/2016	Lead	5	Copper	140			FLINT	48503
LG01783	1/21/2016	Lead	5	Copper	70			FLINT	48503
LG01795	1/21/2016	Lead	5	Copper	110			FLINT	48507
LG01872	1/21/2016	Lead	5	Copper	50			FLINT	48507
LG01901	1/21/2016	Lead	5	Copper	70			FLINT	48503
LG01935	1/21/2016	Lead	5	Copper	50		E ST	FLINT	48502
LG01997	1/21/2016	Lead	5	Copper	90			FLINT	48505
LG02006	1/21/2016	Lead	5	Copper	270			FLINT	48505
LG02014	1/21/2016	Lead	5	Copper	410			FLINT	48506
LG02048	1/21/2016	Lead	5	Copper	0			FLINT	48507
LG02064	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG02105	1/21/2016	Lead	5	Copper	0		T	FLINT	48503
LG02122	1/21/2016	Lead	5	Copper	0			FLINT	48503
LG02194	1/21/2016	Lead	5	Copper	140		KWY	FLINT	48507
LG02360	1/22/2016	Lead	5	Copper	80			FLINT	48503
LG02404	1/22/2016	Lead	5	Copper	320			FLINT	48503
LG02516	1/22/2016	Lead	5	Copper	0			FLINT	48503
LG02560	1/22/2016	Lead	5	Copper	0			FLINT	48504
LG02561	1/22/2016	Lead	5	Copper	60			FLINT	48503
LG02584	1/22/2016	Lead	5	Copper	60			FLINT	48505
LG02638	1/22/2016	Lead	5	Copper	0			FLINT	48503
LG02719	1/23/2016	Lead	5	Copper	0			FLINT	48503
LG02775	1/23/2016	Lead	5	Copper	50			FLINT	48503
LG02776	1/23/2016	Lead	5	Copper	0			FLINT	48503
LG02824	1/23/2016	Lead	5	Copper	0			FLINT	48506
LG02861	1/23/2016	Lead	5	Copper	0			FLINT	48507
LG02863	1/23/2016	Lead	5	Copper	0			FLINT	48507
LG02864	1/23/2016	Lead	5	Copper	0			FLINT	48507
LG02877	1/23/2016	Lead	5	Copper	0			FLINT	48507
LG02976	1/24/2016	Lead	5	Copper	0			FLINT	48505
LG03012	1/24/2016	Lead	5	Copper	0			FLINT	48505
LG03023	1/24/2016	Lead	5	Copper	0			FLINT	48503
LG03048	1/24/2016	Lead	5	Copper	240		IR		48507
LG03060	1/24/2016	Lead	5	Copper	0			FLINT	48504
LG03106	1/24/2016	Lead	5	Copper	160			FLINT	48507
LG03460	1/25/2016	Lead	5	Copper	190			FLINT	48507
LG03514	1/25/2016	Lead	5	Copper	120		'E	FLINT	48503
LG03603	1/25/2016	Lead	5	Copper	0			FLINT	48503
LG03816	1/25/2016	Lead	5	Copper	150			FLINT	48503
LG04124	1/26/2016	Lead	5	Copper	70			FLINT	48504
LG04216	1/26/2016	Lead	5	Copper	0			FLINT	48503
LG04368	1/26/2016	Lead	5	Copper	100			FLINT	48503
LG04415	1/26/2016	Lead	5	Copper	0			FLINT	48505
LG04488	1/26/2016	Lead	5	Copper	60			FLINT	48506
LG04539	1/26/2016	Lead	5	Copper	0		OT 167	FLINT	48507
LG04580	1/26/2016	Lead	5	Copper	0			FLINT	48504
LG04602	1/26/2016	Lead	5	Copper	60			FLINT	
LG04758	1/27/2016	Lead	5	Copper	260			FLINT	48503
LG04778	1/27/2016	Lead	5	Copper	0			FLINT	48506
LG04962	1/27/2016	Lead	5	Copper	190		)	FLINT	48507
LG04992	1/27/2016	Lead	5	Copper	490		) OFC	FLINT	48507
LG05049	1/27/2016	Lead	5	Copper	90			FLINT	48506
LG05069	1/27/2016	Lead	5	Copper	0			FLINT	48503
LG05075	1/27/2016	Lead	5	Copper	60			FLINT	48504
LG05090	1/27/2016	Lead	5	Copper	90			FLINT	48506
LG05166	1/27/2016	Lead	5	Copper	60		6	FLINT	
LG05216	1/27/2016	Lead	5	Copper	390		) #325	FLINT	48507
LG05252	1/27/2016	Lead	5	Copper	0			FLINT	48505
LG05509	1/28/2016	Lead	5	Copper	0			FLINT	48503
LG05534	1/28/2016	Lead	5	Copper	0			FLINT	48507-5305
LG05631	1/28/2016	Lead	5	Copper	0			FLINT	48504
LG05760	1/28/2016	Lead	5	Copper	90			FLINT	48504
LG05915	1/29/2016	Lead	5	Copper	100			FLINT	48503
LG05953	1/29/2016	Lead	5	Copper	0			FLINT	48503
LG05969	1/29/2016	Lead	5	Copper	80			FLINT	48503
LG05997	1/29/2016	Lead	5	Copper	160			FLINT	48503
LG06005	1/29/2016	Lead	5	Copper	0			FLINT	48504
LG06032	1/29/2016	Lead	5	Copper	0			FLINT	48532
LG06036	1/29/2016	Lead	5	Copper	0			FLINT	48506
LG06045	1/29/2016	Lead	5	Copper	0			FLINT	48505
LG06058	1/29/2016	Lead	5	Copper	0			FLINT	48503
LG06091	1/29/2016	Lead	5	Copper	120			FLINT	48507
LG06171	1/29/2016	Lead	5	Copper	0			FLINT	48506
LG06172	1/29/2016	Lead	5	Copper	80		E	FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	#	Street Name	City	Zip Code
LG06196	1/29/2016	Lead	5	Copper	0				FLINT	48503
LG06259	1/30/2016	Lead	5	Copper	210			CLE	FLINT	48507
LG06261	1/30/2016	Lead	5	Copper	70				FLINT	48505
LG06270	1/30/2016	Lead	5	Copper	90				FLINT	48503
LG06361	1/30/2016	Lead	5	Copper	80				FLINT	48504
LG06386	1/30/2016	Lead	5	Copper	60				FLINT	48503
LG06397	1/30/2016	Lead	5	Copper	0				FLINT	48504
LG06400	1/30/2016	Lead	5	Copper	70				FLINT	48503
LG06409	1/30/2016	Lead	5	Copper	60				FLINT	48503
LG06477	1/31/2016	Lead	5	Copper	80				FLINT	48504
LG06490	1/31/2016	Lead	5	Copper	220				FLINT	48506
LG06509	1/31/2016	Lead	5	Copper	0				FLINT	48505
LG06519	1/31/2016	Lead	5	Copper	0				FLINT	48503
LG06525	1/31/2016	Lead	5	Copper	100				FLINT	48503
LG06566	1/31/2016	Lead	5	Copper	150				FLINT	48503
LG06589	1/31/2016	Lead	5	Copper	0				FLINT	48506
LG06619	1/31/2016	Lead	5	Copper	70				FLINT	48503
LG06624	1/31/2016	Lead	5	Copper	0				FLINT	48507
LG06939	2/1/2016	Lead	5	Copper	0				FLINT	48503
LG06947	2/1/2016	Lead	5	Copper	0				FLINT	48504
LG06954	2/1/2016	Lead	5	Copper	180				FLINT	48504
LG07010	2/1/2016	Lead	5	Copper	0				FLINT	48503
LG07497	2/2/2016	Lead	5	Copper	80				FLINT	48503
LG07505	2/2/2016	Lead	5	Copper	110				FLINT	48503
LG07570	2/2/2016	Lead	5	Copper	160			ID #108C	FLINT	48505
LG07596	2/2/2016	Lead	5	Copper	120				FLINT	48506
LG07708	2/2/2016	Lead	5	Copper	0				FLINT	48503
LG07741	2/2/2016	Lead	5	Copper	60				FLINT	48503
LG07797	2/2/2016	Lead	5	Copper	80					48506
LG07823	2/2/2016	Lead	5	Copper	80				FLINT	48532
LG07825	2/2/2016	Lead	5	Copper	0				FLINT	48503
LG07900	2/2/2016	Lead	5	Copper	0				FLINT	48505
LG07917	2/2/2016	Lead	5	Copper	110				FLINT	48507
LG07936	2/2/2016	Lead	5	Copper	200				FLINT	48503
LG07939	2/2/2016	Lead	5	Copper	0				FLINT	48507
LG07961	2/2/2016	Lead	5	Copper	0				FLINT	48507
LG08270	2/3/2016	Lead	5	Copper	170			C	FLINT	48503
LG08303	2/3/2016	Lead	5	Copper	60				FLINT	48503
LG08310	2/3/2016	Lead	5	Copper	60				FLINT	48503
LG08395	2/3/2016	Lead	5	Copper	70				FLINT	48507
LG08409	2/3/2016	Lead	5	Copper	310				FLINT	48506
LG08516	2/3/2016	Lead	5	Copper	60				FLINT	48504
LG08553	2/3/2016	Lead	5	Copper	0				FLINT	48504
LG08587	2/3/2016	Lead	5	Copper	0				FLINT	48505
LG08644	2/3/2016	Lead	5	Copper	180				FLINT	48507
LG08688	2/3/2016	Lead	5	Copper	0				FLINT	48503
LG08784	2/3/2016	Lead	5	Copper	50				FLINT	48503
LG08785	2/3/2016	Lead	5	Copper	210				FLINT	
LG09072	2/4/2016	Lead	5	Copper	0				FLINT	48503
LG09080	2/4/2016	Lead	5	Copper	120				FLINT	48507
LG09095	2/4/2016	Lead	5	Copper	70				FLINT	48507
LG09096	2/4/2016	Lead	5	Copper	60				FLINT	48507
LG09111	2/4/2016	Lead	5	Copper	110				FLINT	48507
LG09190	2/4/2016	Lead	5	Copper	0				FLINT	48503
LG09206	2/4/2016	Lead	5	Copper	0				FLINT	48504
LG09264	2/4/2016	Lead	5	Copper	110				FLINT	48505
LG09305	2/4/2016	Lead	5	Copper	0				FLINT	48507
LG09310	2/4/2016	Lead	5	Copper	280				FLINT	48504
LG09673	2/5/2016	Lead	5	Copper	110				FLINT	48507
LG09698	2/5/2016	Lead	5	Copper	300				FLINT	48503
LG09708	2/5/2016	Lead	5	Copper	80				FLINT	48503
LG09729	2/5/2016	Lead	5	Copper	0				FLINT	48504
LG09753	2/5/2016	Lead	5	Copper	50				FLINT	48503
LG09794	2/5/2016	Lead	5	Copper	100				FLINT	48504
LG09830	2/5/2016	Lead	5	Copper	0				FLINT	48505
LG09859	2/5/2016	Lead	5	Copper	0				FLINT	48503
LG09906	2/5/2016	Lead	5	Copper	450				FLINT	48505
LG09919	2/5/2016	Lead	5	Copper	70				FLINT	48503
LG09947	2/5/2016	Lead	5	Copper	60				FLINT	48505
LG10019	2/5/2016	Lead	5	Copper	90				FLINT	48507
LG10092	2/6/2016	Lead	5	Copper	70				FLINT	48503
LG10182	2/6/2016	Lead	5	Copper	160				FLINT	
LG10193	2/6/2016	Lead	5	Copper	0				FLINT	48503
LG10221	2/6/2016	Lead	5	Copper	100				FLINT	
LG10230	2/6/2016	Lead	5	Copper	0				FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG10273	2/6/2016	Lead	5	Copper	70			FLINT	48503
LG10463	2/7/2016	Lead	5	Copper	450			FLINT	48503
LG10505	2/7/2016	Lead	5	Copper	0			FLINT	48507
LG10515	2/7/2016	Lead	5	Copper	50			FLINT	48507
LG10523	2/7/2016	Lead	5	Copper	100			FLINT	
LG10531	2/7/2016	Lead	5	Copper	0			FLINT	48507
LG10564	2/7/2016	Lead	5	Copper	310				
LG10571	2/7/2016	Lead	5	Copper	0			FLINT	48503
LF84898	9/25/2015	Lead	6	Copper	0			FLINT	48505
LF85290	9/29/2015	Lead	6	Copper	70			FLINT	48503
LF85602	9/30/2015	Lead	6	Copper	0			FLINT	48503
LF85801	10/1/2015	Lead	6	Copper	100			FLINT	48503
LF85859	10/1/2015	Lead	6	Copper	150			FLINT	48503
LF87009	10/8/2015	Lead	6	Copper	70			FLINT	48503
LF87021	10/8/2015	Lead	6	Copper	110			FLINT	48503
LF87042	10/8/2015	Lead	6	Copper	0			FLINT	48503
LF87043	10/8/2015	Lead	6	Copper	0			FLINT	48506
LF87048	10/8/2015	Lead	6	Copper	0			FLINT	48504
LF87056	10/8/2015	Lead	6	Copper	160			FLINT	48506
LF87385	10/13/2015	Lead	6	Copper	0			FLINT	48503
LF87407	10/13/2015	Lead	6	Copper	320			FLINT	48504
LF88282	10/20/2015	Lead	6	Copper	0			FLINT	48503
LF88964	10/26/2015	Lead	6	Copper	0			FLINT	48504
LF88967	10/26/2015	Lead	6	Copper	0			FLINT	48503
LF90462	11/4/2015	Lead	6	Copper	0			FLINT	48506
LF92734	11/18/2015	Lead	6	Copper	0			FLINT	48503
LF93555	11/24/2015	Lead	6	Copper	0			FLINT	48507
LF94262	12/2/2015	Lead	6	Copper	230			FLINT	48503
LF95931	12/10/2015	Lead	6	Copper	0			FLINT	48505
LF97943	12/29/2015	Lead	6	Copper	160			FLINT	
LF99146	1/7/2016	Lead	6	Copper	120			FLINT	
LF99162	1/7/2016	Lead	6	Copper	0			FLINT	
LF99572	1/12/2016	Lead	6	Copper	130			FLINT	48504
LF99892	1/15/2016	Lead	6	Copper	0		T 105	FLINT	48502
LF99914	1/15/2016	Lead	6	Copper	0				
LF99935	1/15/2016	Lead	6	Copper	230				48504
LF99987	1/15/2016	Lead	6	Copper	0		THREE)		48503
LG00461	1/19/2016	Lead	6	Copper	0			FLINT	48504
LG00514	1/19/2016	Lead	6	Copper	0			FLINT	48505
LG00524	1/19/2016	Lead	6	Copper	0			FLINT	48506
LG00842	1/20/2016	Lead	6	Copper	0			FLINT	48504
LG00973	1/20/2016	Lead	6	Copper	90			FLINT	48506
LG01255	1/21/2016	Lead	6	Copper	120			FLINT	48504
LG01373	1/21/2016	Lead	6	Copper	80			FLINT	48507
LG01450	1/21/2016	Lead	6	Copper	80			FLINT	48504
LG01497	1/21/2016	Lead	6	Copper	50			FLINT	48505
LG01500	1/21/2016	Lead	6	Copper	240			FLINT	48505
LG01657	1/21/2016	Lead	6	Copper	80			FLINT	48503
LG01665	1/21/2016	Lead	6	Copper	0			FLINT	48505
LG01738	1/21/2016	Lead	6	Copper	140			FLINT	48532
LG01777	1/21/2016	Lead	6	Copper	0			FLINT	48503
LG01930	1/21/2016	Lead	6	Copper	0			FLINT	48504
LG01984	1/21/2016	Lead	6	Copper	0			FLINT	48506
LG02167	1/21/2016	Lead	6	Copper	0			FLINT	48506
LG02180	1/21/2016	Lead	6	Copper	0			FLINT	48507
LG02364	1/22/2016	Lead	6	Copper	70			FLINT	48505
LG02409	1/22/2016	Lead	6	Copper	690			BURTON	48529
LG02439	1/22/2016	Lead	6	Copper	60			FLINT	48503
LG02472	1/22/2016	Lead	6	Copper	0			FLINT	
LG02503	1/22/2016	Lead	6	Copper	270			FLINT	48503
LG02564	1/22/2016	Lead	6	Copper	0			FLINT	48506
LG02574	1/22/2016	Lead	6	Copper	0			FLINT	48506
LG02704	1/23/2016	Lead	6	Copper	150			FLINT	48506
LG02768	1/23/2016	Lead	6	Copper	0			FLINT	48503
LG02796	1/23/2016	Lead	6	Copper	0			FLINT	48507
LG02815	1/23/2016	Lead	6	Copper	140			FLINT	48507
LG02831	1/23/2016	Lead	6	Copper	130			FLINT	48507
LG02852	1/23/2016	Lead	6	Copper	100			FLINT	
LG02889	1/23/2016	Lead	6	Copper	100			FLINT	48507
LG02941	1/23/2016	Lead	6	Copper	50			FLINT	48504
LG03006	1/24/2016	Lead	6	Copper	60			FLINT	48503
LG03036	1/24/2016	Lead	6	Copper	0			FLINT	48507
LG03049	1/24/2016	Lead	6	Copper	60			FLINT	48503
LG03090	1/24/2016	Lead	6	Copper	160			FLINT	48503
LG03096	1/24/2016	Lead	6	Copper	80			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG03111	1/24/2016	Lead	6	Copper	0			FLINT	48503
LG03155	1/24/2016	Lead	6	Copper	0			FLINT	48503
LG03159	1/24/2016	Lead	6	Copper	80			FLINT	48503
LG03163	1/24/2016	Lead	6	Copper	0			FLINT	48503
LG03480	1/25/2016	Lead	6	Copper	80		PT #1	FLINT	48507
LG03524	1/25/2016	Lead	6	Copper	0			FLINT	48503
LG03536	1/25/2016	Lead	6	Copper	90		E	FLINT	48507
LG03580	1/25/2016	Lead	6	Copper	100			FLINT	48532
LG03584	1/25/2016	Lead	6	Copper	120			FLINT	48503
LG03622	1/25/2016	Lead	6	Copper	0			FLINT	48504
LG03720	1/25/2016	Lead	6	Copper	110			FLINT	48506
LG03723	1/25/2016	Lead	6	Copper	0			FLINT	48505
LG04157	1/26/2016	Lead	6	Copper	150			FLINT	48507
LG04166	1/26/2016	Lead	6	Copper	150			FLINT	48504
LG04185	1/26/2016	Lead	6	Copper	60			FLINT	48507
LG04282	1/26/2016	Lead	6	Copper	0			FLINT	48503
LG04309	1/26/2016	Lead	6	Copper	260			FLINT	48504
LG04350	1/26/2016	Lead	6	Copper	0			FLINT	48506
LG04369	1/26/2016	Lead	6	Copper	0			FLINT	48507
LG04525	1/26/2016	Lead	6	Copper	0		2	FLINT	48506
LG04536	1/26/2016	Lead	6	Copper	60				
LG04759	1/27/2016	Lead	6	Copper	0			FLINT	48507
LG04961	1/27/2016	Lead	6	Copper	1,050		OFC	FLINT	48507
LG04995	1/27/2016	Lead	6	Copper	680		OFC	FLINT	48507
LG05014	1/27/2016	Lead	6	Copper	90			FLINT	48505
LG05160	1/27/2016	Lead	6	Copper	60			FLINT	48503
LG05170	1/27/2016	Lead	6	Copper	80			FLINT	48503
LG05196	1/27/2016	Lead	6	Copper	120			FLINT	48503
LG05197	1/27/2016	Lead	6	Copper	80			FLINT	48503
LG05202	1/27/2016	Lead	6	Copper	60			FLINT	
LG05503	1/28/2016	Lead	6	Copper	80			FLINT	48503
LG05518	1/28/2016	Lead	6	Copper	170			FLINT	48504
LG05562	1/28/2016	Lead	6	Copper	60			FLINT	48532
LG05596	1/28/2016	Lead	6	Copper	50			FLINT	48503
LG05745	1/28/2016	Lead	6	Copper	0			FLINT	48504
LG05934	1/29/2016	Lead	6	Copper	60			FLINT	48506
LG05944	1/29/2016	Lead	6	Copper	0			FLINT	48503
LG05946	1/29/2016	Lead	6	Copper	50		1	FLINT	48501
LG05974	1/29/2016	Lead	6	Copper	0			FLINT	48504
LG05978	1/29/2016	Lead	6	Copper	220			FLINT	48504
LG06026	1/29/2016	Lead	6	Copper	90			FLINT	48507
LG06069	1/29/2016	Lead	6	Copper	0			FLINT	48504
LG06088	1/29/2016	Lead	6	Copper	170			FLINT	48507
LG06121	1/29/2016	Lead	6	Copper	150			FLINT	48507
LG06151	1/29/2016	Lead	6	Copper	120			FLINT	48532
LG06189	1/29/2016	Lead	6	Copper	0			FLINT	48504
LG06194	1/29/2016	Lead	6	Copper	320			FLINT	48507
LG06275	1/30/2016	Lead	6	Copper	0		1 STREET	FLINT	48504
LG06408	1/30/2016	Lead	6	Copper	0			FLINT	48504
LG06421	1/30/2016	Lead	6	Copper	80			FLINT	48503
LG06465	1/30/2016	Lead	6	Copper	0			FLINT	48503
LG06570	1/31/2016	Lead	6	Copper	250			FLINT	48504
LG06600	1/31/2016	Lead	6	Copper	70			FLINT	
LG06615	1/31/2016	Lead	6	Copper	0			FLINT	48504
LG06660	1/31/2016	Lead	6	Copper	0			FLINT	48507
LG06859	2/1/2016	Lead	6	Copper	60			FLINT	48504
LG06896	2/1/2016	Lead	6	Copper	0			FLINT	48503
LG06914	2/1/2016	Lead	6	Copper	0			FLINT	48503
LG06931	2/1/2016	Lead	6	Copper	90			FLINT	48504
LG07025	2/1/2016	Lead	6	Copper	80			FLINT	48504
LG07099	2/1/2016	Lead	6	Copper	0			FLINT	48503
LG07492	2/2/2016	Lead	6	Copper	100		E	FLINT	48503
LG07706	2/2/2016	Lead	6	Copper	0			FLINT	48504
LG07729	2/2/2016	Lead	6	Copper	210			FLINT	48507
LG07802	2/2/2016	Lead	6	Copper	50			FLINT	48505
LG07916	2/2/2016	Lead	6	Copper	0			FLINT	48503
LG07967	2/2/2016	Lead	6	Copper	190				
LG07986	2/2/2016	Lead	6	Copper	100			FLINT	48503
LG07987	2/2/2016	Lead	6	Copper	120			FLINT	48506
LG08264	2/3/2016	Lead	6	Copper	0			FLINT	48503
LG08288	2/3/2016	Lead	6	Copper	170			FLINT	48503
LG08327	2/3/2016	Lead	6	Copper	0			FLINT	48504
LG08337	2/3/2016	Lead	6	Copper	0		E	FLINT	48507
LG08369	2/3/2016	Lead	6	Copper	180			FLINT	48506
LG08427	2/3/2016	Lead	6	Copper	0	613		FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG08444	2/3/2016	Lead	6	Copper	0			FLINT	48504
LG08657	2/3/2016	Lead	6	Copper	120			FLINT	48506
LG08715	2/3/2016	Lead	6	Copper	200			FLINT	48504
LG08788	2/3/2016	Lead	6	Copper	330			FLINT	48503
LG08799	2/3/2016	Lead	6	Copper	0			FLINT	48503
LG08802	2/3/2016	Lead	6	Copper	0			FLINT	48503
LG09235	2/4/2016	Lead	6	Copper	60			FLINT	48507
LG09255	2/4/2016	Lead	6	Copper	90			FLINT	48507
LG09296	2/4/2016	Lead	6	Copper	0			FLINT	48507
LG09378	2/4/2016	Lead	6	Copper	90		T	FLINT	48506
LG09406	2/4/2016	Lead	6	Copper	70			FLINT	48505
LG09421	2/4/2016	Lead	6	Copper	60			FLINT	48507
LG09458	2/4/2016	Lead	6	Copper	80			FLINT	48504
LG09459	2/4/2016	Lead	6	Copper	0			FLINT	
LG09472	2/4/2016	Lead	6	Copper	0			FLINT	48504
LG09672	2/5/2016	Lead	6	Copper	120			FLINT	48507
LG09767	2/5/2016	Lead	6	Copper	0		D	FLINT	48507
LG09776	2/5/2016	Lead	6	Copper	0			FLINT	48503
LG09894	2/5/2016	Lead	6	Copper	60			FLINT	48505
LG09973	2/5/2016	Lead	6	Copper	50			FLINT	48503
LG09977	2/5/2016	Lead	6	Copper	100			FLINT	48507
LG09991	2/5/2016	Lead	6	Copper	170			FLINT	48503
LG09996	2/5/2016	Lead	6	Copper	100			FLINT	48505
LG10127	2/6/2016	Lead	6	Copper	0			FLINT	48503
LG10134	2/6/2016	Lead	6	Copper	70			FLINT	48504
LG10156	2/6/2016	Lead	6	Copper	0			FLINT	48507
LG10192	2/6/2016	Lead	6	Copper	0			FLINT	48504
LG10482	2/7/2016	Lead	6	Copper	90			FLINT	48504
LG10492	2/7/2016	Lead	6	Copper	0			FLINT	48503
LG10544	2/7/2016	Lead	6	Copper	100			FLINT	48507
LG10548	2/7/2016	Lead	6	Copper	240			FLINT	48503
LG10590	2/7/2016	Lead	6	Copper	80			FLINT	48506
LF84315	9/23/2015	Lead	7	Copper	0			FLINT	48503
LF85798	10/1/2015	Lead	7	Copper	0			FLINT	48504
LF85940	10/2/2015	Lead	7	Copper	200			FLINT	48505
LF85955	10/2/2015	Lead	7	Copper	410			FLINT	48503
LF87036	10/8/2015	Lead	7	Copper	0			FLINT	48503
LF87375	10/13/2015	Lead	7	Copper	300			FLINT	48507
LF87389	10/13/2015	Lead	7	Copper	80			FLINT	48505
LF87406	10/13/2015	Lead	7	Copper	50			FLINT	48507
LF88322	10/20/2015	Lead	7	Copper	220			FLINT	48503
LF93587	11/24/2015	Lead	7	Copper	0			FLINT	48503
LF99153	1/7/2016	Lead	7	Copper	170		315	FLINT	
LF99948	1/15/2016	Lead	7	Copper	0			FLINT	48503
LF99960	1/15/2016	Lead	7	Copper	130				48503
LG00007	1/15/2016	Lead	7	Copper	0			FLINT	48503
LG00484	1/19/2016	Lead	7	Copper	0			FLINT	48506
LG00600	1/19/2016	Lead	7	Copper	90			FLINT	48503
LG00615	1/19/2016	Lead	7	Copper	170			FLINT	48504
LG00989	1/20/2016	Lead	7	Copper	130			FLINT	48507
LG01006	1/20/2016	Lead	7	Copper	130			FLINT	48504
LG01280	1/21/2016	Lead	7	Copper	0			FLINT	48505
LG01367	1/21/2016	Lead	7	Copper	0			FLINT	
LG01396	1/21/2016	Lead	7	Copper	230			FLINT	48532
LG01720	1/21/2016	Lead	7	Copper	0			FLINT	48507
LG01775	1/21/2016	Lead	7	Copper	50			FLINT	48504
LG01867	1/21/2016	Lead	7	Copper	80			FLINT	48503
LG01929	1/21/2016	Lead	7	Copper	110		Y	FLINT	48503
LG02009	1/21/2016	Lead	7	Copper	0			FLINT	48506
LG02043	1/21/2016	Lead	7	Copper	170			FLINT	48503
LG02049	1/21/2016	Lead	7	Copper	60			FLINT	48507
LG02133	1/21/2016	Lead	7	Copper	0			FLINT	48505
LG02174	1/21/2016	Lead	7	Copper	410			FLINT	48507
LG02398	1/22/2016	Lead	7	Copper	60			FLINT	48506
LG02451	1/22/2016	Lead	7	Copper	0			FLINT	48506
LG02459	1/22/2016	Lead	7	Copper	0			FLINT	
LG02461	1/22/2016	Lead	7	Copper	160			FLINT	48507
LG02465	1/22/2016	Lead	7	Copper	0			FLINT	48503
LG02587	1/22/2016	Lead	7	Copper	0			FLINT	48507
LG02779	1/23/2016	Lead	7	Copper	0			FLINT	48503
LG02782	1/23/2016	Lead	7	Copper	80			FLINT	48532
LG02917	1/23/2016	Lead	7	Copper	50			FLINT	48504
LG02978	1/24/2016	Lead	7	Copper	130			FLINT	48503
LG03027	1/24/2016	Lead	7	Copper	50			FLINT	48506
LG03042	1/24/2016	Lead	7	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG03128	1/24/2016	Lead	7	Copper	170			FLINT	48503
LG03539	1/25/2016	Lead	7	Copper	220			FLINT	48503
LG03650	1/25/2016	Lead	7	Copper	100			FLINT	48503
LG03670	1/25/2016	Lead	7	Copper	0			FLINT	48505
LG04579	1/26/2016	Lead	7	Copper	0			FLINT	48504
LG04924	1/27/2016	Lead	7	Copper	0			FLINT	48507
LG04959	1/27/2016	Lead	7	Copper	150		OFC	FLINT	48507
LG04967	1/27/2016	Lead	7	Copper	750		OFC	FLINT	48507
LG05029	1/27/2016	Lead	7	Copper	120		#220	FLINT	48505
LG05037	1/27/2016	Lead	7	Copper	0			FLINT	48505
LG05041	1/27/2016	Lead	7	Copper	120			FLINT	48506
LG05061	1/27/2016	Lead	7	Copper	230			FLINT	48507
LG05120	1/27/2016	Lead	7	Copper	0			FLINT	48507
LG05135	1/27/2016	Lead	7	Copper	210			FLINT	48504
LG05150	1/27/2016	Lead	7	Copper	320			FLINT	48504
LG05162	1/27/2016	Lead	7	Copper	90		WNSTAIRS)	FLINT	48503
LG05226	1/27/2016	Lead	7	Copper	170			FLINT	48503
LG05632	1/28/2016	Lead	7	Copper	190			FLINT	48503
LG05731	1/28/2016	Lead	7	Copper	130			FLINT	48507
LG06048	1/29/2016	Lead	7	Copper	170			FLINT	48505
LG06095	1/29/2016	Lead	7	Copper	0			FLINT	48507
LG06124	1/29/2016	Lead	7	Copper	60			FLINT	48504
LG06187	1/29/2016	Lead	7	Copper	60			FLINT	
LG06286	1/30/2016	Lead	7	Copper	80			FLINT	48503
LG06505	1/31/2016	Lead	7	Copper	0			FLINT	48504
LG06558	1/31/2016	Lead	7	Copper	50			FLINT	48504
LG06731	2/1/2016	Lead	7	Copper	290		T	FLINT	48505
LG06793	2/1/2016	Lead	7	Copper	0			FLINT	48503
LG06854	2/1/2016	Lead	7	Copper	130			FLINT	48505
LG06899	2/1/2016	Lead	7	Copper	150			FLINT	48503
LG07050	2/1/2016	Lead	7	Copper	160			FLINT	48503
LG07052	2/1/2016	Lead	7	Copper	90			FLINT	48506
LG07405	2/2/2016	Lead	7	Copper	130			FLINT	48503
LG07454	2/2/2016	Lead	7	Copper	0			FLINT	48503
LG07585	2/2/2016	Lead	7	Copper	220			FLINT	48507
LG07717	2/2/2016	Lead	7	Copper	50			FLINT	48506
LG07731	2/2/2016	Lead	7	Copper	0			FLINT	48504
LG07760	2/2/2016	Lead	7	Copper	0			FLINT	48506
LG07855	2/2/2016	Lead	7	Copper	100			FLINT	48507
LG07870	2/2/2016	Lead	7	Copper	90			FLINT	48504
LG07903	2/2/2016	Lead	7	Copper	110			FLINT	48505
LG07950	2/2/2016	Lead	7	Copper	0			FLINT	48504
LG08280	2/3/2016	Lead	7	Copper	0			FLINT	48506
LG08343	2/3/2016	Lead	7	Copper	0			FLINT	48503
LG08389	2/3/2016	Lead	7	Copper	80			FLINT	48507
LG08392	2/3/2016	Lead	7	Copper	220			FLINT	48507
LG08510	2/3/2016	Lead	7	Copper	90			FLINT	48505
LG08539	2/3/2016	Lead	7	Copper	0			FLINT	48503
LG08580	2/3/2016	Lead	7	Copper	0			FLINT	48504
LG08724	2/3/2016	Lead	7	Copper	60			FLINT	48507
LG08780	2/3/2016	Lead	7	Copper	50			FLINT	48504
LG09134	2/4/2016	Lead	7	Copper	120			FLINT	48503
LG09161	2/4/2016	Lead	7	Copper	60			FLINT	48504
LG09270	2/4/2016	Lead	7	Copper	0			FLINT	48504
LG09433	2/4/2016	Lead	7	Copper	200			FLINT	48532
LG09674	2/5/2016	Lead	7	Copper	0			FLINT	48506
LG09840	2/5/2016	Lead	7	Copper	70			FLINT	48507
LG09907	2/5/2016	Lead	7	Copper	120			FLINT	48504
LG09921	2/5/2016	Lead	7	Copper	70			FLINT	48506
LG09958	2/5/2016	Lead	7	Copper	510			FLINT	48503
LG09992	2/5/2016	Lead	7	Copper	50			FLINT	48503
LG10004	2/5/2016	Lead	7	Copper	0			FLINT	48506
LG10240	2/6/2016	Lead	7	Copper	70			FLINT	48503
LG10490	2/7/2016	Lead	7	Copper	120			FLINT	48507
LF85286	9/29/2015	Lead	8	Copper	150			FLINT	48504
LF86478	10/6/2015	Lead	8	Copper	1,110			FLINT	48503
LF86500	10/6/2015	Lead	8	Copper	70				
LF87018	10/8/2015	Lead	8	Copper	60			FLINT	48505
LF87034	10/8/2015	Lead	8	Copper	80			FLINT	48507
LF87038	10/8/2015	Lead	8	Copper	70			FLINT	48503
LF87928	10/16/2015	Lead	8	Copper	0			FLINT	48503
LF88279	10/20/2015	Lead	8	Copper	360			FLINT	48503
LF88289	10/20/2015	Lead	8	Copper	0			FLINT	48504
LF93566	11/24/2015	Lead	8	Copper	790			FLINT	
LF93576	11/24/2015	Lead	8	Copper	210			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LF93590	11/24/2015	Lead	8	Copper	0			FLINT	48506
LF94282	12/2/2015	Lead	8	Copper	0			FLINT	58507
LF97328	12/18/2015	Lead	8	Copper	90			FLINT	48507
LF97331	12/18/2015	Lead	8	Copper	0			FLINT	
LF97347	12/18/2015	Lead	8	Copper	150			FLINT	48503
LF97923	12/29/2015	Lead	8	Copper	130		E	FLINT	48503
LF97970	12/29/2015	Lead	8	Copper	160			FLINT	48505
LF97971	12/29/2015	Lead	8	Copper	230			FLINT	
LF99141	1/7/2016	Lead	8	Copper	80			FLINT	
LF99917	1/15/2016	Lead	8	Copper	210				
LG00464	1/19/2016	Lead	8	Copper	90		WAY	FLINT	48503
LG00924	1/20/2016	Lead	8	Copper	0			FLINT	48504
LG00946	1/20/2016	Lead	8	Copper	140			FLINT	48504
LG01225	1/21/2016	Lead	8	Copper	110		E	FLINT	48507
LG01286	1/21/2016	Lead	8	Copper	140			FLINT	48504
LG01323	1/21/2016	Lead	8	Copper	120			FLINT	
LG01444	1/21/2016	Lead	8	Copper	70			FLINT	48504
LG01547	1/21/2016	Lead	8	Copper	80			FLINT	48503
LG01603	1/21/2016	Lead	8	Copper	60			FLINT	48504
LG01725	1/21/2016	Lead	8	Copper	190		/E	FLINT	48505
LG01762	1/21/2016	Lead	8	Copper	70			FLINT	48503
LG01965	1/21/2016	Lead	8	Copper	110			FLINT	48503
LG02040	1/21/2016	Lead	8	Copper	90			FLINT	48507
LG02047	1/21/2016	Lead	8	Copper	170			FLINT	48507-1528
LG02102	1/21/2016	Lead	8	Copper	70			FLINT	48506
LG02134	1/21/2016	Lead	8	Copper	0			FLINT	48503
LG02160	1/21/2016	Lead	8	Copper	60			FLINT	48507
LG02319	1/22/2016	Lead	8	Copper	80			FLINT	48503
LG02355	1/22/2016	Lead	8	Copper	100			FLINT	48504
LG02392	1/22/2016	Lead	8	Copper	0			FLINT	48506
LG02559	1/22/2016	Lead	8	Copper	0			FLINT	48506
LG02693	1/23/2016	Lead	8	Copper	60			FLINT	48506
LG02705	1/23/2016	Lead	8	Copper	60			FLINT	48506
LG02749	1/23/2016	Lead	8	Copper	0			FLINT	48505
LG02918	1/23/2016	Lead	8	Copper	0			FLINT	48503
LG03003	1/24/2016	Lead	8	Copper	80			FLINT	48503
LG03025	1/24/2016	Lead	8	Copper	100			FLINT	48503
LG03040	1/24/2016	Lead	8	Copper	0			FLINT	48507
LG03455	1/25/2016	Lead	8	Copper	120			FLINT	48507
LG03459	1/25/2016	Lead	8	Copper	0			FLINT	48507
LG03479	1/25/2016	Lead	8	Copper	0			FLINT	48504
LG03512	1/25/2016	Lead	8	Copper	110			FLINT	48504
LG03557	1/25/2016	Lead	8	Copper	100			FLINT	48503
LG03568	1/25/2016	Lead	8	Copper	0		/E	FLINT	48503
LG03675	1/25/2016	Lead	8	Copper	0			FLINT	48503
LG03786	1/25/2016	Lead	8	Copper	90			FLINT	48504
LG03787	1/25/2016	Lead	8	Copper	100		T	FLINT	48506
LG04118	1/26/2016	Lead	8	Copper	120		E	FLINT	48507
LG04262	1/26/2016	Lead	8	Copper	110			FLINT	48507
LG04337	1/26/2016	Lead	8	Copper	320			FLINT	48503
LG04476	1/26/2016	Lead	8	Copper	0			FLINT	48504
LG04477	1/26/2016	Lead	8	Copper	0			FLINT	48503
LG04485	1/26/2016	Lead	8	Copper	0			FLINT	48506
LG04507	1/26/2016	Lead	8	Copper	70			FLINT	48503
LG04772	1/27/2016	Lead	8	Copper	0			FLINT	48503
LG04877	1/27/2016	Lead	8	Copper	0			FLINT	48503
LG04921	1/27/2016	Lead	8	Copper	0			FLINT	48507
LG05076	1/27/2016	Lead	8	Copper	210			FLINT	48503
LG05198	1/27/2016	Lead	8	Copper	430			FLINT	48503
LG05523	1/28/2016	Lead	8	Copper	370			FLINT	48503
LG05757	1/28/2016	Lead	8	Copper	190			FLINT	48505
LG05942	1/29/2016	Lead	8	Copper	0			FLINT	48504
LG06016	1/29/2016	Lead	8	Copper	100			FLINT	
LG06147	1/29/2016	Lead	8	Copper	140		E	FLINT	48504
LG06201	1/29/2016	Lead	8	Copper	0			FLINT	
LG06376	1/30/2016	Lead	8	Copper	0			FLINT	48505
LG06539	1/31/2016	Lead	8	Copper	0			FLINT	48507
LG06804	2/1/2016	Lead	8	Copper	320			FLINT	48503
LG06814	2/1/2016	Lead	8	Copper	150			FLINT	48507
LG06841	2/1/2016	Lead	8	Copper	0			FLINT	48504
LG07403	2/2/2016	Lead	8	Copper	0			FLINT	48506
LG07453	2/2/2016	Lead	8	Copper	140		)	FLINT	48503
LG07548	2/2/2016	Lead	8	Copper	130			FLINT	48503
LG07550	2/2/2016	Lead	8	Copper	390			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG07828	2/2/2016	Lead	8	Copper	130		FLINT	48506
LG07902	2/2/2016	Lead	8	Copper	190		FLINT	48507
LG07925	2/2/2016	Lead	8	Copper	130	#8	FLINT	48507
LG07932	2/2/2016	Lead	8	Copper	150		FLINT	48507
LG07934	2/2/2016	Lead	8	Copper	100	ST	FLINT	48503
LG07960	2/2/2016	Lead	8	Copper	450		FLINT	48503
LG08329	2/3/2016	Lead	8	Copper	0		FLINT	48505
LG08430	2/3/2016	Lead	8	Copper	60		FLINT	48503
LG08450	2/3/2016	Lead	8	Copper	0		FLINT	
LG08484	2/3/2016	Lead	8	Copper	0	R	FLINT	48504
LG08501	2/3/2016	Lead	8	Copper	0		FLINT	48503
LG08632	2/3/2016	Lead	8	Copper	60		FLINT	
LG08633	2/3/2016	Lead	8	Copper	0		FLINT	
LG08750	2/3/2016	Lead	8	Copper	80		FLINT	48503
LG09152	2/4/2016	Lead	8	Copper	180		FLINT	
LG09220	2/4/2016	Lead	8	Copper	0		FLINT	48505
LG09247	2/4/2016	Lead	8	Copper	0		FLINT	48504
LG09416	2/4/2016	Lead	8	Copper	70		FLINT	48504
LG09470	2/4/2016	Lead	8	Copper	60		FLINT	48504
LG09497	2/4/2016	Lead	8	Copper	100		FLINT	48505
LG09704	2/5/2016	Lead	8	Copper	190		FLINT	
LG09773	2/5/2016	Lead	8	Copper	70		FLINT	48507
LG09784	2/5/2016	Lead	8	Copper	0		FLINT	48506
LG09915	2/5/2016	Lead	8	Copper	0		FLINT	48503
LG09968	2/5/2016	Lead	8	Copper	60		FLINT	48507
LG10006	2/5/2016	Lead	8	Copper	80		FLINT	48503
LG10008	2/5/2016	Lead	8	Copper	0		FLINT	48505
LG10054	2/6/2016	Lead	8	Copper	0		FLINT	48506
LG10216	2/6/2016	Lead	8	Copper	120		FLINT	48503
LG10249	2/6/2016	Lead	8	Copper	100	T	FLINT	48504
LG10526	2/7/2016	Lead	8	Copper	50		FLINT	48506
LF85949	10/2/2015	Lead	9	Copper	170		FLINT	48503
LF85956	10/2/2015	Lead	9	Copper	70		FLINT	48503
LF87060	10/8/2015	Lead	9	Copper	0		FLINT	48507
LF87065	10/8/2015	Lead	9	Copper	0		FLINT	
LF88963	10/26/2015	Lead	9	Copper	250		FLINT	48504
LF93553	11/24/2015	Lead	9	Copper	0		FLINT	48507
LF95915	12/10/2015	Lead	9	Copper	0		FLINT	48503
LF97342	12/18/2015	Lead	9	Copper	150		FLINT	
LF97922	12/29/2015	Lead	9	Copper	210	E	FLINT	48503
LF97946	12/29/2015	Lead	9	Copper	930	E O	FLINT	
LF99169	1/7/2016	Lead	9	Copper	80		FLINT	
LF99202	1/7/2016	Lead	9	Copper	[redacted]	E	FLINT	
LF99968	1/15/2016	Lead	9	Copper	0		FLINT	48503
LG00622	1/19/2016	Lead	9	Copper	0		FLINT	48506
LG00894	1/20/2016	Lead	9	Copper	280		FLINT	48506
LG00921	1/20/2016	Lead	9	Copper	60		FLINT	48507
LG01344	1/21/2016	Lead	9	Copper	200		FLINT	48504
LG01612	1/21/2016	Lead	9	Copper	120		FLINT	48503
LG01928	1/21/2016	Lead	9	Copper	0		FLINT	48503
LG01933	1/21/2016	Lead	9	Copper	60		FLINT	48506
LG02142	1/21/2016	Lead	9	Copper	0		FLINT	48504
LG02434	1/22/2016	Lead	9	Copper	80		FLINT	48506
LG02500	1/22/2016	Lead	9	Copper	70		FLINT	***
LG02505	1/22/2016	Lead	9	Copper	230		FLINT	48504
LG02511	1/22/2016	Lead	9	Copper	110		FLINT	48503
LG02878	1/23/2016	Lead	9	Copper	0		FLINT	48503
LG02926	1/23/2016	Lead	9	Copper	170		FLINT	48504
LG02955	1/23/2016	Lead	9	Copper	0		FLINT	48506
LG03562	1/25/2016	Lead	9	Copper	170		FLINT	48503
LG03576	1/25/2016	Lead	9	Copper	0		FLINT	48503
LG03706	1/25/2016	Lead	9	Copper	160		FLINT	48504
LG03747	1/25/2016	Lead	9	Copper	0		FLINT	
LG03817	1/25/2016	Lead	9	Copper	100		FLINT	48503
LG04089	1/26/2016	Lead	9	Copper	90		FLINT	
LG04090	1/26/2016	Lead	9	Copper	50		FLINT	48503
LG04188	1/26/2016	Lead	9	Copper	210		FLINT	48503
LG04542	1/26/2016	Lead	9	Copper	50		FLINT	48507
LG04545	1/26/2016	Lead	9	Copper	0		FLINT	48507
LG04830	1/27/2016	Lead	9	Copper	340		FLINT	
LG04906	1/27/2016	Lead	9	Copper	330	OFC 340	FLINT	48507
LG05024	1/27/2016	Lead	9	Copper	540		FLINT	48507
LG05057	1/27/2016	Lead	9	Copper	0		FLINT	48504
LG05157	1/27/2016	Lead	9	Copper	170		FLINT	48503
LG05242	1/27/2016	Lead	9	Copper	0			

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street	Street Name	City	Zip Code
LG05465	1/28/2016	Lead	9	Copper	0				48503
LG05577	1/28/2016	Lead	9	Copper	80			FLINT	48507
LG05639	1/28/2016	Lead	9	Copper	0			FLINT	48503
LG05672	1/28/2016	Lead	9	Copper	170			FLINT	48503
LG05687	1/28/2016	Lead	9	Copper	220		/E	FLINT	48504
LG05764	1/28/2016	Lead	9	Copper	50			FLINT	48504
LG06035	1/29/2016	Lead	9	Copper	0		ES LOT #3	FLINT	48506
LG06071	1/29/2016	Lead	9	Copper	0			FLINT	48505
LG06549	1/31/2016	Lead	9	Copper	120			FLINT	48503
LG06650	1/31/2016	Lead	9	Copper	130			FLINT	48503
LG06658	1/31/2016	Lead	9	Copper	210			FLINT	48503
LG06769	2/1/2016	Lead	9	Copper	0			FLINT	48504
LG06784	2/1/2016	Lead	9	Copper	0			FLINT	48504
LG07407	2/2/2016	Lead	9	Copper	120			FLINT	48507
LG07434	2/2/2016	Lead	9	Copper	100			FLINT	48504
LG07463	2/2/2016	Lead	9	Copper	80			FLINT	48502
LG07677	2/2/2016	Lead	9	Copper	90			FLINT	48503
LG07710	2/2/2016	Lead	9	Copper	80			FLINT	48504
LG07748	2/2/2016	Lead	9	Copper	230			FLINT	48504
LG08367	2/3/2016	Lead	9	Copper	80			FLINT	48504
LG08377	2/3/2016	Lead	9	Copper	110			FLINT	48507
LG08503	2/3/2016	Lead	9	Copper	70			FLINT	48505
LG08559	2/3/2016	Lead	9	Copper	0		3	FLINT	48507
LG08639	2/3/2016	Lead	9	Copper	0			FLINT	48504
LG08642	2/3/2016	Lead	9	Copper	160			FLINT	
LG08735	2/3/2016	Lead	9	Copper	120			FLINT	48507
LG08745	2/3/2016	Lead	9	Copper	210			FLINT	48507
LG09308	2/4/2016	Lead	9	Copper	180			FLINT	
LG09314	2/4/2016	Lead	9	Copper	80			FLINT	48503
LG09452	2/4/2016	Lead	9	Copper	90			FLINT	48507
LG09721	2/5/2016	Lead	9	Copper	0			FLINT	48506
LG09945	2/5/2016	Lead	9	Copper	60			FLINT	48502
LG10011	2/5/2016	Lead	9	Copper	180			FLINT	48503
LG10065	2/6/2016	Lead	9	Copper	240			FLINT	48503
LG10538	2/7/2016	Lead	9	Copper	0			FLINT	48503
LF85289	9/29/2015	Lead	10	Copper	90			FLINT	48506
LF85941	10/2/2015	Lead	10	Copper	0			FLINT	48503
LF87008	10/8/2015	Lead	10	Copper	160			FLINT	48503
LF87401	10/13/2015	Lead	10	Copper	0			FLINT	48505
LF87937	10/16/2015	Lead	10	Copper	70			FLINT	48507
LF94277	12/2/2015	Lead	10	Copper	250			FLINT	48506
LF97975	12/29/2015	Lead	10	Copper	480			FLINT	
LF99145	1/7/2016	Lead	10	Copper	380			FLINT	
LF99170	1/7/2016	Lead	10	Copper	570		E	FLINT	
LG00001	1/15/2016	Lead	10	Copper	340			FLINT	48505
LG00880	1/20/2016	Lead	10	Copper	0			FLINT	48507
LG00909	1/20/2016	Lead	10	Copper	0			FLINT	48504
LG00928	1/20/2016	Lead	10	Copper	70			FLINT	48507
LG00953	1/20/2016	Lead	10	Copper	0			FLINT	48505
LG01412	1/21/2016	Lead	10	Copper	50			FLINT	48503
LG01564	1/21/2016	Lead	10	Copper	0			FLINT	48504
LG01572	1/21/2016	Lead	10	Copper	330			FLINT	
LG01701	1/21/2016	Lead	10	Copper	80			FLINT	48503
LG01735	1/21/2016	Lead	10	Copper	70			FLINT	48503
LG01852	1/21/2016	Lead	10	Copper	260			FLINT	48507
LG01988	1/21/2016	Lead	10	Copper	50			FLINT	48503
LG02230	1/21/2016	Lead	10	Copper	100			FLINT	48507
LG02379	1/22/2016	Lead	10	Copper	300			FLINT	48507
LG02387	1/22/2016	Lead	10	Copper	60			FLINT	48507
LG02792	1/23/2016	Lead	10	Copper	120			FLINT	48507
LG02851	1/23/2016	Lead	10	Copper	80			FLINT	48503
LG02868	1/23/2016	Lead	10	Copper	0			FLINT	48507
LG03009	1/24/2016	Lead	10	Copper	190			FLINT	48503
LG03751	1/25/2016	Lead	10	Copper	170			FLINT	48504
LG04072	1/26/2016	Lead	10	Copper	140		NAY	FLINT	48503
LG04221	1/26/2016	Lead	10	Copper	0			FLINT	48505
LG04379	1/26/2016	Lead	10	Copper	110			FLINT	48504
LG04399	1/26/2016	Lead	10	Copper	0			FLINT	48505
LG04535	1/26/2016	Lead	10	Copper	0			FLINT	48503
LG04586	1/26/2016	Lead	10	Copper	0			FLINT	48503
LG05043	1/27/2016	Lead	10	Copper	[redacted]			FLINT	48503
LG05306	1/27/2016	Lead	10	Copper	0			FLINT	48507
LG05442	1/28/2016	Lead	10	Copper	140			FLINT	48504
LG06082	1/29/2016	Lead	10	Copper	0			FLINT	48507
LG06131	1/29/2016	Lead	10	Copper	310		VE	FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	eet Name	City	Zip Code
LF84899	9/25/2015	Lead	0	Copper	0	[illegible]		FLINT	48503
LF85330	9/29/2015	Lead	0	Copper	0		/ERS CATHOLIC SCH	FLINT	48503
LF85604	9/30/2015	Lead	0	Copper	220			FLINT	48503
LF85613	9/30/2015	Lead	0	Copper	0			FLINT	48507
LF85796	10/1/2015	Lead	0	Copper	140			FLINT	48504
LF85797	10/1/2015	Lead	0	Copper	0			FLINT	48506
LF85799	10/1/2015	Lead	0	Copper	50			FLINT	48506
LF85802	10/1/2015	Lead	0	Copper	270			FLINT	48507
LF85862	10/1/2015	Lead	0	Copper	330			FLINT	48503
LF85931	10/2/2015	Lead	0	Copper	0			FLINT	48504
LF85933	10/2/2015	Lead	0	Copper	0			FLINT	48506
LF85936	10/2/2015	Lead	0	Copper	80			FLINT	48504
LF85945	10/2/2015	Lead	0	Copper	170			FLINT	48532
LF85947	10/2/2015	Lead	0	Copper	70			FLINT	48532
LF85954	10/2/2015	Lead	0	Copper	0			FLINT	48503
LF85957	10/2/2015	Lead	0	Copper	0			FLINT	48503
LF85960	10/2/2015	Lead	0	Copper	0			FLINT	48503
LF86477	10/6/2015	Lead	0	Copper	0			FLINT	48503
LF86479	10/6/2015	Lead	0	Copper	360			FLINT	48503
LF86480	10/6/2015	Lead	0	Copper	170			FLINT	48507
LF86481	10/6/2015	Lead	0	Copper	0		2	FLINT	48506
LF86482	10/6/2015	Lead	0	Copper	0		T 168	FLINT	48505
LF86485	10/6/2015	Lead	0	Copper	0		1	FLINT	48506
LF86489	10/6/2015	Lead	0	Copper	0			FLINT	48504
LF86498	10/6/2015	Lead	0	Copper	0			FLINT	48506
LF86499	10/6/2015	Lead	0	Copper	0				
LF86501	10/6/2015	Lead	0	Copper	60		C	FLINT	48505
LF86510	10/6/2015	Lead	0	Copper	0			FLINT	48506
LF86512	10/6/2015	Lead	0	Copper	0			FLINT	48506
LF86514	10/6/2015	Lead	0	Copper	340			FLINT	48503
LF86516	10/6/2015	Lead	0	Copper	490			FLINT	48503
LF86519	10/6/2015	Lead	0	Copper	0			FLINT	48504
LF87007	10/8/2015	Lead	0	Copper	0			FLINT	
LF87012	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87022	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87023	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87024	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87025	10/8/2015	Lead	0	Copper	500			FLINT	48503
LF87029	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87030	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87031	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87032	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87033	10/8/2015	Lead	0	Copper	0			FLINT	48503
LF87035	10/8/2015	Lead	0	Copper	0			FLINT	48506
LF87037	10/8/2015	Lead	0	Copper	0			FLINT	48504
LF87045	10/8/2015	Lead	0	Copper	80			FLINT	48506
LF87047	10/8/2015	Lead	0	Copper	0			FLINT	48506
LF87050	10/8/2015	Lead	0	Copper	260			FLINT	48506
LF87051	10/8/2015	Lead	0	Copper	110			FLINT	48506
LF87054	10/8/2015	Lead	0	Copper	0			FLINT	48504
LF87061	10/8/2015	Lead	0	Copper	0			FLINT	48532
LF87064	10/8/2015	Lead	0	Copper	0				
LF87365	10/13/2015	Lead	0	Copper	340		N102	FLINT	48502
LF87369	10/13/2015	Lead	0	Copper	0			FLINT	48506
LF87370	10/13/2015	Lead	0	Copper	90			FLINT	48506
LF87372	10/13/2015	Lead	0	Copper	240			FLINT	48503
LF87378	10/13/2015	Lead	0	Copper	0			FLINT	48503
LF87379	10/13/2015	Lead	0	Copper	0			FLINT	
LF87383	10/13/2015	Lead	0	Copper	0			FLINT	48504
LF87386	10/13/2015	Lead	0	Copper	0			FLINT	48503
LF87392	10/13/2015	Lead	0	Copper	0			FLINT	
LF87394	10/13/2015	Lead	0	Copper	230			FLINT	48504
LF87395	10/13/2015	Lead	0	Copper	150			FLINT	48504
LF87397	10/13/2015	Lead	0	Copper	0			FLINT	48506
LF87398	10/13/2015	Lead	0	Copper	0			FLINT	48506
LF87405	10/13/2015	Lead	0	Copper	50		DR	FLINT	48503
LF87415	10/13/2015	Lead	0	Copper	0			FLINT	48503
LF87418	10/13/2015	Lead	0	Copper	0			FLINT	48505
LF87419	10/13/2015	Lead	0	Copper	0			FLINT	48504
LF87423	10/13/2015	Lead	0	Copper	150			FLINT	48503
LF87428	10/13/2015	Lead	0	Copper	0		NG AVE	FLINT	
LF87431	10/13/2015	Lead	0	Copper	70			FLINT	48507
LF87432	10/13/2015	Lead	0	Copper	0			FLINT	48504
LF87434	10/13/2015	Lead	0	Copper	0			FLINT	48505
LF87927	10/16/2015	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LF87929	10/16/2015	Lead	0	Copper	0			FLINT	48504
LF87932	10/16/2015	Lead	0	Copper	0			FLINT	48503
LF87938	10/16/2015	Lead	0	Copper	0			FLINT	48506
LF87942	10/16/2015	Lead	0	Copper	60			FLINT	48507
LF87946	10/16/2015	Lead	0	Copper	0			FLINT	
LF88280	10/20/2015	Lead	0	Copper	190			FLINT	48502
LF88281	10/20/2015	Lead	0	Copper	0			FLINT	48507
LF88283	10/20/2015	Lead	0	Copper	520			FLINT	48503
LF88284	10/20/2015	Lead	0	Copper	0		E	FLINT	48503
LF88285	10/20/2015	Lead	0	Copper	430			FLINT	48532
LF88286	10/20/2015	Lead	0	Copper	0			FLINT	48507
LF88292	10/20/2015	Lead	0	Copper	50			FLINT	48504
LF88293	10/20/2015	Lead	0	Copper	610			FLINT	48503
LF88295	10/20/2015	Lead	0	Copper	0			FLINT	48507
LF88296	10/20/2015	Lead	0	Copper	130			FLINT	
LF88298	10/20/2015	Lead	0	Copper	0			FLINT	48507
LF88302	10/20/2015	Lead	0	Copper	560			FLINT	48503
LF88306	10/20/2015	Lead	0	Copper	0			FLINT	48506
LF88308	10/20/2015	Lead	0	Copper	590			FLINT	48503
LF88309	10/20/2015	Lead	0	Copper	530			FLINT	48503
LF88310	10/20/2015	Lead	0	Copper	610			FLINT	48503
LF88313	10/20/2015	Lead	0	Copper	630			FLINT	48503
LF88316	10/20/2015	Lead	0	Copper	710			FLINT	48503
LF88317	10/20/2015	Lead	0	Copper	670			FLINT	48503
LF88318	10/20/2015	Lead	0	Copper	450			FLINT	48503
LF88319	10/20/2015	Lead	0	Copper	910			FLINT	48503
LF88323	10/20/2015	Lead	0	Copper	800			FLINT	48503
LF88325	10/20/2015	Lead	0	Copper	800			FLINT	48503
LF88950	10/26/2015	Lead	0	Copper	0			FLINT	48507
LF88952	10/26/2015	Lead	0	Copper	0			FLINT	48507
LF88953	10/26/2015	Lead	0	Copper	0		#10	FLINT	48507
LF88956	10/26/2015	Lead	0	Copper	80			FLINT	48532
LF88962	10/26/2015	Lead	0	Copper	0			FLINT	48506
LF88968	10/26/2015	Lead	0	Copper	410			FLINT	48507
LF88973	10/26/2015	Lead	0	Copper	0			FLINT	48507
LF89520	10/30/2015	Lead	0	Copper	70			FLINT	48506
LF89524	10/30/2015	Lead	0	Copper	0			FLINT	
LF89525	10/30/2015	Lead	0	Copper	60			FLINT	48506
LF89527	10/30/2015	Lead	0	Copper	0			FLINT	48503
LF89528	10/30/2015	Lead	0	Copper	0			FLINT	48504
LF90454	11/4/2015	Lead	0	Copper	570			FLINT	48504
LF90456	11/4/2015	Lead	0	Copper	0			FLINT	48503
LF90457	11/4/2015	Lead	0	Copper	0			FLINT	48503
LF90458	11/4/2015	Lead	0	Copper	320			FLINT	48507
LF90459	11/4/2015	Lead	0	Copper	0			FLINT	48503
LF90465	11/4/2015	Lead	0	Copper	80			FLINT	48504
LF90467	11/4/2015	Lead	0	Copper	0			FLINT	48504
LF90468	11/4/2015	Lead	0	Copper	80			FLINT	48504
LF91271	11/9/2015	Lead	0	Copper	90			FLINT	48507
LF91273	11/9/2015	Lead	0	Copper	100			FLINT	48503
LF91275	11/9/2015	Lead	0	Copper	190			FLINT	48503
LF91277	11/9/2015	Lead	0	Copper	170			FLINT	48504
LF91278	11/9/2015	Lead	0	Copper	0		R	FLINT	48506
LF91280	11/9/2015	Lead	0	Copper	190			FLINT	48503
LF91281	11/9/2015	Lead	0	Copper	0			FLINT	
LF91283	11/9/2015	Lead	0	Copper	0			FLINT	48503
LF91285	11/9/2015	Lead	0	Copper	100			FLINT	48503
LF91286	11/9/2015	Lead	0	Copper	0			FLINT	48503
LF91290	11/9/2015	Lead	0	Copper	60			FLINT	48506
LF91291	11/9/2015	Lead	0	Copper	0			FLINT	48506
LF92698	11/18/2015	Lead	0	Copper	0			FLINT	48503
LF92699	11/18/2015	Lead	0	Copper	120			FLINT	48507
LF92702	11/18/2015	Lead	0	Copper	0			FLINT	
LF92705	11/18/2015	Lead	0	Copper	0			FLINT	48506
LF92712	11/18/2015	Lead	0	Copper	0		D	FLINT	48505
LF92713	11/18/2015	Lead	0	Copper	0			FLINT	48503
LF92715	11/18/2015	Lead	0	Copper	0			FLINT	48505
LF92719	11/18/2015	Lead	0	Copper	80			FLINT	48504
LF92722	11/18/2015	Lead	0	Copper	100			FLINT	48507
LF92724	11/18/2015	Lead	0	Copper	0			FLINT	48507
LF92725	11/18/2015	Lead	0	Copper	50			FLINT	48504
LF92726	11/18/2015	Lead	0	Copper	0			FLINT	48506
LF92727	11/18/2015	Lead	0	Copper	0			FLINT	48503
LF92728	11/18/2015	Lead	0	Copper	50			FLINT	
LF92729	11/18/2015	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LF92730	11/18/2015	Lead	0	Copper	0			FLINT	48506
LF92735	11/18/2015	Lead	0	Copper	0			FLINT	
LF92736	11/18/2015	Lead	0	Copper	0			FLINT	48503
LF92737	11/18/2015	Lead	0	Copper	160			FLINT	48503
LF92738	11/18/2015	Lead	0	Copper	380		201	FLINT	48502
LF93550	11/24/2015	Lead	0	Copper	0		/FILTER	FLINT	48505
LF93554	11/24/2015	Lead	0	Copper	210			FLINT	48504
LF93561	11/24/2015	Lead	0	Copper	0			FLINT	48507
LF93567	11/24/2015	Lead	0	Copper	120		OXLEY)	FLINT	
LF93568	11/24/2015	Lead	0	Copper	0			FLINT	48504
LF93569	11/24/2015	Lead	0	Copper	0			FLINT	48503
LF93570	11/24/2015	Lead	0	Copper	0			FLINT	48504
LF93571	11/24/2015	Lead	0	Copper	0			FLINT	
LF93572	11/24/2015	Lead	0	Copper	0			FLINT	
LF93573	11/24/2015	Lead	0	Copper	0			FLINT	48503
LF93577	11/24/2015	Lead	0	Copper	0			FLINT	
LF93578	11/24/2015	Lead	0	Copper	50			FLINT	48503
LF93580	11/24/2015	Lead	0	Copper	0			FLINT	48507
LF93586	11/24/2015	Lead	0	Copper	90		I BOUND)	FLINT	48503
LF93589	11/24/2015	Lead	0	Copper	0			FLINT	48503
LF93591	11/24/2015	Lead	0	Copper	0			FLINT	48506
LF93592	11/24/2015	Lead	0	Copper	0			FLINT	48507
LF93593	11/24/2015	Lead	0	Copper	0			FLINT	48507
LF93594	11/24/2015	Lead	0	Copper	90			FLINT	48503
LF93595	11/24/2015	Lead	0	Copper	0			FLINT	48507
LF94259	12/2/2015	Lead	0	Copper	100			FLINT	
LF94263	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94265	12/2/2015	Lead	0	Copper	0			FLINT	48506
LF94269	12/2/2015	Lead	0	Copper	0			FLINT	
LF94270	12/2/2015	Lead	0	Copper	100			FLINT	48503
LF94272	12/2/2015	Lead	0	Copper	0			FLINT	48504
LF94280	12/2/2015	Lead	0	Copper	50			FLINT	48503
LF94284	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94285	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94286	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94287	12/2/2015	Lead	0	Copper	0			FLINT	48507
LF94288	12/2/2015	Lead	0	Copper	0			FLINT	48506
LF94289	12/2/2015	Lead	0	Copper	160			FLINT	
LF94290	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94291	12/2/2015	Lead	0	Copper	160			FLINT	48503
LF94293	12/2/2015	Lead	0	Copper	170			FLINT	48503
LF94294	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94296	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94299	12/2/2015	Lead	0	Copper	0			FLINT	48503
LF94301	12/2/2015	Lead	0	Copper	0			FLINT	48507
LF94303	12/2/2015	Lead	0	Copper	90			FLINT	48503
LF94304	12/2/2015	Lead	0	Copper	0			FLINT	
LF95909	12/10/2015	Lead	0	Copper	0			FLINT	48503
LF95910	12/10/2015	Lead	0	Copper	60			FLINT	48503
LF95912	12/10/2015	Lead	0	Copper	0			FLINT	48504
LF95916	12/10/2015	Lead	0	Copper	110			FLINT	48507
LF95921	12/10/2015	Lead	0	Copper	90			FLINT	48504
LF95923	12/10/2015	Lead	0	Copper	0			FLINT	48503
LF95925	12/10/2015	Lead	0	Copper	0			FLINT	48532
LF95926	12/10/2015	Lead	0	Copper	0			FLINT	48504
LF95928	12/10/2015	Lead	0	Copper	90			FLINT	48507
LF95930	12/10/2015	Lead	0	Copper	0			FLINT	48506
LF95932	12/10/2015	Lead	0	Copper	0			FLINT	***
LF97319	12/18/2015	Lead	0	Copper	0			FLINT	48507
LF97320	12/18/2015	Lead	0	Copper	0			FLINT	48504
LF97321	12/18/2015	Lead	0	Copper	0			FLINT	48503
LF97322	12/18/2015	Lead	0	Copper	90			FLINT	48503
LF97324	12/18/2015	Lead	0	Copper	0			FLINT	48503
LF97326	12/18/2015	Lead	0	Copper	0			FLINT	48503
LF97332	12/18/2015	Lead	0	Copper	0			FLINT	48505
LF97333	12/18/2015	Lead	0	Copper	100			FLINT	48506
LF97335	12/18/2015	Lead	0	Copper	90			FLINT	48503
LF97336	12/18/2015	Lead	0	Copper	0			FLINT	48503
LF97337	12/18/2015	Lead	0	Copper	0			FLINT	48505
LF97338	12/18/2015	Lead	0	Copper	0			FLINT	48503
LF97339	12/18/2015	Lead	0	Copper	0			FLINT	
LF97341	12/18/2015	Lead	0	Copper	0			FLINT	
LF97345	12/18/2015	Lead	0	Copper	0			FLINT	48532
LF97348	12/18/2015	Lead	0	Copper	120			FLINT	48507
LF97919	12/29/2015	Lead	0	Copper	210			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible] #	Street Name	City	Zip Code
LF97921	12/29/2015	Lead	0	Copper	0			FLINT	48507
LF97926	12/29/2015	Lead	0	Copper	0			FLINT	48506
LF97928	12/29/2015	Lead	0	Copper	0			FLINT	48507
LF97929	12/29/2015	Lead	0	Copper	0			FLINT	48504
LF97930	12/29/2015	Lead	0	Copper	0			FLINT	
LF97931	12/29/2015	Lead	0	Copper	0			FLINT	48505
LF97932	12/29/2015	Lead	0	Copper	0			FLINT	
LF97933	12/29/2015	Lead	0	Copper	0		LDG 15	FLINT	
LF97934	12/29/2015	Lead	0	Copper	0			FLINT	48505
LF97936	12/29/2015	Lead	0	Copper	0			FLINT	48505
LF97937	12/29/2015	Lead	0	Copper	0			FLINT	48503
LF97940	12/29/2015	Lead	0	Copper	0			FLINT	
LF97941	12/29/2015	Lead	0	Copper	140			FLINT	48504
LF97942	12/29/2015	Lead	0	Copper	50		E N	FLINT	
LF97944	12/29/2015	Lead	0	Copper	0		TA)	FLINT	48507
LF97947	12/29/2015	Lead	0	Copper	150			FLINT	48506
LF97951	12/29/2015	Lead	0	Copper	0			FLINT	
LF97953	12/29/2015	Lead	0	Copper	0			FLINT	
LF97956	12/29/2015	Lead	0	Copper	0			FLINT	
LF97958	12/29/2015	Lead	0	Copper	0			FLINT	48505
LF97960	12/29/2015	Lead	0	Copper	0		DG 29	FLINT	48505
LF97966	12/29/2015	Lead	0	Copper	0			FLINT	48507
LF97967	12/29/2015	Lead	0	Copper	0			FLINT	48507
LF97968	12/29/2015	Lead	0	Copper	140			FLINT	
LF97969	12/29/2015	Lead	0	Copper	130			FLINT	
LF97973	12/29/2015	Lead	0	Copper	0			FLINT	
LF97982	12/29/2015	Lead	0	Copper	280		ITHERAN CHURCH	FLINT	
LF99140	1/7/2016	Lead	0	Copper	0			FLINT	
LF99143	1/7/2016	Lead	0	Copper	0			FLINT	
LF99144	1/7/2016	Lead	0	Copper	60			FLINT	
LF99147	1/7/2016	Lead	0	Copper	0			FLINT	
LF99151	1/7/2016	Lead	0	Copper	120			FLINT	
LF99152	1/7/2016	Lead	0	Copper	0			FLINT	
LF99157	1/7/2016	Lead	0	Copper	90			FLINT	
LF99159	1/7/2016	Lead	0	Copper	0			FLINT	48505
LF99166	1/7/2016	Lead	0	Copper	420			FLINT	
LF99167	1/7/2016	Lead	0	Copper	0			FLINT	
LF99168	1/7/2016	Lead	0	Copper	340			FLINT	
LF99171	1/7/2016	Lead	0	Copper	0			FLINT	
LF99175	1/7/2016	Lead	0	Copper	60			FLINT	
LF99176	1/7/2016	Lead	0	Copper	90			FLINT	
LF99177	1/7/2016	Lead	0	Copper	0			FLINT	
LF99178	1/7/2016	Lead	0	Copper	60			FLINT	
LF99179	1/7/2016	Lead	0	Copper	50			FLINT	
LF99180	1/7/2016	Lead	0	Copper	0			FLINT	
LF99182	1/7/2016	Lead	0	Copper	0			FLINT	
LF99186	1/7/2016	Lead	0	Copper	70			FLINT	
LF99187	1/7/2016	Lead	0	Copper	60			FLINT	
LF99191	1/7/2016	Lead	0	Copper	80			FLINT	
LF99193	1/7/2016	Lead	0	Copper	0			FLINT	
LF99194	1/7/2016	Lead	0	Copper	0			FLINT	
LF99195	1/7/2016	Lead	0	Copper	110			FLINT	
LF99196	1/7/2016	Lead	0	Copper	60			FLINT	
LF99197	1/7/2016	Lead	0	Copper	0			FLINT	
LF99199	1/7/2016	Lead	0	Copper	60			FLINT	
LF99204	1/7/2016	Lead	0	Copper	50			FLINT	
LF99206	1/7/2016	Lead	0	Copper	0			FLINT	
LF99645	1/13/2016	Lead	0	Copper	0			FLINT	48503
LF99803	1/14/2016	Lead	0	Copper	100			FLINT	48504
LF99893	1/15/2016	Lead	0	Copper	0			FLINT	48507
LF99910	1/15/2016	Lead	0	Copper	0			FLINT	48506
LF99911	1/15/2016	Lead	0	Copper	0			FLINT	
LF99913	1/15/2016	Lead	0	Copper	0				48505
LF99918	1/15/2016	Lead	0	Copper	0				
LF99919	1/15/2016	Lead	0	Copper	0				
LF99921	1/15/2016	Lead	0	Copper	70			FLINT	48506
LF99924	1/15/2016	Lead	0	Copper	0				
LF99926	1/15/2016	Lead	0	Copper	0			FLINT	48503
LF99928	1/15/2016	Lead	0	Copper	50			FLINT	
LF99931	1/15/2016	Lead	0	Copper	0			FLINT	48503
LF99937	1/15/2016	Lead	0	Copper	0			FLINT	48503
LF99939	1/15/2016	Lead	0	Copper	0			FLINT	
LF99940	1/15/2016	Lead	0	Copper	0				
LF99943	1/15/2016	Lead	0	Copper	130				
LF99944	1/15/2016	Lead	0	Copper	130				48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LF99946	1/15/2016	Lead	0	Copper	0			
LF99949	1/15/2016	Lead	0	Copper	300			48507
LF99950	1/15/2016	Lead	0	Copper	0		FLINT	48503
LF99951	1/15/2016	Lead	0	Copper	0		FLINT	48507
LF99952	1/15/2016	Lead	0	Copper	0			
LF99953	1/15/2016	Lead	0	Copper	70			
LF99954	1/15/2016	Lead	0	Copper	120			48503
LF99956	1/15/2016	Lead	0	Copper	0		FLINT	48505
LF99959	1/15/2016	Lead	0	Copper	0		FLINT	48503
LF99962	1/15/2016	Lead	0	Copper	60	14	FLINT	48502
LF99963	1/15/2016	Lead	0	Copper	0		FLINT	48503
LF99967	1/15/2016	Lead	0	Copper	0	14	FLINT	48502
LF99969	1/15/2016	Lead	0	Copper	0		FLINT	48504
LF99970	1/15/2016	Lead	0	Copper	0		FLINT	48505
LF99971	1/15/2016	Lead	0	Copper	0		FLINT	48507
LF99972	1/15/2016	Lead	0	Copper	80		FLINT	48504
LF99973	1/15/2016	Lead	0	Copper	0		FLINT	48505
LF99974	1/15/2016	Lead	0	Copper	0		FLINT	48505
LF99980	1/15/2016	Lead	0	Copper	0		FLINT	
LF99981	1/15/2016	Lead	0	Copper	0		FLINT	
LF99982	1/15/2016	Lead	0	Copper	140		FLINT	48505
LF99983	1/15/2016	Lead	0	Copper	0		FLINT	48506
LF99989	1/15/2016	Lead	0	Copper	0			
LF99990	1/15/2016	Lead	0	Copper	50			
LF99991	1/15/2016	Lead	0	Copper	0		FLINT	***
LF99992	1/15/2016	Lead	0	Copper	170	OLICE DEPT	FLINT	48502
LF99993	1/15/2016	Lead	0	Copper	80		FLINT	48507
LF99995	1/15/2016	Lead	0	Copper	60		FLINT	48507
LF99997	1/15/2016	Lead	0	Copper	100		FLINT	48503
LG00000	1/15/2016	Lead	0	Copper	90		FLINT	48503
LG00003	1/15/2016	Lead	0	Copper	0		FLINT	48503
LG00009	1/15/2016	Lead	0	Copper	190		FLINT	48506
LG00010	1/15/2016	Lead	0	Copper	360		FLINT	48504
LG00011	1/15/2016	Lead	0	Copper	220		FLINT	48503
LG00343	1/19/2016	Lead	0	Copper	50		FLINT	48504
LG00450	1/19/2016	Lead	0	Copper	[redacted]		FLINT	48503
LG00451	1/19/2016	Lead	0	Copper	70		FLINT	48503
LG00452	1/19/2016	Lead	0	Copper	0			
LG00453	1/19/2016	Lead	0	Copper	90			
LG00454	1/19/2016	Lead	0	Copper	60		FLINT	48504
LG00455	1/19/2016	Lead	0	Copper	60		FLINT	48507
LG00456	1/19/2016	Lead	0	Copper	0		FLINT	48503
LG00458	1/19/2016	Lead	0	Copper	0		FLINT	48503
LG00459	1/19/2016	Lead	0	Copper	70		FLINT	48507
LG00463	1/19/2016	Lead	0	Copper	0		FLINT	48504
LG00467	1/19/2016	Lead	0	Copper	160		FLINT	48506
LG00468	1/19/2016	Lead	0	Copper	130		FLINT	48503
LG00469	1/19/2016	Lead	0	Copper	110		FLINT	48503
LG00471	1/19/2016	Lead	0	Copper	0		FLINT	48532
LG00472	1/19/2016	Lead	0	Copper	0		FLINT	48507
LG00473	1/19/2016	Lead	0	Copper	0		FLINT	48532
LG00474	1/19/2016	Lead	0	Copper	0		FLINT	48507
LG00476	1/19/2016	Lead	0	Copper	0		FLINT	48507
LG00478	1/19/2016	Lead	0	Copper	0			48507
LG00479	1/19/2016	Lead	0	Copper	0		FLINT	
LG00481	1/19/2016	Lead	0	Copper	0		FLINT	48507
LG00482	1/19/2016	Lead	0	Copper	150		FLINT	48503
LG00483	1/19/2016	Lead	0	Copper	0		FLINT	48503
LG00490	1/19/2016	Lead	0	Copper	0			48507
LG00491	1/19/2016	Lead	0	Copper	0		FLINT	48506
LG00492	1/19/2016	Lead	0	Copper	0		FLINT	48506
LG00493	1/19/2016	Lead	0	Copper	0		FLINT	48506
LG00494	1/19/2016	Lead	0	Copper	90		FLINT	48503
LG00495	1/19/2016	Lead	0	Copper	0		FLINT	48506
LG00496	1/19/2016	Lead	0	Copper	0		FLINT	48507
LG00497	1/19/2016	Lead	0	Copper	50		FLINT	48507
LG00498	1/19/2016	Lead	0	Copper	0		FLINT	48506
LG00499	1/19/2016	Lead	0	Copper	0		FLINT	48504
LG00500	1/19/2016	Lead	0	Copper	0		FLINT	48532
LG00501	1/19/2016	Lead	0	Copper	0		FLINT	48507
LG00503	1/19/2016	Lead	0	Copper	0		FLINT	48503
LG00506	1/19/2016	Lead	0	Copper	240		FLINT	48506
LG00509	1/19/2016	Lead	0	Copper	0		FLINT	48506
LG00510	1/19/2016	Lead	0	Copper	0		FLINT	48505
LG00513	1/19/2016	Lead	0	Copper	0		FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG00515	1/19/2016	Lead	0	Copper	80			FLINT	48507
LG00516	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00518	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG00522	1/19/2016	Lead	0	Copper	70			FLINT	48507
LG00532	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00535	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00537	1/19/2016	Lead	0	Copper	380			FLINT	48507
LG00540	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00543	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG00545	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG00547	1/19/2016	Lead	0	Copper	0			FLINT	48532
LG00549	1/19/2016	Lead	0	Copper	0			FLINT	
LG00550	1/19/2016	Lead	0	Copper	120			FLINT	
LG00553	1/19/2016	Lead	0	Copper	0				
LG00554	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00557	1/19/2016	Lead	0	Copper	0			FLINT	48505
LG00558	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00562	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00563	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00564	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00565	1/19/2016	Lead	0	Copper	50			FLINT	48506
LG00566	1/19/2016	Lead	0	Copper	0				
LG00569	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00571	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00572	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00579	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00584	1/19/2016	Lead	0	Copper	0			FLINT	
LG00585	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00586	1/19/2016	Lead	0	Copper	50		09	FLINT	48506
LG00590	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG00592	1/19/2016	Lead	0	Copper	0			FLINT	48506
LG00593	1/19/2016	Lead	0	Copper	230			FLINT	48507
LG00595	1/19/2016	Lead	0	Copper	0				48505
LG00596	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00597	1/19/2016	Lead	0	Copper	90			FLINT	48506
LG00598	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00605	1/19/2016	Lead	0	Copper	0			FLINT	48503
LG00606	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG00608	1/19/2016	Lead	0	Copper	0			FLINT	48504
LG00612	1/19/2016	Lead	0	Copper	0			FLINT	48505
LG00613	1/19/2016	Lead	0	Copper	70			FLINT	48507
LG00617	1/19/2016	Lead	0	Copper	0			FLINT	48507
LG00624	1/19/2016	Lead	0	Copper	80			FLINT	48503
LG00826	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00828	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00830	1/20/2016	Lead	0	Copper	0			FLINT	
LG00831	1/20/2016	Lead	0	Copper	0			FLINT	
LG00833	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00835	1/20/2016	Lead	0	Copper	210			FLINT	48503
LG00838	1/20/2016	Lead	0	Copper	0		T 4	FLINT	48503
LG00841	1/20/2016	Lead	0	Copper	0			FLINT	48504-706
LG00843	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00846	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00851	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00852	1/20/2016	Lead	0	Copper	60			FLINT	48505
LG00853	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00854	1/20/2016	Lead	0	Copper	50			FLINT	48507
LG00856	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00858	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00859	1/20/2016	Lead	0	Copper	0			FLINT	
LG00860	1/20/2016	Lead	0	Copper	70			FLINT	48507
LG00861	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00862	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00863	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00865	1/20/2016	Lead	0	Copper	230			FLINT	48503
LG00866	1/20/2016	Lead	0	Copper	340			FLINT	48503
LG00867	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00869	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00873	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00874	1/20/2016	Lead	0	Copper	0		GWAY	FLINT	48503
LG00875	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00879	1/20/2016	Lead	0	Copper	80			FLINT	48507
LG00881	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00883	1/20/2016	Lead	0	Copper	0			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St #	Street Name	City	Zip Code
LG00885	1/20/2016	Lead	0	Copper	190		[illegible]TON AVE	FLINT	48505
LG00886	1/20/2016	Lead	0	Copper	100			FLINT	48504
LG00890	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00891	1/20/2016	Lead	0	Copper	0			FLINT	48504
LG00892	1/20/2016	Lead	0	Copper	160			FLINT	48506
LG00893	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00898	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00900	1/20/2016	Lead	0	Copper	0			FLINT	
LG00902	1/20/2016	Lead	0	Copper	230			FLINT	48505
LG00903	1/20/2016	Lead	0	Copper	50			FLINT	48503
LG00904	1/20/2016	Lead	0	Copper	0			FLINT	48532
LG00906	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00907	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00910	1/20/2016	Lead	0	Copper	0			FLINT	48504
LG00912	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00915	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00917	1/20/2016	Lead	0	Copper	80			FLINT	48503
LG00923	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00925	1/20/2016	Lead	0	Copper	130		; TR	FLINT	48532
LG00926	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00929	1/20/2016	Lead	0	Copper	0			FLINT	48504
LG00932	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00934	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00940	1/20/2016	Lead	0	Copper	0			FLINT	48504
LG00941	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00945	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00947	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00948	1/20/2016	Lead	0	Copper	0			FLINT	
LG00949	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00950	1/20/2016	Lead	0	Copper	0		54	FLINT	48506
LG00951	1/20/2016	Lead	0	Copper	90			FLINT	48503
LG00954	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00955	1/20/2016	Lead	0	Copper	160			BURTON	48529
LG00956	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00958	1/20/2016	Lead	0	Copper	0			FLINT	
LG00959	1/20/2016	Lead	0	Copper	0			FLINT	
LG00960	1/20/2016	Lead	0	Copper	110			FLINT	
LG00961	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00963	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00964	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00965	1/20/2016	Lead	0	Copper	50			FLINT	48503
LG00967	1/20/2016	Lead	0	Copper	70			FLINT	
LG00969	1/20/2016	Lead	0	Copper	0			FLINT	
LG00970	1/20/2016	Lead	0	Copper	180			FLINT	48506
LG00971	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00972	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00974	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG00975	1/20/2016	Lead	0	Copper	70			FLINT	48507
LG00977	1/20/2016	Lead	0	Copper	0		IE	FLINT	48507
LG00979	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG00983	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG00984	1/20/2016	Lead	0	Copper	170			FLINT	48506
LG00986	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00987	1/20/2016	Lead	0	Copper	150			FLINT	48507
LG00988	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00990	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00991	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00994	1/20/2016	Lead	0	Copper	90			FLINT	48507
LG00995	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00996	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG00998	1/20/2016	Lead	0	Copper	0			FLINT	
LG00999	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG01000	1/20/2016	Lead	0	Copper	0			BURTON	
LG01001	1/20/2016	Lead	0	Copper	0			FLINT	48506
LG01003	1/20/2016	Lead	0	Copper	0			FLINT	48507
LG01004	1/20/2016	Lead	0	Copper	110				
LG01005	1/20/2016	Lead	0	Copper	60			FLINT	48506
LG01007	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG01009	1/20/2016	Lead	0	Copper	60		L4	FLINT	48502
LG01010	1/20/2016	Lead	0	Copper	0				
LG01012	1/20/2016	Lead	0	Copper	0				
LG01013	1/20/2016	Lead	0	Copper	190			FLINT	48506
LG01014	1/20/2016	Lead	0	Copper	0			FLINT	48505
LG01015	1/20/2016	Lead	0	Copper	0			FLINT	48503
LG01178	1/21/2016	Lead	0	Copper	60			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St... ...r #	Street Name	City	Zip Code
LG01183	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01184	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01185	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG01186	1/21/2016	Lead	0	Copper	60			FLINT	48504
LG01187	1/21/2016	Lead	0	Copper	0		3	FLINT	48502
LG01188	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01189	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01190	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01191	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01194	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01195	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01197	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01199	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01201	1/21/2016	Lead	0	Copper	220			FLINT	48507
LG01202	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01203	1/21/2016	Lead	0	Copper	230			FLINT	48506
LG01204	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01205	1/21/2016	Lead	0	Copper	120			FLINT	48504
LG01206	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01209	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01212	1/21/2016	Lead	0	Copper	190			FLINT	48503
LG01213	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01216	1/21/2016	Lead	0	Copper	50			FLINT	48507
LG01217	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01220	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01221	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01222	1/21/2016	Lead	0	Copper	80			FLINT	48503
LG01223	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01229	1/21/2016	Lead	0	Copper	90			FLINT	48503
LG01232	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01236	1/21/2016	Lead	0	Copper	0			FLINT	
LG01238	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01239	1/21/2016	Lead	0	Copper	60		12	FLINT	
LG01241	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01242	1/21/2016	Lead	0	Copper	70			FLINT	48504
LG01245	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01250	1/21/2016	Lead	0	Copper	370		STE 105	FLINT	48507
LG01251	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01252	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG01253	1/21/2016	Lead	0	Copper	90			FLINT	48507
LG01254	1/21/2016	Lead	0	Copper	0			FLINT	
LG01256	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01257	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01262	1/21/2016	Lead	0	Copper	60			FLINT	48505
LG01263	1/21/2016	Lead	0	Copper	0			FLINT	
LG01265	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01268	1/21/2016	Lead	0	Copper	0			FLINT	
LG01269	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01270	1/21/2016	Lead	0	Copper	0		)AD	FLINT	48507
LG01273	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG01274	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01276	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01278	1/21/2016	Lead	0	Copper	0	[illegible]		FLINT	48507
LG01279	1/21/2016	Lead	0	Copper	100			FLINT	48505
LG01283	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01287	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01288	1/21/2016	Lead	0	Copper	70			FLINT	48504
LG01289	1/21/2016	Lead	0	Copper	50			FLINT	48505
LG01290	1/21/2016	Lead	0	Copper	90			FLINT	48507
LG01291	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01292	1/21/2016	Lead	0	Copper	110			FLINT	48532
LG01294	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01298	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01299	1/21/2016	Lead	0	Copper	90			FLINT	48505
LG01302	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01304	1/21/2016	Lead	0	Copper	60			FLINT	48503
LG01305	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01306	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01308	1/21/2016	Lead	0	Copper	150			FLINT	48529
LG01309	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01311	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01312	1/21/2016	Lead	0	Copper	170		1	FLINT	48503
LG01313	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01314	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01316	1/21/2016	Lead	0	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG01318	1/21/2016	Lead	0	Copper	180			FLINT	48503
LG01319	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01320	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG01327	1/21/2016	Lead	0	Copper	190			FLINT	48505
LG01328	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01330	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG01331	1/21/2016	Lead	0	Copper	130			FLINT	48507
LG01333	1/21/2016	Lead	0	Copper	50			FLINT	48507
LG01334	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01337	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01338	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01341	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01343	1/21/2016	Lead	0	Copper	140			FLINT	48507
LG01345	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01346	1/21/2016	Lead	0	Copper	0		E	FLINT	48504
LG01350	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01352	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01353	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG01355	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01356	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01357	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01358	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01359	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01360	1/21/2016	Lead	0	Copper	190			FLINT	48503
LG01364	1/21/2016	Lead	0	Copper	50			FLINT	48507
LG01365	1/21/2016	Lead	0	Copper	90				
LG01369	1/21/2016	Lead	0	Copper	0		E	FLINT	48503
LG01370	1/21/2016	Lead	0	Copper	100			FLINT	48503
LG01376	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01377	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01378	1/21/2016	Lead	0	Copper	70			FLINT	48503
LG01380	1/21/2016	Lead	0	Copper	70			FLINT	48503
LG01382	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01384	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG01385	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01386	1/21/2016	Lead	0	Copper	100			FLINT	48506
LG01387	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01388	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01390	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01391	1/21/2016	Lead	0	Copper	0			FLINT	
LG01392	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01395	1/21/2016	Lead	0	Copper	150			FLINT	48507
LG01397	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01399	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01401	1/21/2016	Lead	0	Copper	210			FLINT	48506
LG01403	1/21/2016	Lead	0	Copper	0		G	FLINT	48507
LG01404	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01406	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01407	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01410	1/21/2016	Lead	0	Copper	0			FLINT	
LG01414	1/21/2016	Lead	0	Copper	110			FLINT	48507
LG01415	1/21/2016	Lead	0	Copper	50			FLINT	48507
LG01416	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01418	1/21/2016	Lead	0	Copper	0		NSHIP	FLINT	48504
LG01419	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01420	1/21/2016	Lead	0	Copper	50			FLINT	
LG01423	1/21/2016	Lead	0	Copper	60			FLINT	
LG01424	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01426	1/21/2016	Lead	0	Copper	100			FLINT	48507
LG01427	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01428	1/21/2016	Lead	0	Copper	100			FLINT	48503
LG01430	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01431	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01433	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01434	1/21/2016	Lead	0	Copper	50			FLINT	48507
LG01435	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01437	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01438	1/21/2016	Lead	0	Copper	180		05	FLINT	48503
LG01439	1/21/2016	Lead	0	Copper	110			FLINT	48504
LG01441	1/21/2016	Lead	0	Copper	0			FLINT	
LG01443	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01445	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01446	1/21/2016	Lead	0	Copper	100			FLINT	48504
LG01447	1/21/2016	Lead	0	Copper	0			FLINT	
LG01449	1/21/2016	Lead	0	Copper	50			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG01451	1/21/2016	Lead	0	Copper	0	1		FLINT	48502
LG01454	1/21/2016	Lead	0	Copper	0			FLINT	
LG01457	1/21/2016	Lead	0	Copper	0		ILVD	FLINT	
LG01459	1/21/2016	Lead	0	Copper	200			FLINT	48503
LG01460	1/21/2016	Lead	0	Copper	50			FLINT	48505
LG01464	1/21/2016	Lead	0	Copper	240			FLINT	48505
LG01465	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG01466	1/21/2016	Lead	0	Copper	140			FLINT	48505
LG01468	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG01469	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01470	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01471	1/21/2016	Lead	0	Copper	130				
LG01472	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01473	1/21/2016	Lead	0	Copper	60		LE APT C	FLINT	48503
LG01474	1/21/2016	Lead	0	Copper	140		E	FLINT	48503
LG01475	1/21/2016	Lead	0	Copper	120		48	FLINT	48506
LG01476	1/21/2016	Lead	0	Copper	0			FLINT	
LG01477	1/21/2016	Lead	0	Copper	0			FLINT	
LG01478	1/21/2016	Lead	0	Copper	60				
LG01480	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01481	1/21/2016	Lead	0	Copper	240			FLINT	48505
LG01482	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01484	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01485	1/21/2016	Lead	0	Copper	60			FLINT	
LG01486	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01489	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01490	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01492	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01493	1/21/2016	Lead	0	Copper	0		3	FLINT	48506
LG01494	1/21/2016	Lead	0	Copper	50			FLINT	48505
LG01498	1/21/2016	Lead	0	Copper	70			FLINT	48505
LG01503	1/21/2016	Lead	0	Copper	210			FLINT	48506
LG01505	1/21/2016	Lead	0	Copper	110			FLINT	48506
LG01507	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01508	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01509	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01510	1/21/2016	Lead	0	Copper	340			FLINT	48504
LG01511	1/21/2016	Lead	0	Copper	50			FLINT	48503
LG01512	1/21/2016	Lead	0	Copper	50			FLINT	48503
LG01514	1/21/2016	Lead	0	Copper	130		IE	FLINT	48506
LG01515	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01516	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01517	1/21/2016	Lead	0	Copper	160			FLINT	48506
LG01519	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01520	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01524	1/21/2016	Lead	0	Copper	140			FLINT	
LG01525	1/21/2016	Lead	0	Copper	70			FLINT	
LG01527	1/21/2016	Lead	0	Copper	100		I	FLINT	48504
LG01528	1/21/2016	Lead	0	Copper	0			FLINT	48514
LG01531	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01533	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01535	1/21/2016	Lead	0	Copper	0			FLINT	48507-5656
LG01536	1/21/2016	Lead	0	Copper	0		DR	FLINT	48506
LG01538	1/21/2016	Lead	0	Copper	90			FLINT	48507
LG01539	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01542	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG01549	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01550	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01551	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01552	1/21/2016	Lead	0	Copper	0		T A	FLINT	48503
LG01553	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01555	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01557	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01559	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01561	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01565	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG01566	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01571	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01573	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01575	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01577	1/21/2016	Lead	0	Copper	0			FLINT	
LG01590	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG01591	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01592	1/21/2016	Lead	0	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG01593	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG01596	1/21/2016	Lead	0	Copper	100			FLINT	
LG01598	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01600	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG01601	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01602	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01605	1/21/2016	Lead	0	Copper	160		4	FLINT	48503
LG01607	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01608	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01617	1/21/2016	Lead	0	Copper	130			FLINT	48506
LG01619	1/21/2016	Lead	0	Copper	500			FLINT	48506
LG01620	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG01621	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01625	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01627	1/21/2016	Lead	0	Copper	360			FLINT	48503
LG01628	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG01632	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG01634	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01637	1/21/2016	Lead	0	Copper	120			FLINT	48504
LG01640	1/21/2016	Lead	0	Copper	0			FLINT	
LG01643	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01644	1/21/2016	Lead	0	Copper	80			FLINT	48506
LG01646	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG01648	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01650	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01651	1/21/2016	Lead	0	Copper	0	G		FLINT	48506
LG01652	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01653	1/21/2016	Lead	0	Copper	90			FLINT	48506
LG01654	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01655	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG01658	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01661	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01662	1/21/2016	Lead	0	Copper	70		RIVE	FLINT	48506
LG01663	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG01664	1/21/2016	Lead	0	Copper	120			FLINT	48506
LG01666	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01667	1/21/2016	Lead	0	Copper	0			FLINT	
LG01673	1/21/2016	Lead	0	Copper	50			FLINT	48506
LG01674	1/21/2016	Lead	0	Copper	70			FLINT	48503
LG01675	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01677	1/21/2016	Lead	0	Copper	0			FLINT	
LG01679	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01680	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01681	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01684	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01690	1/21/2016	Lead	0	Copper	70			FLINT	48505
LG01691	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01692	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01695	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01698	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01700	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01702	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01703	1/21/2016	Lead	0	Copper	50			FLINT	48504
LG01704	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01706	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01709	1/21/2016	Lead	0	Copper	200			FLINT	48507
LG01710	1/21/2016	Lead	0	Copper	50			FLINT	48503
LG01713	1/21/2016	Lead	0	Copper	170			FLINT	48507
LG01714	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG01716	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG01717	1/21/2016	Lead	0	Copper	130				
LG01718	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01721	1/21/2016	Lead	0	Copper	90			FLINT	48507
LG01722	1/21/2016	Lead	0	Copper	90			FLINT	48505
LG01723	1/21/2016	Lead	0	Copper	100				
LG01724	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01726	1/21/2016	Lead	0	Copper	250		403	FLINT	48502
LG01727	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01728	1/21/2016	Lead	0	Copper	260			FLINT	48507
LG01730	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01731	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG01732	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01733	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG01734	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01737	1/21/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01739	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01741	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01743	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01744	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01745	1/21/2016	Lead	0	Copper	160			FLINT	48507
LG01746	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG01747	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01748	1/21/2016	Lead	0	Copper	170			FLINT	48504
LG01749	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01751	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01753	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01754	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01755	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01757	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01759	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01761	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01763	1/21/2016	Lead	0	Copper	0			FLINT	48532
LG01764	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01765	1/21/2016	Lead	0	Copper	110			FLINT	48507
LG01766	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01770	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01771	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01772	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01773	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01776	1/21/2016	Lead	0	Copper	60			FLINT	
LG01778	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01779	1/21/2016	Lead	0	Copper	90			FLINT	48507
LG01780	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01781	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01782	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01785	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG01786	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01787	1/21/2016	Lead	0	Copper	0	4		FLINT	48506
LG01788	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01789	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01790	1/21/2016	Lead	0	Copper	0			FLINT	
LG01793	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01794	1/21/2016	Lead	0	Copper	80		N	FLINT	48506
LG01796	1/21/2016	Lead	0	Copper	580			FLINT	48507
LG01797	1/21/2016	Lead	0	Copper	50			FLINT	
LG01799	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01801	1/21/2016	Lead	0	Copper	0		VD	FLINT	
LG01802	1/21/2016	Lead	0	Copper	0			FLINT	
LG01803	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01804	1/21/2016	Lead	0	Copper	250			FLINT	48506
LG01805	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01806	1/21/2016	Lead	0	Copper	0		218	FLINT	48506
LG01807	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01809	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01810	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01812	1/21/2016	Lead	0	Copper	200			FLINT	48506
LG01813	1/21/2016	Lead	0	Copper	0				
LG01815	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG01816	1/21/2016	Lead	0	Copper	110			FLINT	48506
LG01817	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG01818	1/21/2016	Lead	0	Copper	80			FLINT	48532
LG01821	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01822	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01824	1/21/2016	Lead	0	Copper	0				48506
LG01825	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01826	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01827	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01828	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01831	1/21/2016	Lead	0	Copper	370			FLINT	48506
LG01832	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01833	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01834	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG01835	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01836	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01837	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01839	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG01841	1/21/2016	Lead	0	Copper	100			FLINT	48504
LG01843	1/21/2016	Lead	0	Copper	80			FLINT	48503
LG01844	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01846	1/21/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	[illegible]	et Name	City	Zip Code
LG01847	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01848	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01849	1/21/2016	Lead	0	Copper	0			12	FLINT	48507
LG01854	1/21/2016	Lead	0	Copper	80				FLINT	48507
LG01856	1/21/2016	Lead	0	Copper	160				FLINT	48503
LG01858	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01859	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01861	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01862	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01863	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01864	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01869	1/21/2016	Lead	0	Copper	0				FLINT	48505
LG01870	1/21/2016	Lead	0	Copper	120				FLINT	48507
LG01871	1/21/2016	Lead	0	Copper	170				FLINT	48503
LG01874	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01875	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01877	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01880	1/21/2016	Lead	0	Copper	90				FLINT	48504
LG01882	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01884	1/21/2016	Lead	0	Copper	0				FLINT	
LG01886	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01887	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01890	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01892	1/21/2016	Lead	0	Copper	0				FLINT	
LG01895	1/21/2016	Lead	0	Copper	0				FLINT	48504
LG01896	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01897	1/21/2016	Lead	0	Copper	60				FLINT	48504
LG01900	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01903	1/21/2016	Lead	0	Copper	220				FLINT	48529
LG01906	1/21/2016	Lead	0	Copper	60				FLINT	48507
LG01907	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01908	1/21/2016	Lead	0	Copper	0				FLINT	48504
LG01909	1/21/2016	Lead	0	Copper	0				FLINT	
LG01910	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01911	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01914	1/21/2016	Lead	0	Copper	60				FLINT	48507
LG01917	1/21/2016	Lead	0	Copper	300				BURTON	
LG01918	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01919	1/21/2016	Lead	0	Copper	0				FLINT	48504
LG01920	1/21/2016	Lead	0	Copper	120				FLINT	48503
LG01922	1/21/2016	Lead	0	Copper	0				FLINT	48505
LG01925	1/21/2016	Lead	0	Copper	200				FLINT	48507
LG01931	1/21/2016	Lead	0	Copper	50			DR	FLINT	48503
LG01932	1/21/2016	Lead	0	Copper	0			APT 1	FLINT	48502
LG01934	1/21/2016	Lead	0	Copper	0				FLINT	48505
LG01936	1/21/2016	Lead	0	Copper	0					
LG01938	1/21/2016	Lead	0	Copper	0				FLINT	48505
LG01939	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01944	1/21/2016	Lead	0	Copper	0				FLINT	48505
LG01946	1/21/2016	Lead	0	Copper	90				FLINT	48504
LG01947	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01948	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01949	1/21/2016	Lead	0	Copper	230				FLINT	48506
LG01951	1/21/2016	Lead	0	Copper	180				BURTON	48529
LG01952	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01953	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01954	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01955	1/21/2016	Lead	0	Copper	0				FLINT	48529
LG01956	1/21/2016	Lead	0	Copper	140				FLINT	48503
LG01959	1/21/2016	Lead	0	Copper	0				FLINT	48504
LG01960	1/21/2016	Lead	0	Copper	0				FLINT	48506
LG01961	1/21/2016	Lead	0	Copper	0			WOOD APT)	FLINT	48506
LG01963	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01967	1/21/2016	Lead	0	Copper	0				FLINT	
LG01969	1/21/2016	Lead	0	Copper	0					
LG01970	1/21/2016	Lead	0	Copper	0				FLINT	48507
LG01971	1/21/2016	Lead	0	Copper	0					
LG01972	1/21/2016	Lead	0	Copper	0				FLINT	48532
LG01975	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01977	1/21/2016	Lead	0	Copper	0				FLINT	48503
LG01978	1/21/2016	Lead	0	Copper	70				FLINT	48504
LG01982	1/21/2016	Lead	0	Copper	0				FLINT	48532
LG01985	1/21/2016	Lead	0	Copper	0				FLINT	48505
LG01986	1/21/2016	Lead	0	Copper	390				FLINT	48507
LG01987	1/21/2016	Lead	0	Copper	0				FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG01990	1/21/2016	Lead	0	Copper	80			FLINT	48504
LG01991	1/21/2016	Lead	0	Copper	0				
LG01993	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG01994	1/21/2016	Lead	0	Copper	80			FLINT	48505
LG01995	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG01996	1/21/2016	Lead	0	Copper	130			FLINT	48505
LG01999	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02000	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02002	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02003	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02005	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02007	1/21/2016	Lead	0	Copper	0				
LG02011	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02015	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02016	1/21/2016	Lead	0	Copper	150			FLINT	48504
LG02017	1/21/2016	Lead	0	Copper	0		AVE	FLINT	48505
LG02018	1/21/2016	Lead	0	Copper	130			FLINT	48504
LG02019	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02020	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02022	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02023	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02024	1/21/2016	Lead	0	Copper	110			FLINT	48506
LG02025	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02029	1/21/2016	Lead	0	Copper	90			FLINT	48503
LG02031	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02032	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02033	1/21/2016	Lead	0	Copper	60			FLINT	48504
LG02036	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02037	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02038	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02041	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02042	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02045	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02046	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02050	1/21/2016	Lead	0	Copper	70			FLINT	48507
LG02055	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02058	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02060	1/21/2016	Lead	0	Copper	80			FLINT	48503
LG02063	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02065	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02066	1/21/2016	Lead	0	Copper	110			FLINT	48503
LG02067	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02068	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02069	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02070	1/21/2016	Lead	0	Copper	130			FLINT	48507
LG02071	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02079	1/21/2016	Lead	0	Copper	0		ING OFFICE)	FLINT	48507
LG02080	1/21/2016	Lead	0	Copper	90			FLINT	
LG02081	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02082	1/21/2016	Lead	0	Copper	70			FLINT	48504
LG02085	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02086	1/21/2016	Lead	0	Copper	0		/E	FLINT	48505
LG02087	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02089	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02091	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02092	1/21/2016	Lead	0	Copper	90			FLINT	
LG02094	1/21/2016	Lead	0	Copper	60			FLINT	48505
LG02095	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02096	1/21/2016	Lead	0	Copper	0				
LG02097	1/21/2016	Lead	0	Copper	120			FLINT	48504
LG02101	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02106	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02108	1/21/2016	Lead	0	Copper	0		UE	FLINT	48505
LG02112	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02116	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02117	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02118	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02120	1/21/2016	Lead	0	Copper	0			FLINT	
LG02121	1/21/2016	Lead	0	Copper	90				
LG02123	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02124	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02126	1/21/2016	Lead	0	Copper	60			FLINT	48505
LG02128	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02129	1/21/2016	Lead	0	Copper	0		5	FLINT	48506
LG02131	1/21/2016	Lead	0	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02132	1/21/2016	Lead	0	Copper	380			FLINT	48507
LG02135	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02139	1/21/2016	Lead	0	Copper	80			FLINT	48506
LG02141	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02143	1/21/2016	Lead	0	Copper	70			FLINT	48506
LG02145	1/21/2016	Lead	0	Copper	140			FLINT	48506
LG02146	1/21/2016	Lead	0	Copper	60			FLINT	48506
LG02147	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02148	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02150	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02151	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02152	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02153	1/21/2016	Lead	0	Copper	100			FLINT	48507
LG02155	1/21/2016	Lead	0	Copper	0			FLINT	48507
LG02157	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02158	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02159	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02162	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02170	1/21/2016	Lead	0	Copper	70			FLINT	48506
LG02172	1/21/2016	Lead	0	Copper	100			FLINT	48503
LG02173	1/21/2016	Lead	0	Copper	0				
LG02176	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02177	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02178	1/21/2016	Lead	0	Copper	100			FLINT	48507
LG02182	1/21/2016	Lead	0	Copper	80			FLINT	48504
LG02186	1/21/2016	Lead	0	Copper	120			FLINT	48507
LG02191	1/21/2016	Lead	0	Copper	0			FLINT	48505
LG02193	1/21/2016	Lead	0	Copper	0			FLINT	
LG02196	1/21/2016	Lead	0	Copper	0			FLINT	
LG02197	1/21/2016	Lead	0	Copper	80			FLINT	48506
LG02199	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02200	1/21/2016	Lead	0	Copper	1,100			BURTON	48529
LG02201	1/21/2016	Lead	0	Copper	0			FLINT	
LG02206	1/21/2016	Lead	0	Copper	210			FLINT	48506
LG02208	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG02210	1/21/2016	Lead	0	Copper	60			FLINT	48507
LG02215	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02218	1/21/2016	Lead	0	Copper	0			FLINT	48504
LG02219	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02220	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02226	1/21/2016	Lead	0	Copper	0			FLINT	48506
LG02229	1/21/2016	Lead	0	Copper	110			FLINT	48507
LG02231	1/21/2016	Lead	0	Copper	0			FLINT	48503
LG02233	1/21/2016	Lead	0	Copper	200		12	FLINT	48509
LG02303	1/22/2016	Lead	0	Copper	100			FLINT	48503
LG02304	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02305	1/22/2016	Lead	0	Copper	80			FLINT	48507
LG02306	1/22/2016	Lead	0	Copper	180			FLINT	48503
LG02307	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02310	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02311	1/22/2016	Lead	0	Copper	110			FLINT	48504
LG02312	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02313	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02314	1/22/2016	Lead	0	Copper	50			FLINT	48507
LG02315	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02320	1/22/2016	Lead	0	Copper	400				
LG02321	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02322	1/22/2016	Lead	0	Copper	120			FLINT	48503
LG02324	1/22/2016	Lead	0	Copper	60			FLINT	48503
LG02325	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02326	1/22/2016	Lead	0	Copper	0			FLINT	
LG02328	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02329	1/22/2016	Lead	0	Copper	130			FLINT	48507
LG02330	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02331	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02332	1/22/2016	Lead	0	Copper	110			FLINT	48504
LG02333	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02334	1/22/2016	Lead	0	Copper	80			FLINT	48504
LG02335	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02336	1/22/2016	Lead	0	Copper	90			FLINT	48506
LG02337	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02339	1/22/2016	Lead	0	Copper	120			FLINT	48503
LG02341	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02343	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02344	1/22/2016	Lead	0	Copper	110			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02345	1/22/2016	Lead	0	Copper	80			FLINT	48503
LG02348	1/22/2016	Lead	0	Copper	100		E 200	FLINT	48502
LG02351	1/22/2016	Lead	0	Copper	0			FLINT	48532
LG02353	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02354	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02356	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02358	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02359	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02365	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02366	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02369	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02370	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02371	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02372	1/22/2016	Lead	0	Copper	0		I AVE	FLINT	48503
LG02374	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02375	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02378	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02381	1/22/2016	Lead	0	Copper	0			FLINT	48439
LG02383	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02384	1/22/2016	Lead	0	Copper	0			FLINT	
LG02385	1/22/2016	Lead	0	Copper	100			FLINT	48532
LG02386	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02388	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02389	1/22/2016	Lead	0	Copper	70			FLINT	48532
LG02391	1/22/2016	Lead	0	Copper	0			FLINT	
LG02393	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02394	1/22/2016	Lead	0	Copper	300			FLINT	48506
LG02395	1/22/2016	Lead	0	Copper	0			FLINT	
LG02396	1/22/2016	Lead	0	Copper	80			FLINT	48506
LG02397	1/22/2016	Lead	0	Copper	100			FLINT	48504
LG02399	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02402	1/22/2016	Lead	0	Copper	320		E 5	FLINT	48507
LG02403	1/22/2016	Lead	0	Copper	0		E	FLINT	48504
LG02405	1/22/2016	Lead	0	Copper	70			FLINT	48503
LG02406	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02410	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02411	1/22/2016	Lead	0	Copper	200			FLINT	48503
LG02416	1/22/2016	Lead	0	Copper	200			BURTON	48529
LG02418	1/22/2016	Lead	0	Copper	0				
LG02420	1/22/2016	Lead	0	Copper	100			FLINT	48507
LG02422	1/22/2016	Lead	0	Copper	60			FLINT	48506
LG02423	1/22/2016	Lead	0	Copper	0		AVENUE	FLINT	
LG02425	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02427	1/22/2016	Lead	0	Copper	210			FLINT	48505
LG02428	1/22/2016	Lead	0	Copper	70			FLINT	48504
LG02429	1/22/2016	Lead	0	Copper	50			FLINT	48506
LG02435	1/22/2016	Lead	0	Copper	210			FLINT	48503
LG02437	1/22/2016	Lead	0	Copper	110			FLINT	48503
LG02440	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02441	1/22/2016	Lead	0	Copper	60			FLINT	48503
LG02445	1/22/2016	Lead	0	Copper	170			FLINT	48503
LG02447	1/22/2016	Lead	0	Copper	0			FLINT	
LG02450	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02452	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02455	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02456	1/22/2016	Lead	0	Copper	0			FLINT	48532
LG02457	1/22/2016	Lead	0	Copper	80			FLINT	48503-2812
LG02464	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02466	1/22/2016	Lead	0	Copper	110			FLINT	48507
LG02467	1/22/2016	Lead	0	Copper	240		E	FLINT	48503
LG02468	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02469	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02470	1/22/2016	Lead	0	Copper	0		E	FLINT	48505
LG02473	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02475	1/22/2016	Lead	0	Copper	0			FLINT	
LG02476	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02477	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02478	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02479	1/22/2016	Lead	0	Copper	180		T #106	FLINT	48504
LG02481	1/22/2016	Lead	0	Copper	60			FLINT	48507
LG02483	1/22/2016	Lead	0	Copper	60			FLINT	48504
LG02485	1/22/2016	Lead	0	Copper	110			FLINT	48506-2665
LG02486	1/22/2016	Lead	0	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02487	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02488	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02489	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02490	1/22/2016	Lead	0	Copper	0				
LG02496	1/22/2016	Lead	0	Copper	0			FLINT	
LG02497	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02498	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02499	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02504	1/22/2016	Lead	0	Copper	60		OT 13	FLINT	48506
LG02508	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02509	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02510	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02512	1/22/2016	Lead	0	Copper	0			FLINT	48502
LG02514	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02515	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02517	1/22/2016	Lead	0	Copper	90			FLINT	48506
LG02522	1/22/2016	Lead	0	Copper	60			FLINT	48505
LG02523	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02524	1/22/2016	Lead	0	Copper	60			FLINT	48532
LG02526	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02528	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02529	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02530	1/22/2016	Lead	0	Copper	120			FLINT	48505
LG02531	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02532	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02535	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02536	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02539	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02540	1/22/2016	Lead	0	Copper	60			FLINT	48505
LG02541	1/22/2016	Lead	0	Copper	70			FLINT	48506-2680
LG02542	1/22/2016	Lead	0	Copper	80			FLINT	48506
LG02545	1/22/2016	Lead	0	Copper	80			FLINT	48506
LG02548	1/22/2016	Lead	0	Copper	90			FLINT	48505
LG02549	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02550	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02551	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02552	1/22/2016	Lead	0	Copper	70			FLINT	48503
LG02553	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02555	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02557	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02558	1/22/2016	Lead	0	Copper	60			FLINT	48503
LG02562	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02563	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02567	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02570	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02571	1/22/2016	Lead	0	Copper	50			FLINT	48506
LG02573	1/22/2016	Lead	0	Copper	0			FLINT	48506
LG02578	1/22/2016	Lead	0	Copper	50			FLINT	48504
LG02579	1/22/2016	Lead	0	Copper	90			FLINT	48504
LG02580	1/22/2016	Lead	0	Copper	80			FLINT	48503
LG02581	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02585	1/22/2016	Lead	0	Copper	180				
LG02586	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02590	1/22/2016	Lead	0	Copper	120			FLINT	48504
LG02591	1/22/2016	Lead	0	Copper	80			FLINT	48507
LG02592	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02593	1/22/2016	Lead	0	Copper	50			FLINT	48507
LG02596	1/22/2016	Lead	0	Copper	0				
LG02597	1/22/2016	Lead	0	Copper	0		14	FLINT	48504
LG02598	1/22/2016	Lead	0	Copper	0			FLINT	48532
LG02599	1/22/2016	Lead	0	Copper	190			FLINT	48503
LG02600	1/22/2016	Lead	0	Copper	0		E	FLINT	48505
LG02601	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02602	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02603	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02605	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02606	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02607	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02608	1/22/2016	Lead	0	Copper	150			FLINT	48504
LG02611	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02613	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02614	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02615	1/22/2016	Lead	0	Copper	0			FLINT	48504
LG02617	1/22/2016	Lead	0	Copper	60		208	FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02618	1/22/2016	Lead	0	Copper	0		AVE	FLINT	48506
LG02619	1/22/2016	Lead	0	Copper	0		115	FLINT	48506
LG02621	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02623	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02624	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02625	1/22/2016	Lead	0	Copper	0			FLINT	48503
LG02626	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02629	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02631	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02632	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02633	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02635	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02636	1/22/2016	Lead	0	Copper	0			FLINT	48507
LG02637	1/22/2016	Lead	0	Copper	50			FLINT	48505
LG02639	1/22/2016	Lead	0	Copper	0			FLINT	48505
LG02668	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02669	1/23/2016	Lead	0	Copper	190			FLINT	48503
LG02671	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02672	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02673	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02674	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02679	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02680	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02684	1/23/2016	Lead	0	Copper	110			FLINT	48504
LG02685	1/23/2016	Lead	0	Copper	0			FLINT	48532
LG02686	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02688	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02690	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02691	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02692	1/23/2016	Lead	0	Copper	260			FLINT	48505
LG02694	1/23/2016	Lead	0	Copper	70			FLINT	48503
LG02695	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02697	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02698	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02700	1/23/2016	Lead	0	Copper	50			FLINT	48504
LG02701	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02702	1/23/2016	Lead	0	Copper	110			FLINT	48505
LG02703	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02706	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02709	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02710	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02711	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02713	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02714	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02715	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02720	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02721	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02722	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02723	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02725	1/23/2016	Lead	0	Copper	70		E	FLINT	48503
LG02726	1/23/2016	Lead	0	Copper	240			FLINT	48503
LG02727	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02730	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02731	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02732	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02735	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02737	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02738	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02739	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02741	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02742	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02744	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02745	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02746	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02747	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02748	1/23/2016	Lead	0	Copper	70			FLINT	48505
LG02750	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02751	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02753	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02754	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02755	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02756	1/23/2016	Lead	0	Copper	0		ENUE	FLINT	48505
LG02757	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02758	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02761	1/23/2016	Lead	0	Copper	100			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02762	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02763	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02765	1/23/2016	Lead	0	Copper	290			FLINT	48506
LG02766	1/23/2016	Lead	0	Copper	60			FLINT	
LG02767	1/23/2016	Lead	0	Copper	0			FLINT	
LG02771	1/23/2016	Lead	0	Copper	50			FLINT	48532
LG02772	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02774	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02781	1/23/2016	Lead	0	Copper	80			FLINT	48504
LG02784	1/23/2016	Lead	0	Copper	110			FLINT	48506
LG02785	1/23/2016	Lead	0	Copper	90		A-319	FLINT	48507
LG02786	1/23/2016	Lead	0	Copper	0			FLINT	48532
LG02787	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02788	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02790	1/23/2016	Lead	0	Copper	130			FLINT	48506
LG02791	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02793	1/23/2016	Lead	0	Copper	0			BURTON	48519
LG02794	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02795	1/23/2016	Lead	0	Copper	120			FLINT	48505
LG02798	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02799	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02800	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02801	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02805	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02806	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02808	1/23/2016	Lead	0	Copper	70		/E	FLINT	48503
LG02809	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02810	1/23/2016	Lead	0	Copper	0		VE	FLINT	48504
LG02811	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02812	1/23/2016	Lead	0	Copper	100		ON 3	FLINT	48503
LG02814	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02821	1/23/2016	Lead	0	Copper	400			FLINT	48507
LG02822	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02825	1/23/2016	Lead	0	Copper	460			FLINT	48506
LG02827	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02828	1/23/2016	Lead	0	Copper	70			FLINT	48507
LG02829	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02833	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02834	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02835	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02837	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02838	1/23/2016	Lead	0	Copper	130			FLINT	48503
LG02839	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02840	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02843	1/23/2016	Lead	0	Copper	220			FLINT	48507
LG02845	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02846	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02847	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02853	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02855	1/23/2016	Lead	0	Copper	0		T 154	FLINT	48507
LG02856	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02859	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02862	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02866	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02870	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02871	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02872	1/23/2016	Lead	0	Copper	80			FLINT	48504
LG02873	1/23/2016	Lead	0	Copper	420			FLINT	48507
LG02876	1/23/2016	Lead	0	Copper	100			FLINT	48507
LG02880	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02881	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02882	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02883	1/23/2016	Lead	0	Copper	0			FLINT	
LG02884	1/23/2016	Lead	0	Copper	0			FLINT	
LG02886	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02888	1/23/2016	Lead	0	Copper	80			FLINT	48507
LG02890	1/23/2016	Lead	0	Copper	70			FLINT	48507
LG02891	1/23/2016	Lead	0	Copper	610			FLINT	48507
LG02895	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02896	1/23/2016	Lead	0	Copper	50			FLINT	48503
LG02897	1/23/2016	Lead	0	Copper	80			FLINT	48507
LG02899	1/23/2016	Lead	0	Copper	0		1	FLINT	48507
LG02902	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02903	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02904	1/23/2016	Lead	0	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02907	1/23/2016	Lead	0	Copper	120		BLVD	FLINT	48505
LG02908	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02909	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02911	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02912	1/23/2016	Lead	0	Copper	120			FLINT	48507
LG02916	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02921	1/23/2016	Lead	0	Copper	120			FLINT	48503
LG02927	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02928	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02930	1/23/2016	Lead	0	Copper	0		E	FLINT	48503
LG02931	1/23/2016	Lead	0	Copper	60		I AVE	FLINT	48503
LG02932	1/23/2016	Lead	0	Copper	0		NUE	FLINT	48507
LG02933	1/23/2016	Lead	0	Copper	130			FLINT	48503
LG02935	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02937	1/23/2016	Lead	0	Copper	130		E	FLINT	48532
LG02940	1/23/2016	Lead	0	Copper	0			FLINT	48505
LG02942	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02944	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02945	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02946	1/23/2016	Lead	0	Copper	0			FLINT	48507
LG02947	1/23/2016	Lead	0	Copper	100			FLINT	48504
LG02948	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02949	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02952	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02954	1/23/2016	Lead	0	Copper	0			FLINT	48504
LG02956	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02958	1/23/2016	Lead	0	Copper	110			FLINT	48507
LG02959	1/23/2016	Lead	0	Copper	0			FLINT	48529
LG02960	1/23/2016	Lead	0	Copper	0			BURTON	48529
LG02961	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02962	1/23/2016	Lead	0	Copper	220			FLINT	48507
LG02963	1/23/2016	Lead	0	Copper	0		15	FLINT	48506
LG02966	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02968	1/23/2016	Lead	0	Copper	0			BURTON	48529
LG02969	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02971	1/23/2016	Lead	0	Copper	0			FLINT	48503
LG02973	1/23/2016	Lead	0	Copper	0			FLINT	48506
LG02975	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG02977	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG02979	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG02980	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG02981	1/24/2016	Lead	0	Copper	260			FLINT	48505
LG02982	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG02984	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG02985	1/24/2016	Lead	0	Copper	0		AVE	FLINT	48503
LG02987	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG02988	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG02990	1/24/2016	Lead	0	Copper	0			BURTON	48509
LG02991	1/24/2016	Lead	0	Copper	70			FLINT	48503
LG02992	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG02993	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG02994	1/24/2016	Lead	0	Copper	50		AVE	FLINT	48503
LG02995	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG02996	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03000	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG03001	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG03002	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03004	1/24/2016	Lead	0	Copper	0			FLINT	48532
LG03007	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03010	1/24/2016	Lead	0	Copper	110			FLINT	48503
LG03011	1/24/2016	Lead	0	Copper	140			FLINT	48504
LG03013	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG03017	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03018	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03019	1/24/2016	Lead	0	Copper	100		7	FLINT	48503
LG03028	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03030	1/24/2016	Lead	0	Copper	90			FLINT	48507
LG03033	1/24/2016	Lead	0	Copper	0			FLINT	
LG03034	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03035	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03037	1/24/2016	Lead	0	Copper	100			FLINT	48507
LG03039	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03044	1/24/2016	Lead	0	Copper	100			FLINT	48503
LG03045	1/24/2016	Lead	0	Copper	240			FLINT	48503
LG03046	1/24/2016	Lead	0	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG03047	1/24/2016	Lead	0	Copper	0			FLINT	
LG03050	1/24/2016	Lead	0	Copper	60			FLINT	48505
LG03051	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03052	1/24/2016	Lead	0	Copper	330				
LG03054	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG03055	1/24/2016	Lead	0	Copper	250			FLINT	48503
LG03056	1/24/2016	Lead	0	Copper	310			FLINT	48503
LG03057	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03058	1/24/2016	Lead	0	Copper	90			FLINT	48503
LG03059	1/24/2016	Lead	0	Copper	90			FLINT	48503
LG03062	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03063	1/24/2016	Lead	0	Copper	80			FLINT	48503
LG03064	1/24/2016	Lead	0	Copper	130			FLINT	48503
LG03065	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03068	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03069	1/24/2016	Lead	0	Copper	80			FLINT	48505
LG03071	1/24/2016	Lead	0	Copper	70			FLINT	48505
LG03072	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG03074	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03077	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03078	1/24/2016	Lead	0	Copper	100				
LG03080	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03082	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03088	1/24/2016	Lead	0	Copper	100			FLINT	48503
LG03091	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03093	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03094	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG03095	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03098	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG03099	1/24/2016	Lead	0	Copper	60			FLINT	48506
LG03100	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG03103	1/24/2016	Lead	0	Copper	150			FLINT	48507
LG03104	1/24/2016	Lead	0	Copper	300			FLINT	48503
LG03105	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03107	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03108	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03109	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03110	1/24/2016	Lead	0	Copper	0			FLINT	48504
LG03112	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03114	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG03117	1/24/2016	Lead	0	Copper	50			FLINT	48507
LG03118	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03123	1/24/2016	Lead	0	Copper	0			FLINT	48503
LG03124	1/24/2016	Lead	0	Copper	130		5 OR #36?	FLINT	
LG03126	1/24/2016	Lead	0	Copper	150			FLINT	48507
LG03127	1/24/2016	Lead	0	Copper	60			FLINT	48507-2823
LG03130	1/24/2016	Lead	0	Copper	150			FLINT	48503
LG03132	1/24/2016	Lead	0	Copper	0			FLINT	
LG03134	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG03135	1/24/2016	Lead	0	Copper	110			FLINT	48506
LG03136	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03137	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03141	1/24/2016	Lead	0	Copper	0				
LG03142	1/24/2016	Lead	0	Copper	0			FLINT	
LG03143	1/24/2016	Lead	0	Copper	210			FLINT	48503
LG03144	1/24/2016	Lead	0	Copper	0			FLINT	48506
LG03145	1/24/2016	Lead	0	Copper	310			FLINT	48503
LG03146	1/24/2016	Lead	0	Copper	320			FLINT	48503
LG03149	1/24/2016	Lead	0	Copper	0			FLINT	48507
LG03151	1/24/2016	Lead	0	Copper	340			FLINT	48503
LG03152	1/24/2016	Lead	0	Copper	60			FLINT	48505
LG03153	1/24/2016	Lead	0	Copper	0			FLINT	48505
LG03156	1/24/2016	Lead	0	Copper	60			FLINT	48503
LG03157	1/24/2016	Lead	0	Copper	90			FLINT	48504
LG03162	1/24/2016	Lead	0	Copper	280			FLINT	48503
LG03165	1/24/2016	Lead	0	Copper	320			FLINT	48503
LG03166	1/24/2016	Lead	0	Copper	80			FLINT	48505
LG03437	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03438	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03439	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03440	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03441	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03443	1/25/2016	Lead	0	Copper	60		#1	FLINT	48506
LG03444	1/25/2016	Lead	0	Copper	0	1/0		FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG03445	1/25/2016	Lead	0	Copper	90		M AVE	FLINT	48507
LG03446	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03448	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03449	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03450	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03451	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03453	1/25/2016	Lead	0	Copper	70			FLINT	
LG03454	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03456	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03457	1/25/2016	Lead	0	Copper	0			FLINT	
LG03462	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03464	1/25/2016	Lead	0	Copper	50			FLINT	48507
LG03466	1/25/2016	Lead	0	Copper	80			FLINT	
LG03467	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03471	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03473	1/25/2016	Lead	0	Copper	70				
LG03474	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03477	1/25/2016	Lead	0	Copper	90			FLINT	48507
LG03481	1/25/2016	Lead	0	Copper	280			BURTON	48529
LG03482	1/25/2016	Lead	0	Copper	0			BURTON	48529
LG03483	1/25/2016	Lead	0	Copper	90			FLINT	48507
LG03486	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03487	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03489	1/25/2016	Lead	0	Copper	90			FLINT	48507
LG03490	1/25/2016	Lead	0	Copper	70			FLINT	48507
LG03493	1/25/2016	Lead	0	Copper	70			FLINT	48507
LG03496	1/25/2016	Lead	0	Copper	90			FLINT	48507
LG03498	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03502	1/25/2016	Lead	0	Copper	0			FLINT	
LG03503	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03505	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03506	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03507	1/25/2016	Lead	0	Copper	70			FLINT	48503
LG03511	1/25/2016	Lead	0	Copper	60			FLINT	48532
LG03513	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03515	1/25/2016	Lead	0	Copper	280			FLINT	48507
LG03516	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03517	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03518	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03519	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03521	1/25/2016	Lead	0	Copper	270			FLINT	
LG03523	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03525	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03526	1/25/2016	Lead	0	Copper	60			FLINT	48504
LG03528	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03529	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03530	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03532	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03535	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03538	1/25/2016	Lead	0	Copper	110			FLINT	48532
LG03540	1/25/2016	Lead	0	Copper	130			FLINT	48506
LG03541	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03542	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03543	1/25/2016	Lead	0	Copper	0		CLE	FLINT	48507
LG03545	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03547	1/25/2016	Lead	0	Copper	120			FLINT	48507
LG03549	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03551	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03554	1/25/2016	Lead	0	Copper	0			FLINT	48532
LG03555	1/25/2016	Lead	0	Copper	70			FLINT	48532
LG03556	1/25/2016	Lead	0	Copper	90			FLINT	48507
LG03559	1/25/2016	Lead	0	Copper	70			FLINT	48503
LG03564	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03565	1/25/2016	Lead	0	Copper	60			FLINT	48506
LG03570	1/25/2016	Lead	0	Copper	700			FLINT	48505
LG03571	1/25/2016	Lead	0	Copper	0		APT 202	FLINT	48502
LG03573	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03575	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03578	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03579	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03585	1/25/2016	Lead	0	Copper	150				
LG03587	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03588	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03590	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03592	1/25/2016	Lead	0	Copper	150			FLINT	48560

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible]	Street Name	City	Zip Code
LG03593	1/25/2016	Lead	0	Copper	0		[illegible]OS AVE	FLINT	48506
LG03594	1/25/2016	Lead	0	Copper	0		[illegible]E	FLINT	48532
LG03595	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03596	1/25/2016	Lead	0	Copper	90			FLINT	48506
LG03600	1/25/2016	Lead	0	Copper	60			FLINT	48506
LG03601	1/25/2016	Lead	0	Copper	70			FLINT	48506
LG03602	1/25/2016	Lead	0	Copper	0			FLINT	
LG03606	1/25/2016	Lead	0	Copper	60			FLINT	48506
LG03608	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03610	1/25/2016	Lead	0	Copper	180		[illegible]Y	FLINT	48502
LG03611	1/25/2016	Lead	0	Copper	110			FLINT	48502
LG03612	1/25/2016	Lead	0	Copper	210			FLINT	48502
LG03613	1/25/2016	Lead	0	Copper	220			FLINT	48502
LG03617	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03618	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03619	1/25/2016	Lead	0	Copper	150			FLINT	48503
LG03620	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03624	1/25/2016	Lead	0	Copper	140			FLINT	48503
LG03627	1/25/2016	Lead	0	Copper	70			FLINT	48505
LG03629	1/25/2016	Lead	0	Copper	180			FLINT	48503
LG03632	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03634	1/25/2016	Lead	0	Copper	60			FLINT	48503
LG03636	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03637	1/25/2016	Lead	0	Copper	50			FLINT	48503
LG03638	1/25/2016	Lead	0	Copper	100			FLINT	48503
LG03639	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03641	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03642	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03643	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03644	1/25/2016	Lead	0	Copper	240			FLINT	48507
LG03645	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03646	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03647	1/25/2016	Lead	0	Copper	60			FLINT	48507
LG03648	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03649	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03651	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03652	1/25/2016	Lead	0	Copper	0			FLINT	
LG03654	1/25/2016	Lead	0	Copper	90		B	FLINT	48503
LG03656	1/25/2016	Lead	0	Copper	0			FLINT	
LG03657	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03658	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03659	1/25/2016	Lead	0	Copper	210			FLINT	
LG03660	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03664	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03666	1/25/2016	Lead	0	Copper	0		VD	FLINT	48505
LG03668	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03672	1/25/2016	Lead	0	Copper	220			FLINT	48507
LG03677	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03681	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03682	1/25/2016	Lead	0	Copper	0			FLINT	
LG03683	1/25/2016	Lead	0	Copper	0			FLINT	
LG03691	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03692	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03696	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03700	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03701	1/25/2016	Lead	0	Copper	110			FLINT	48504
LG03702	1/25/2016	Lead	0	Copper	70			FLINT	48505
LG03703	1/25/2016	Lead	0	Copper	0			FLINT	
LG03704	1/25/2016	Lead	0	Copper	0		PT #1	FLINT	48507
LG03707	1/25/2016	Lead	0	Copper	180			FLINT	48503
LG03708	1/25/2016	Lead	0	Copper	0			FLINT	48507
LG03709	1/25/2016	Lead	0	Copper	70			FLINT	48503
LG03711	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03713	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03715	1/25/2016	Lead	0	Copper	0			FLINT	48532
LG03716	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03717	1/25/2016	Lead	0	Copper	260				
LG03719	1/25/2016	Lead	0	Copper	160			FLINT	48504
LG03722	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03724	1/25/2016	Lead	0	Copper	110			FLINT	48503
LG03725	1/25/2016	Lead	0	Copper	220			FLINT	48507
LG03726	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03727	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03728	1/25/2016	Lead	0	Copper	100			FLINT	48507
LG03729	1/25/2016	Lead	0	Copper	70			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG03730	1/25/2016	Lead	0	Copper	0		[illegible]CE)	FLINT	48507
LG03731	1/25/2016	Lead	0	Copper	70			FLINT	48507
LG03732	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03733	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03734	1/25/2016	Lead	0	Copper	50			FLINT	48505
LG03735	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03736	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03738	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03739	1/25/2016	Lead	0	Copper	0		IUE	FLINT	48506
LG03740	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03743	1/25/2016	Lead	0	Copper	0		AVE	FLINT	48503
LG03744	1/25/2016	Lead	0	Copper	70		APT 204	FLINT	48504
LG03745	1/25/2016	Lead	0	Copper	50			FLINT	48506
LG03746	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03748	1/25/2016	Lead	0	Copper	0				48503
LG03749	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03750	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03753	1/25/2016	Lead	0	Copper	110			FLINT	48503
LG03754	1/25/2016	Lead	0	Copper	60			FLINT	
LG03755	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03760	1/25/2016	Lead	0	Copper	90			FLINT	48532
LG03764	1/25/2016	Lead	0	Copper	110			FLINT	48503
LG03765	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03766	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03771	1/25/2016	Lead	0	Copper	0			FLINT	48503
LG03774	1/25/2016	Lead	0	Copper	310			FLINT	48505
LG03777	1/25/2016	Lead	0	Copper	100			FLINT	48504
LG03779	1/25/2016	Lead	0	Copper	70			FLINT	48503
LG03780	1/25/2016	Lead	0	Copper	90			FLINT	
LG03781	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03782	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03783	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03789	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03794	1/25/2016	Lead	0	Copper	100			FLINT	48503
LG03795	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03796	1/25/2016	Lead	0	Copper	0			FLINT	48504
LG03797	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03798	1/25/2016	Lead	0	Copper	90			FLINT	48504
LG03801	1/25/2016	Lead	0	Copper	0			FLINT	
LG03803	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03808	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG03809	1/25/2016	Lead	0	Copper	0			FLINT	48532
LG03810	1/25/2016	Lead	0	Copper	60			FLINT	48504
LG03811	1/25/2016	Lead	0	Copper	100			FLINT	48503
LG03813	1/25/2016	Lead	0	Copper	0			FLINT	48505
LG03815	1/25/2016	Lead	0	Copper	0			FLINT	48506
LG04019	1/26/2016	Lead	0	Copper	0			FLINT	48532
LG04021	1/26/2016	Lead	0	Copper	0			FLINT	48532
LG04023	1/26/2016	Lead	0	Copper	0			FLINT	
LG04026	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04029	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04031	1/26/2016	Lead	0	Copper	100			FLINT	48503
LG04033	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04034	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04035	1/26/2016	Lead	0	Copper	0		-8	FLINT	48507
LG04036	1/26/2016	Lead	0	Copper	0		)	FLINT	48503
LG04038	1/26/2016	Lead	0	Copper	0		D1	FLINT	48507
LG04040	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04042	1/26/2016	Lead	0	Copper	160			FLINT	48503
LG04043	1/26/2016	Lead	0	Copper	120			FLINT	48503
LG04046	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04051	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04052	1/26/2016	Lead	0	Copper	50			FLINT	48532
LG04057	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04058	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04060	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04061	1/26/2016	Lead	0	Copper	120			FLINT	48503
LG04062	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04064	1/26/2016	Lead	0	Copper	140		VE	FLINT	48503
LG04065	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04067	1/26/2016	Lead	0	Copper	0			FLINT	
LG04068	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04071	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04073	1/26/2016	Lead	0	Copper	160			FLINT	48503
LG04075	1/26/2016	Lead	0	Copper	90				48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG04077	1/26/2016	Lead	0	Copper	740		FLINT	48502
LG04079	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04080	1/26/2016	Lead	0	Copper	100		FLINT	48507-1352
LG04082	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04083	1/26/2016	Lead	0	Copper	70	E	FLINT	48507
LG04084	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04088	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04092	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04094	1/26/2016	Lead	0	Copper	110		FLINT	48503
LG04095	1/26/2016	Lead	0	Copper	90		FLINT	48503
LG04097	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04100	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04103	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04104	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04105	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04109	1/26/2016	Lead	0	Copper	80		FLINT	48507
LG04110	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04113	1/26/2016	Lead	0	Copper	0		FLINT	
LG04115	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04117	1/26/2016	Lead	0	Copper	50		FLINT	48504
LG04119	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04127	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04128	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04131	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04134	1/26/2016	Lead	0	Copper	0		FLINT	
LG04135	1/26/2016	Lead	0	Copper	0		FLINT	48505
LG04137	1/26/2016	Lead	0	Copper	140		FLINT	48507
LG04138	1/26/2016	Lead	0	Copper	180		FLINT	48504
LG04142	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04143	1/26/2016	Lead	0	Copper	0	F 5	FLINT	48507
LG04145	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04148	1/26/2016	Lead	0	Copper	70		FLINT	48507
LG04149	1/26/2016	Lead	0	Copper	160		FLINT	48504
LG04150	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04154	1/26/2016	Lead	0	Copper	90		FLINT	48504
LG04155	1/26/2016	Lead	0	Copper	140		FLINT	48506
LG04158	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04160	1/26/2016	Lead	0	Copper	0		FLINT	
LG04161	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04163	1/26/2016	Lead	0	Copper	100	'E	FLINT	48503
LG04164	1/26/2016	Lead	0	Copper	140		FLINT	48506
LG04167	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04169	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04170	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04171	1/26/2016	Lead	0	Copper	60		FLINT	48507
LG04172	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04173	1/26/2016	Lead	0	Copper	0	18A	FLINT	48507
LG04174	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04178	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04179	1/26/2016	Lead	0	Copper	0		FLINT	
LG04182	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04189	1/26/2016	Lead	0	Copper	140		FLINT	48532
LG04190	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04192	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04193	1/26/2016	Lead	0	Copper	110		FLINT	48507
LG04196	1/26/2016	Lead	0	Copper	90		FLINT	48507
LG04197	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04199	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04205	1/26/2016	Lead	0	Copper	90		FLINT	
LG04206	1/26/2016	Lead	0	Copper	130		FLINT	48506
LG04207	1/26/2016	Lead	0	Copper	90		FLINT	48504
LG04208	1/26/2016	Lead	0	Copper	70		FLINT	48503
LG04209	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04212	1/26/2016	Lead	0	Copper	110		FLINT	48506
LG04213	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04214	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04217	1/26/2016	Lead	0	Copper	0	1A	FLINT	48503
LG04219	1/26/2016	Lead	0	Copper	60		FLINT	48503
LG04220	1/26/2016	Lead	0	Copper	100		FLINT	48507
LG04223	1/26/2016	Lead	0	Copper	0	1	FLINT	48503
LG04225	1/26/2016	Lead	0	Copper	60	APT B6	FLINT	48507
LG04226	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04227	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04228	1/26/2016	Lead	0	Copper	0		FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG04229	1/26/2016	Lead	0	Copper	60			FLINT	48506
LG04230	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04232	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04233	1/26/2016	Lead	0	Copper	70			FLINT	48503
LG04234	1/26/2016	Lead	0	Copper	60				
LG04235	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04236	1/26/2016	Lead	0	Copper	0			FLINT	
LG04237	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04242	1/26/2016	Lead	0	Copper	0				
LG04243	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04245	1/26/2016	Lead	0	Copper	120			FLINT	48506
LG04246	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04247	1/26/2016	Lead	0	Copper	70			FLINT	48503
LG04250	1/26/2016	Lead	0	Copper	50			FLINT	48507
LG04251	1/26/2016	Lead	0	Copper	60			FLINT	48506
LG04254	1/26/2016	Lead	0	Copper	0			FLINT	48532
LG04255	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04256	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04257	1/26/2016	Lead	0	Copper	0			MONTRO SE	48457
LG04258	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04259	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04260	1/26/2016	Lead	0	Copper	120			FLINT	48506
LG04261	1/26/2016	Lead	0	Copper	0		AVE	FLINT	48503
LG04263	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04265	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04266	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04268	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04269	1/26/2016	Lead	0	Copper	90			BURTON	48529
LG04272	1/26/2016	Lead	0	Copper	80			FLINT	48507
LG04273	1/26/2016	Lead	0	Copper	90			FLINT	48507
LG04275	1/26/2016	Lead	0	Copper	50			FLINT	48504
LG04276	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG04277	1/26/2016	Lead	0	Copper	110			FLINT	48504
LG04279	1/26/2016	Lead	0	Copper	70			FLINT	48505
LG04280	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04281	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04284	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04287	1/26/2016	Lead	0	Copper	80			FLINT	48505
LG04288	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04289	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04290	1/26/2016	Lead	0	Copper	0		VD	FLINT	48505
LG04295	1/26/2016	Lead	0	Copper	0			FLINT	
LG04296	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04299	1/26/2016	Lead	0	Copper	50			FLINT	48506
LG04300	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04301	1/26/2016	Lead	0	Copper	80			FLINT	48507
LG04303	1/26/2016	Lead	0	Copper	210		ICLE	FLINT	48507
LG04305	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04307	1/26/2016	Lead	0	Copper	60			FLINT	48503
LG04308	1/26/2016	Lead	0	Copper	80			FLINT	48503
LG04310	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04312	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04313	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04314	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04316	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04317	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04319	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04320	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04321	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04322	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04325	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04329	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04330	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04331	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG04332	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04333	1/26/2016	Lead	0	Copper	60			FLINT	48505
LG04334	1/26/2016	Lead	0	Copper	60			FLINT	48507
LG04335	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04336	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04338	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04340	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04341	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04344	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04346	1/26/2016	Lead	0	Copper	130			FLINT	48532

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG04348	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04351	1/26/2016	Lead	0	Copper	0		LVD	FLINT	48505
LG04354	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04355	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG04357	1/26/2016	Lead	0	Copper	160			FLINT	48505
LG04359	1/26/2016	Lead	0	Copper	0			FLINT	
LG04360	1/26/2016	Lead	0	Copper	0				48504
LG04361	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG04362	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04365	1/26/2016	Lead	0	Copper	50			FLINT	48507
LG04367	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04372	1/26/2016	Lead	0	Copper	200			FLINT	48503
LG04373	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04376	1/26/2016	Lead	0	Copper	0		I	FLINT	48532
LG04377	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04378	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04380	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04382	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04383	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04384	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04385	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04387	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04389	1/26/2016	Lead	0	Copper	100			FLINT	48505
LG04390	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04393	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04394	1/26/2016	Lead	0	Copper	50			FLINT	48505
LG04396	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04398	1/26/2016	Lead	0	Copper	50			FLINT	48503
LG04400	1/26/2016	Lead	0	Copper	60			FLINT	48532
LG04402	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04403	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04405	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04406	1/26/2016	Lead	0	Copper	100			FLINT	48505
LG04407	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04409	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04410	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04411	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04412	1/26/2016	Lead	0	Copper	0			FLINT	48504
LG04414	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04416	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04418	1/26/2016	Lead	0	Copper	0		AVE	FLINT	48503
LG04464	1/26/2016	Lead	0	Copper	80			FLINT	48507
LG04466	1/26/2016	Lead	0	Copper	160			FLINT	48503
LG04467	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04468	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04469	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04470	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04472	1/26/2016	Lead	0	Copper	210			FLINT	48507
LG04474	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04478	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04479	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04482	1/26/2016	Lead	0	Copper	70			FLINT	48503
LG04483	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04486	1/26/2016	Lead	0	Copper	90			FLINT	48506
LG04490	1/26/2016	Lead	0	Copper	50			FLINT	48507
LG04491	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04493	1/26/2016	Lead	0	Copper	0			FLINT	48507
LG04495	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04496	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04498	1/26/2016	Lead	0	Copper	0		AVE	FLINT	48503
LG04499	1/26/2016	Lead	0	Copper	150			FLINT	48505
LG04501	1/26/2016	Lead	0	Copper	60			FLINT	48507
LG04506	1/26/2016	Lead	0	Copper	0			FLINT	48503
LG04508	1/26/2016	Lead	0	Copper	80			FLINT	
LG04513	1/26/2016	Lead	0	Copper	0			FLINT	48505
LG04514	1/26/2016	Lead	0	Copper	60			FLINT	48507
LG04516	1/26/2016	Lead	0	Copper	0			FLINT	48532
LG04519	1/26/2016	Lead	0	Copper	60		E	FLINT	48503
LG04522	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04528	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04529	1/26/2016	Lead	0	Copper	0			FLINT	48506
LG04532	1/26/2016	Lead	0	Copper	380			FLINT	48506
LG04533	1/26/2016	Lead	0	Copper	60			FLINT	48503
LG04543	1/26/2016	Lead	0	Copper	70			FLINT	48503
LG04544	1/26/2016	Lead	0	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG04546	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04549	1/26/2016	Lead	0	Copper	0		FLINT	48505
LG04550	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04553	1/26/2016	Lead	0	Copper	0	)	FLINT	48505
LG04556	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04557	1/26/2016	Lead	0	Copper	250		FLINT	48532
LG04558	1/26/2016	Lead	0	Copper	70	E	FLINT	48507
LG04559	1/26/2016	Lead	0	Copper	0			
LG04561	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04562	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04563	1/26/2016	Lead	0	Copper	60		FLINT	48506
LG04564	1/26/2016	Lead	0	Copper	60		SWARTZ CREEK	48473
LG04566	1/26/2016	Lead	0	Copper	90		FLINT	48507
LG04572	1/26/2016	Lead	0	Copper	0		FLINT	
LG04573	1/26/2016	Lead	0	Copper	50		FLINT	48504
LG04574	1/26/2016	Lead	0	Copper	60	R	FLINT	48503
LG04576	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04577	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04578	1/26/2016	Lead	0	Copper	0		FLINT	
LG04582	1/26/2016	Lead	0	Copper	0		FLINT	48505
LG04583	1/26/2016	Lead	0	Copper	60		FLINT	48504
LG04584	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04587	1/26/2016	Lead	0	Copper	0		FLINT	48505
LG04589	1/26/2016	Lead	0	Copper	0		FLINT	48504
LG04590	1/26/2016	Lead	0	Copper	60		FLINT	48507
LG04592	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04593	1/26/2016	Lead	0	Copper	0		FLINT	48506
LG04594	1/26/2016	Lead	0	Copper	200		FLINT	48506
LG04595	1/26/2016	Lead	0	Copper	50	311A	FLINT	48505
LG04598	1/26/2016	Lead	0	Copper	0		FLINT	48532
LG04600	1/26/2016	Lead	0	Copper	0		FLINT	48505
LG04601	1/26/2016	Lead	0	Copper	0		FLINT	48503
LG04603	1/26/2016	Lead	0	Copper	0		FLINT	48507
LG04747	1/27/2016	Lead	0	Copper	0		FLINT	48503
LG04750	1/27/2016	Lead	0	Copper	80		FLINT	48507
LG04751	1/27/2016	Lead	0	Copper	290		FLINT	48502
LG04754	1/27/2016	Lead	0	Copper	0	IUE	FLINT	48503
LG04755	1/27/2016	Lead	0	Copper	0		FLINT	48504
LG04765	1/27/2016	Lead	0	Copper	0		FLINT	48532
LG04766	1/27/2016	Lead	0	Copper	0		FLINT	48505
LG04767	1/27/2016	Lead	0	Copper	0		FLINT	48505
LG04768	1/27/2016	Lead	0	Copper	0		FLINT	48503
LG04770	1/27/2016	Lead	0	Copper	0		FLINT	48503
LG04771	1/27/2016	Lead	0	Copper	60		FLINT	48506
LG04773	1/27/2016	Lead	0	Copper	0		FLINT	48506
LG04775	1/27/2016	Lead	0	Copper	0		FLINT	48506
LG04776	1/27/2016	Lead	0	Copper	0		FLINT	48503
LG04777	1/27/2016	Lead	0	Copper	0		FLINT	48506
LG04779	1/27/2016	Lead	0	Copper	200		FLINT	48503
LG04780	1/27/2016	Lead	0	Copper	0		FLINT	48503
LG04781	1/27/2016	Lead	0	Copper	0		FLINT	48532
LG04782	1/27/2016	Lead	0	Copper	60		FLINT	48503
LG04783	1/27/2016	Lead	0	Copper	0		FLINT	48503
LG04784	1/27/2016	Lead	0	Copper	70		FLINT	48503
LG04786	1/27/2016	Lead	0	Copper	50		FLINT	48503
LG04787	1/27/2016	Lead	0	Copper	60		FLINT	48505
LG04789	1/27/2016	Lead	0	Copper	90		FLINT	48507
LG04790	1/27/2016	Lead	0	Copper	190		FLINT	48503
LG04791	1/27/2016	Lead	0	Copper	0		FLINT	48503
LG04792	1/27/2016	Lead	0	Copper	0		FLINT	48507
LG04794	1/27/2016	Lead	0	Copper	60		FLINT	48507
LG04796	1/27/2016	Lead	0	Copper	0		FLINT	48505
LG04797	1/27/2016	Lead	0	Copper	0		FLINT	48504
LG04799	1/27/2016	Lead	0	Copper	0		FLINT	48503
LG04804	1/27/2016	Lead	0	Copper	0		FLINT	48505
LG04807	1/27/2016	Lead	0	Copper	170		FLINT	48503
LG04808	1/27/2016	Lead	0	Copper	0		FLINT	
LG04810	1/27/2016	Lead	0	Copper	0	JE	FLINT	48505
LG04812	1/27/2016	Lead	0	Copper	130		FLINT	48505
LG04813	1/27/2016	Lead	0	Copper	100		FLINT	48532
LG04814	1/27/2016	Lead	0	Copper	0	E	FLINT	48503
LG04816	1/27/2016	Lead	0	Copper	0		FLINT	48504
LG04817	1/27/2016	Lead	0	Copper	120		FLINT	48503
LG04819	1/27/2016	Lead	0	Copper	0		FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG04820	1/27/2016	Lead	0	Copper	110			FLINT	48507
LG04822	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG04825	1/27/2016	Lead	0	Copper	80			FLINT	48503
LG04826	1/27/2016	Lead	0	Copper	100			FLINT	48507
LG04828	1/27/2016	Lead	0	Copper	0		GENESEEVILLE MI	FLINT	48506-5216
LG04829	1/27/2016	Lead	0	Copper	50			FLINT	48504
LG04831	1/27/2016	Lead	0	Copper	120			FLINT	48503
LG04832	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04833	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04836	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04837	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04838	1/27/2016	Lead	0	Copper	120			FLINT	48506
LG04841	1/27/2016	Lead	0	Copper	0		3	FLINT	48506
LG04842	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04843	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04844	1/27/2016	Lead	0	Copper	150			FLINT	48504
LG04845	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG04847	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG04849	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04851	1/27/2016	Lead	0	Copper	100			FLINT	48504
LG04855	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG04856	1/27/2016	Lead	0	Copper	0		E	FLINT	48504
LG04857	1/27/2016	Lead	0	Copper	0		AVE	FLINT	48503
LG04860	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04862	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04868	1/27/2016	Lead	0	Copper	140			FLINT	48504
LG04870	1/27/2016	Lead	0	Copper	140			FLINT	48503
LG04871	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04872	1/27/2016	Lead	0	Copper	250		7	FLINT	48503
LG04873	1/27/2016	Lead	0	Copper	90			FLINT	48504
LG04874	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04876	1/27/2016	Lead	0	Copper	100			FLINT	48503
LG04878	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG04881	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG04883	1/27/2016	Lead	0	Copper	70			FLINT	48503
LG04885	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04886	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG04887	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG04888	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04889	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04892	1/27/2016	Lead	0	Copper	180			FLINT	48507
LG04893	1/27/2016	Lead	0	Copper	90			FLINT	48507
LG04894	1/27/2016	Lead	0	Copper	50			FLINT	48503
LG04896	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04899	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04900	1/27/2016	Lead	0	Copper	90			FLINT	48507
LG04901	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG04902	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04903	1/27/2016	Lead	0	Copper	100			FLINT	48507
LG04904	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04905	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04907	1/27/2016	Lead	0	Copper	0				48507
LG04908	1/27/2016	Lead	0	Copper	160			FLINT	48507
LG04909	1/27/2016	Lead	0	Copper	140			FLINT	48507
LG04910	1/27/2016	Lead	0	Copper	120			FLINT	48507
LG04911	1/27/2016	Lead	0	Copper	200			FLINT	48507
LG04912	1/27/2016	Lead	0	Copper	110			FLINT	48507
LG04913	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04915	1/27/2016	Lead	0	Copper	120			FLINT	48507
LG04917	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04918	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04919	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04922	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04923	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04925	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04927	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04931	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG04932	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04934	1/27/2016	Lead	0	Copper	70			FLINT	48507
LG04936	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG04938	1/27/2016	Lead	0	Copper	90			FLINT	48507
LG04939	1/27/2016	Lead	0	Copper	90			FLINT	48503
LG04940	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04941	1/27/2016	Lead	0	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG04942	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG04947	1/27/2016	Lead	0	Copper	60			FLINT	48506
LG04950	1/27/2016	Lead	0	Copper	50			FLINT	
LG04951	1/27/2016	Lead	0	Copper	0		IR	FLINT	48504
LG04952	1/27/2016	Lead	0	Copper	210		APT #103	FLINT	48504
LG04953	1/27/2016	Lead	0	Copper	0			FLINT	
LG04954	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG04955	1/27/2016	Lead	0	Copper	110			FLINT	48505
LG04956	1/27/2016	Lead	0	Copper	0		PT 201	FLINT	48505
LG04957	1/27/2016	Lead	0	Copper	0				
LG04958	1/27/2016	Lead	0	Copper	70			FLINT	48505
LG04960	1/27/2016	Lead	0	Copper	110		OFC	FLINT	48507
LG04963	1/27/2016	Lead	0	Copper	80		OFC	FLINT	48507
LG04964	1/27/2016	Lead	0	Copper	0		OFC	FLINT	48507
LG04966	1/27/2016	Lead	0	Copper	0		OFC	FLINT	48507
LG04969	1/27/2016	Lead	0	Copper	270		OFC	FLINT	48507
LG04970	1/27/2016	Lead	0	Copper	90			FLINT	48532
LG04971	1/27/2016	Lead	0	Copper	170			FLINT	48504
LG04973	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG04974	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG04976	1/27/2016	Lead	0	Copper	0		LVD	FLINT	48505
LG04977	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG04979	1/27/2016	Lead	0	Copper	240		OFC	FLINT	48507
LG04981	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG04982	1/27/2016	Lead	0	Copper	0			FLINT	48506-3506
LG04984	1/27/2016	Lead	0	Copper	160		C	FLINT	48507
LG04988	1/27/2016	Lead	0	Copper	0		OFC	FLINT	48507
LG04989	1/27/2016	Lead	0	Copper	380		OFC	FLINT	48507
LG04991	1/27/2016	Lead	0	Copper	50		OFC	FLINT	48507
LG04993	1/27/2016	Lead	0	Copper	150		OFC	FLINT	48507
LG04994	1/27/2016	Lead	0	Copper	300		OFC	FLINT	48507
LG04996	1/27/2016	Lead	0	Copper	140		OFC	FLINT	48507
LG04997	1/27/2016	Lead	0	Copper	0		OFC	FLINT	48507
LG04998	1/27/2016	Lead	0	Copper	190		OFC	FLINT	48507
LG04999	1/27/2016	Lead	0	Copper	60		OFC	FLINT	48507
LG05000	1/27/2016	Lead	0	Copper	130		OFC	FLINT	48507
LG05001	1/27/2016	Lead	0	Copper	0		OFC	FLINT	48507
LG05003	1/27/2016	Lead	0	Copper	240			FLINT	48503
LG05004	1/27/2016	Lead	0	Copper	90			FLINT	48504
LG05007	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05010	1/27/2016	Lead	0	Copper	0		OFC	FLINT	48507
LG05011	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05012	1/27/2016	Lead	0	Copper	0		OFC	FLINT	48507
LG05013	1/27/2016	Lead	0	Copper	0				
LG05016	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05017	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG05018	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05020	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05022	1/27/2016	Lead	0	Copper	110			FLINT	48503
LG05023	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05025	1/27/2016	Lead	0	Copper	90		#118	FLINT	48505
LG05028	1/27/2016	Lead	0	Copper	70			FLINT	48507
LG05030	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05031	1/27/2016	Lead	0	Copper	0			FLINT	
LG05034	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05038	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05048	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05050	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05051	1/27/2016	Lead	0	Copper	100			FLINT	48503
LG05052	1/27/2016	Lead	0	Copper	0			FLINT	
LG05053	1/27/2016	Lead	0	Copper	50			FLINT	48507
LG05054	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05060	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05062	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05064	1/27/2016	Lead	0	Copper	0		06	FLINT	48502
LG05065	1/27/2016	Lead	0	Copper	270			FLINT	48505
LG05066	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05067	1/27/2016	Lead	0	Copper	70			FLINT	48503
LG05070	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05071	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05074	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05077	1/27/2016	Lead	0	Copper	50			FLINT	48506
LG05080	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05081	1/27/2016	Lead	0	Copper	0	171,		FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	#	Street Name	City	Zip Code
LG05082	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05085	1/27/2016	Lead	0	Copper	160			FLINT	48503
LG05086	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05087	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05089	1/27/2016	Lead	0	Copper	100			FLINT	48504
LG05091	1/27/2016	Lead	0	Copper	90			FLINT	48505
LG05092	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05093	1/27/2016	Lead	0	Copper	60			FLINT	48503
LG05094	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05095	1/27/2016	Lead	0	Copper	190			FLINT	48506
LG05097	1/27/2016	Lead	0	Copper	180			FLINT	48507
LG05099	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05100	1/27/2016	Lead	0	Copper	270			FLINT	48504
LG05101	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05102	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05103	1/27/2016	Lead	0	Copper	0		APT 1230	FLINT	48532
LG05104	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05105	1/27/2016	Lead	0	Copper	160		Y	FLINT	48503
LG05106	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05107	1/27/2016	Lead	0	Copper	70			FLINT	48503
LG05109	1/27/2016	Lead	0	Copper	0				48506
LG05112	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05113	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05114	1/27/2016	Lead	0	Copper	70			FLINT	48532
LG05115	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05116	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05119	1/27/2016	Lead	0	Copper	60		IE	FLINT	48507
LG05127	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05128	1/27/2016	Lead	0	Copper	0		R		
LG05131	1/27/2016	Lead	0	Copper	180		APT 320	FLINT	48507
LG05133	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05136	1/27/2016	Lead	0	Copper	120			FLINT	48532
LG05137	1/27/2016	Lead	0	Copper	70		OFC #313	FLINT	48507
LG05141	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05143	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05146	1/27/2016	Lead	0	Copper	320			FLINT	48507
LG05148	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05156	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05158	1/27/2016	Lead	0	Copper	80			FLINT	
LG05163	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05164	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05165	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05167	1/27/2016	Lead	0	Copper	50			FLINT	48503
LG05169	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05171	1/27/2016	Lead	0	Copper	80			FLINT	48503
LG05172	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05173	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05174	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05177	1/27/2016	Lead	0	Copper	360			FLINT	48506
LG05178	1/27/2016	Lead	0	Copper	180			FLINT	
LG05180	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05182	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05183	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05184	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05188	1/27/2016	Lead	0	Copper	0			FLINT	
LG05189	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05190	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG05192	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05194	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05195	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05199	1/27/2016	Lead	0	Copper	110			FLINT	48503
LG05203	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05207	1/27/2016	Lead	0	Copper	0				
LG05209	1/27/2016	Lead	0	Copper	0				
LG05211	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05212	1/27/2016	Lead	0	Copper	0				
LG05213	1/27/2016	Lead	0	Copper	140			FLINT	48507
LG05214	1/27/2016	Lead	0	Copper	90				
LG05215	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05217	1/27/2016	Lead	0	Copper	60			FLINT	48505
LG05218	1/27/2016	Lead	0	Copper	120			FLINT	48507
LG05219	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05220	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05221	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05222	1/27/2016	Lead	0	Copper	80			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05223	1/27/2016	Lead	0	Copper	70			FLINT	48503
LG05224	1/27/2016	Lead	0	Copper	70			FLINT	48507
LG05225	1/27/2016	Lead	0	Copper	0			FLINT	
LG05227	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05228	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05229	1/27/2016	Lead	0	Copper	470			FLINT	48507
LG05232	1/27/2016	Lead	0	Copper	290			FLINT	48507
LG05233	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05234	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05235	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05236	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05237	1/27/2016	Lead	0	Copper	60			FLINT	48507
LG05241	1/27/2016	Lead	0	Copper	180			FLINT	48504
LG05243	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05244	1/27/2016	Lead	0	Copper	70			FLINT	48504
LG05248	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05249	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05251	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05253	1/27/2016	Lead	0	Copper	60			FLINT	48505
LG05255	1/27/2016	Lead	0	Copper	0			FLINT	
LG05257	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05260	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05262	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05264	1/27/2016	Lead	0	Copper	90			FLINT	48504
LG05265	1/27/2016	Lead	0	Copper	50			FLINT	48532
LG05266	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05267	1/27/2016	Lead	0	Copper	0				48503
LG05269	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05270	1/27/2016	Lead	0	Copper	100			FLINT	48507
LG05271	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05272	1/27/2016	Lead	0	Copper	50			FLINT	48506
LG05273	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05274	1/27/2016	Lead	0	Copper	0			FLINT	48505-5164
LG05275	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05276	1/27/2016	Lead	0	Copper	80			FLINT	48503
LG05277	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05278	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05279	1/27/2016	Lead	0	Copper	0			FLINT	
LG05280	1/27/2016	Lead	0	Copper	0			FLINT	48505
LG05282	1/27/2016	Lead	0	Copper	0			FLINT	48504
LG05283	1/27/2016	Lead	0	Copper	90			FLINT	48532
LG05285	1/27/2016	Lead	0	Copper	100			FLINT	48507
LG05287	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05288	1/27/2016	Lead	0	Copper	140			FLINT	48507
LG05289	1/27/2016	Lead	0	Copper	50			FLINT	48507
LG05294	1/27/2016	Lead	0	Copper	0			FLINT	48503
LG05295	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05296	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05297	1/27/2016	Lead	0	Copper	0			FLINT	48532
LG05299	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05300	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05301	1/27/2016	Lead	0	Copper	0			FLINT	48506
LG05302	1/27/2016	Lead	0	Copper	0			FLINT	48507
LG05304	1/27/2016	Lead	0	Copper	80			FLINT	48507
LG05441	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05443	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05444	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05445	1/28/2016	Lead	0	Copper	130			FLINT	48507
LG05447	1/28/2016	Lead	0	Copper	240			FLINT	48503
LG05448	1/28/2016	Lead	0	Copper	100			FLINT	
LG05449	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05451	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05453	1/28/2016	Lead	0	Copper	0	3		FLINT	
LG05458	1/28/2016	Lead	0	Copper	130			FLINT	48503
LG05459	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05460	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05461	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05463	1/28/2016	Lead	0	Copper	0	1		FLINT	48532
LG05469	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05470	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05471	1/28/2016	Lead	0	Copper	60			FLINT	48506
LG05472	1/28/2016	Lead	0	Copper	0				48506
LG05474	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05477	1/28/2016	Lead	0	Copper	0	3119		FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG05481	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05482	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05484	1/28/2016	Lead	0	Copper	310			FLINT	
LG05485	1/28/2016	Lead	0	Copper	210			FLINT	48503
LG05486	1/28/2016	Lead	0	Copper	60			FLINT	48503
LG05488	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05490	1/28/2016	Lead	0	Copper	50			FLINT	48506
LG05491	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05492	1/28/2016	Lead	0	Copper	70			FLINT	48506
LG05495	1/28/2016	Lead	0	Copper	0				
LG05496	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05498	1/28/2016	Lead	0	Copper	100			FLINT	48503
LG05500	1/28/2016	Lead	0	Copper	0			FLINT	48532
LG05506	1/28/2016	Lead	0	Copper	80			FLINT	48504
LG05507	1/28/2016	Lead	0	Copper	120			FLINT	48503
LG05510	1/28/2016	Lead	0	Copper	60			FLINT	48504
LG05511	1/28/2016	Lead	0	Copper	70			FLINT	
LG05513	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05514	1/28/2016	Lead	0	Copper	0	G		FLINT	48504
LG05515	1/28/2016	Lead	0	Copper	290			FLINT	48532
LG05516	1/28/2016	Lead	0	Copper	340			FLINT	48507
LG05517	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05520	1/28/2016	Lead	0	Copper	80			FLINT	48506
LG05524	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05525	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05526	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05527	1/28/2016	Lead	0	Copper	110			FLINT	48503
LG05528	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05531	1/28/2016	Lead	0	Copper	0		VD	FLINT	48505
LG05532	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05533	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05535	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05538	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05539	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05540	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05542	1/28/2016	Lead	0	Copper	0			FLINT	48507
LG05544	1/28/2016	Lead	0	Copper	0			FLINT	
LG05546	1/28/2016	Lead	0	Copper	280			FLINT	48507
LG05548	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05549	1/28/2016	Lead	0	Copper	0		65	FLINT	48503
LG05550	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05551	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05553	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05557	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05558	1/28/2016	Lead	0	Copper	0			FLINT	48507
LG05561	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05565	1/28/2016	Lead	0	Copper	100			FLINT	48504
LG05566	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05567	1/28/2016	Lead	0	Copper	260			FLINT	
LG05571	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05575	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05576	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05578	1/28/2016	Lead	0	Copper	80			FLINT	48507
LG05579	1/28/2016	Lead	0	Copper	0			FLINT	48507
LG05580	1/28/2016	Lead	0	Copper	0				
LG05584	1/28/2016	Lead	0	Copper	80			FLINT	48504
LG05587	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05591	1/28/2016	Lead	0	Copper	0			FLINT	48502
LG05594	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05597	1/28/2016	Lead	0	Copper	100			FLINT	48503
LG05598	1/28/2016	Lead	0	Copper	0		4	FLINT	48507
LG05600	1/28/2016	Lead	0	Copper	0		51	FLINT	48503
LG05601	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05605	1/28/2016	Lead	0	Copper	80			FLINT	48505
LG05606	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05609	1/28/2016	Lead	0	Copper	250		E ST	FLINT	48502
LG05612	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05614	1/28/2016	Lead	0	Copper	0			FLINT	
LG05615	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05616	1/28/2016	Lead	0	Copper	90			FLINT	48506
LG05617	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05618	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05619	1/28/2016	Lead	0	Copper	60			FLINT	48506
LG05621	1/28/2016	Lead	0	Copper	110			FLINT	48504
LG05622	1/28/2016	Lead	0	Copper	0			FLINT	48532

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05625	1/28/2016	Lead	0	Copper	70			FLINT	48503
LG05626	1/28/2016	Lead	0	Copper	60			FLINT	48532
LG05629	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05633	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05635	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05638	1/28/2016	Lead	0	Copper	60			FLINT	48503
LG05666	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05667	1/28/2016	Lead	0	Copper	1,020			FLINT	48506
LG05670	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05671	1/28/2016	Lead	0	Copper	50			FLINT	48506
LG05673	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05675	1/28/2016	Lead	0	Copper	0			FLINT	48507
LG05677	1/28/2016	Lead	0	Copper	100			FLINT	48506
LG05680	1/28/2016	Lead	0	Copper	0			FLINT	
LG05681	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05683	1/28/2016	Lead	0	Copper	100		9	FLINT	48503
LG05685	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05690	1/28/2016	Lead	0	Copper	110			FLINT	48503
LG05691	1/28/2016	Lead	0	Copper	90			FLINT	48507
LG05692	1/28/2016	Lead	0	Copper	60				
LG05694	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05701	1/28/2016	Lead	0	Copper	170			FLINT	48504
LG05702	1/28/2016	Lead	0	Copper	130				
LG05704	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05706	1/28/2016	Lead	0	Copper	110			FLINT	48503
LG05709	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05711	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05715	1/28/2016	Lead	0	Copper	440			FLINT	48502
LG05716	1/28/2016	Lead	0	Copper	0			FLINT	48503
LG05720	1/28/2016	Lead	0	Copper	0		ORT INN	FLINT	
LG05721	1/28/2016	Lead	0	Copper	0				
LG05724	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05725	1/28/2016	Lead	0	Copper	0		MILLER RD	FLINT	48504
LG05727	1/28/2016	Lead	0	Copper	70		NE	FLINT	48507
LG05729	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05732	1/28/2016	Lead	0	Copper	70			FLINT	48503
LG05733	1/28/2016	Lead	0	Copper	60			FLINT	48504
LG05734	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05735	1/28/2016	Lead	0	Copper	150		VE	FLINT	48507
LG05736	1/28/2016	Lead	0	Copper	0			FLINT	48506
LG05743	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05744	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05746	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05750	1/28/2016	Lead	0	Copper	170			FLINT	48503
LG05752	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05754	1/28/2016	Lead	0	Copper	0			FLINT	48507
LG05755	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05756	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05758	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05763	1/28/2016	Lead	0	Copper	0			FLINT	48505
LG05765	1/28/2016	Lead	0	Copper	60			FLINT	48504
LG05766	1/28/2016	Lead	0	Copper	0			FLINT	48504
LG05767	1/28/2016	Lead	0	Copper	0			FLINT	
LG05771	1/28/2016	Lead	0	Copper	60			FLINT	48507
LG05841	1/29/2016	Lead	0	Copper	0			FLINT	
LG05890	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05892	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05906	1/29/2016	Lead	0	Copper	60			FLINT	48503
LG05908	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05909	1/29/2016	Lead	0	Copper	0			FLINT	
LG05914	1/29/2016	Lead	0	Copper	80			FLINT	48503
LG05916	1/29/2016	Lead	0	Copper	90			FLINT	48532
LG05917	1/29/2016	Lead	0	Copper	0		02	FLINT	48502
LG05918	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05919	1/29/2016	Lead	0	Copper	50			FLINT	48532
LG05920	1/29/2016	Lead	0	Copper	110		E	FLINT	48507
LG05922	1/29/2016	Lead	0	Copper	80			FLINT	48532
LG05923	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05926	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05927	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG05931	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG05933	1/29/2016	Lead	0	Copper	90			FLINT	48503
LG05936	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05937	1/29/2016	Lead	0	Copper	220			FLINT	48507
LG05938	1/29/2016	Lead	0	Copper	90			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	*	Street Name	City	Zip Code
LG05939	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG05941	1/29/2016	Lead	0	Copper	110			FLINT	48504
LG05943	1/29/2016	Lead	0	Copper	60			FLINT	48507
LG05951	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG05955	1/29/2016	Lead	0	Copper	90			FLINT	48504
LG05956	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG05957	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05958	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05960	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05962	1/29/2016	Lead	0	Copper	160				
LG05963	1/29/2016	Lead	0	Copper	80			FLINT	48506
LG05964	1/29/2016	Lead	0	Copper	0		DT 70	FLINT	48507
LG05976	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05980	1/29/2016	Lead	0	Copper	0				
LG05981	1/29/2016	Lead	0	Copper	360				
LG05987	1/29/2016	Lead	0	Copper	70			FLINT	48504
LG05989	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG05990	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05991	1/29/2016	Lead	0	Copper	160			FLINT	48506
LG05992	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05993	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG05994	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG05998	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG05999	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06000	1/29/2016	Lead	0	Copper	90			FLINT	48505
LG06001	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06002	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06003	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06004	1/29/2016	Lead	0	Copper	130			FLINT	
LG06008	1/29/2016	Lead	0	Copper	0		IVE	FLINT	48532
LG06010	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06015	1/29/2016	Lead	0	Copper	60			FLINT	48505
LG06018	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06020	1/29/2016	Lead	0	Copper	80			FLINT	48504
LG06021	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06028	1/29/2016	Lead	0	Copper	0		L	FLINT	48507
LG06029	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06033	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06034	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06037	1/29/2016	Lead	0	Copper	110			FLINT	48503
LG06039	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06043	1/29/2016	Lead	0	Copper	150			FLINT	48507
LG06046	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06049	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06051	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06052	1/29/2016	Lead	0	Copper	90			FLINT	48505
LG06053	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06054	1/29/2016	Lead	0	Copper	70			FLINT	48504
LG06056	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06057	1/29/2016	Lead	0	Copper	0			FLINT	
LG06059	1/29/2016	Lead	0	Copper	0			FLINT	
LG06060	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06061	1/29/2016	Lead	0	Copper	120			FLINT	48504
LG06063	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06065	1/29/2016	Lead	0	Copper	180			FLINT	48504
LG06066	1/29/2016	Lead	0	Copper	60			FLINT	48505
LG06067	1/29/2016	Lead	0	Copper	80			FLINT	48507
LG06068	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06075	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06076	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06077	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06078	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06079	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06083	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06084	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06086	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06089	1/29/2016	Lead	0	Copper	0				
LG06094	1/29/2016	Lead	0	Copper	340			FLINT	48505
LG06097	1/29/2016	Lead	0	Copper	220			FLINT	48503
LG06101	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06103	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06105	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06106	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06107	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06108	1/29/2016	Lead	0	Copper	0			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)		Street Name	City	Zip Code
LG06111	1/29/2016	Lead	0	Copper	100			FLINT	48503
LG06112	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06113	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06114	1/29/2016	Lead	0	Copper	0			FLINT	
LG06115	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06120	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06122	1/29/2016	Lead	0	Copper	90			FLINT	48507
LG06125	1/29/2016	Lead	0	Copper	0		E	FLINT	48507
LG06126	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06128	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06132	1/29/2016	Lead	0	Copper	70			FLINT	48505
LG06133	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06137	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06138	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06139	1/29/2016	Lead	0	Copper	100	(		FLINT	48506
LG06140	1/29/2016	Lead	0	Copper	90			FLINT	48507
LG06145	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06146	1/29/2016	Lead	0	Copper	140				
LG06148	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06149	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06150	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06152	1/29/2016	Lead	0	Copper	60			FLINT	48506
LG06153	1/29/2016	Lead	0	Copper	140			FLINT	48506
LG06154	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06156	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06157	1/29/2016	Lead	0	Copper	80			FLINT	48532
LG06159	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06160	1/29/2016	Lead	0	Copper	100		#206	FLINT	48503
LG06162	1/29/2016	Lead	0	Copper	260			FLINT	48505
LG06163	1/29/2016	Lead	0	Copper	60	1		FLINT	48507
LG06166	1/29/2016	Lead	0	Copper	0	1		BURTON	48529
LG06168	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06173	1/29/2016	Lead	0	Copper	0	3		FLINT	48506
LG06174	1/29/2016	Lead	0	Copper	0	3		FLINT	48506
LG06175	1/29/2016	Lead	0	Copper	0	2		FLINT	48504
LG06176	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06177	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06178	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06182	1/29/2016	Lead	0	Copper	50			FLINT	48503
LG06183	1/29/2016	Lead	0	Copper	80		EWOOD MANOR]	FLINT	48505
LG06184	1/29/2016	Lead	0	Copper	0			FLINT	48506
LG06185	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06188	1/29/2016	Lead	0	Copper	0		R		48503
LG06190	1/29/2016	Lead	0	Copper	0			FLINT	48505
LG06191	1/29/2016	Lead	0	Copper	0		AVE	FLINT	48503
LG06193	1/29/2016	Lead	0	Copper	0			FLINT	48504
LG06202	1/29/2016	Lead	0	Copper	0			FLINT	
LG06203	1/29/2016	Lead	0	Copper	0			BURTON	48529
LG06204	1/29/2016	Lead	0	Copper	210			FLINT	48505
LG06207	1/29/2016	Lead	0	Copper	0		NG AVE	FLINT	48506
LG06208	1/29/2016	Lead	0	Copper	190		E	FLINT	48503
LG06209	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06210	1/29/2016	Lead	0	Copper	0				48506
LG06211	1/29/2016	Lead	0	Copper	70		4	FLINT	48507
LG06212	1/29/2016	Lead	0	Copper	0			FLINT	48532
LG06217	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06218	1/29/2016	Lead	0	Copper	80		E	FLINT	48503
LG06219	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06220	1/29/2016	Lead	0	Copper	0			FLINT	48507
LG06221	1/29/2016	Lead	0	Copper	80		WY	FLINT	48507
LG06222	1/29/2016	Lead	0	Copper	80			FLINT	48507
LG06225	1/29/2016	Lead	0	Copper	0			BURTON	48529
LG06226	1/29/2016	Lead	0	Copper	170			FLINT	48503
LG06227	1/29/2016	Lead	0	Copper	110			BURTON	48529
LG06228	1/29/2016	Lead	0	Copper	0			FLINT	48503
LG06257	1/30/2016	Lead	0	Copper	340			FLINT	48503
LG06258	1/30/2016	Lead	0	Copper	0		7	FLINT	48503
LG06260	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06262	1/30/2016	Lead	0	Copper	120			FLINT	48504
LG06264	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06265	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG06271	1/30/2016	Lead	0	Copper	110			FLINT	48503
LG06272	1/30/2016	Lead	0	Copper	90			FLINT	48505
LG06274	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06276	1/30/2016	Lead	0	Copper	0		WNHOUSE #17	FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible]	Street Name	City	Zip Code
LG06277	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06282	1/30/2016	Lead	0	Copper	0		43	FLINT	48503
LG06284	1/30/2016	Lead	0	Copper	0			FLINT	
LG06291	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06293	1/30/2016	Lead	0	Copper	80			FLINT	48506
LG06296	1/30/2016	Lead	0	Copper	0			BURTON	48529
LG06297	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06302	1/30/2016	Lead	0	Copper	0			FLINT	48504
LG06305	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06307	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG06309	1/30/2016	Lead	0	Copper	110			FLINT	48506
LG06310	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06311	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06312	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06314	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06315	1/30/2016	Lead	0	Copper	60			FLINT	48507
LG06317	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06318	1/30/2016	Lead	0	Copper	70		16	FLINT	48507
LG06320	1/30/2016	Lead	0	Copper	120			FLINT	48507
LG06322	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06323	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06324	1/30/2016	Lead	0	Copper	0			FLINT	48504
LG06326	1/30/2016	Lead	0	Copper	0			FLINT	48532
LG06327	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG06328	1/30/2016	Lead	0	Copper	190			FLINT	48507
LG06330	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06334	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06337	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06341	1/30/2016	Lead	0	Copper	170			FLINT	48507
LG06342	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06345	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06346	1/30/2016	Lead	0	Copper	90			FLINT	48503
LG06348	1/30/2016	Lead	0	Copper	80			FLINT	48507
LG06350	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06354	1/30/2016	Lead	0	Copper	100			FLINT	48507
LG06355	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG06356	1/30/2016	Lead	0	Copper	120			FLINT	48503
LG06358	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06359	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06360	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06364	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06365	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG06366	1/30/2016	Lead	0	Copper	0		Y BLVD APT 202	FLINT	48503
LG06368	1/30/2016	Lead	0	Copper	260			FLINT	48504
LG06370	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06371	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06377	1/30/2016	Lead	0	Copper	80			FLINT	48503
LG06378	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG06380	1/30/2016	Lead	0	Copper	60			FLINT	48506
LG06382	1/30/2016	Lead	0	Copper	250			FLINT	48506
LG06384	1/30/2016	Lead	0	Copper	0	G		FLINT	48504
LG06387	1/30/2016	Lead	0	Copper	0				48503
LG06388	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06389	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06390	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06391	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06392	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06394	1/30/2016	Lead	0	Copper	0		IE	FLINT	48506
LG06395	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06396	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06398	1/30/2016	Lead	0	Copper	340			FLINT	48506
LG06399	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06401	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06403	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06405	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06406	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06407	1/30/2016	Lead	0	Copper	0			FLINT	
LG06411	1/30/2016	Lead	0	Copper	0			FLINT	48505
LG06415	1/30/2016	Lead	0	Copper	0			FLINT	48504
LG06417	1/30/2016	Lead	0	Copper	130			FLINT	48507
LG06418	1/30/2016	Lead	0	Copper	0			FLINT	48504
LG06420	1/30/2016	Lead	0	Copper	0				
LG06423	1/30/2016	Lead	0	Copper	0			FLINT	
LG06425	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06426	1/30/2016	Lead	0	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG06429	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06430	1/30/2016	Lead	0	Copper	70			FLINT	48507
LG06431	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06433	1/30/2016	Lead	0	Copper	0			FLINT	48507
LG06434	1/30/2016	Lead	0	Copper	140			FLINT	48506
LG06439	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06442	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06443	1/30/2016	Lead	0	Copper	180			FLINT	48506
LG06444	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06445	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06446	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06447	1/30/2016	Lead	0	Copper	70			FLINT	48503
LG06456	1/30/2016	Lead	0	Copper	90			FLINT	48504
LG06459	1/30/2016	Lead	0	Copper	210			FLINT	48506
LG06460	1/30/2016	Lead	0	Copper	80			FLINT	48505
LG06462	1/30/2016	Lead	0	Copper	0			FLINT	48506
LG06463	1/30/2016	Lead	0	Copper	0			FLINT	48503
LG06464	1/30/2016	Lead	0	Copper	120			FLINT	48504
LG06466	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06467	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06468	1/31/2016	Lead	0	Copper	360			FLINT	48503
LG06470	1/31/2016	Lead	0	Copper	330			FLINT	48503
LG06473	1/31/2016	Lead	0	Copper	0			FLINT	48505
LG06475	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06476	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06480	1/31/2016	Lead	0	Copper	50			FLINT	48506
LG06481	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06482	1/31/2016	Lead	0	Copper	0			FLINT	48505
LG06484	1/31/2016	Lead	0	Copper	0		/E	FLINT	48505
LG06485	1/31/2016	Lead	0	Copper	0			FLINT	
LG06486	1/31/2016	Lead	0	Copper	50			FLINT	48503
LG06492	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06495	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06496	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06497	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06503	1/31/2016	Lead	0	Copper	0			FLINT	
LG06507	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06508	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06510	1/31/2016	Lead	0	Copper	0				
LG06513	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06514	1/31/2016	Lead	0	Copper	0			FLINT	48502
LG06518	1/31/2016	Lead	0	Copper	120		12	FLINT	48503
LG06521	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06522	1/31/2016	Lead	0	Copper	60			FLINT	48503
LG06523	1/31/2016	Lead	0	Copper	70			FLINT	48504
LG06527	1/31/2016	Lead	0	Copper	150			FLINT	48504
LG06529	1/31/2016	Lead	0	Copper	0			FLINT	48532
LG06534	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06538	1/31/2016	Lead	0	Copper	370		Y	FLINT	48504
LG06541	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06542	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06543	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06544	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06553	1/31/2016	Lead	0	Copper	0		UE	FLINT	48503
LG06554	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06556	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06559	1/31/2016	Lead	0	Copper	50			FLINT	48506
LG06561	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06562	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06563	1/31/2016	Lead	0	Copper	0		A	FLINT	48506
LG06564	1/31/2016	Lead	0	Copper	70			FLINT	48506
LG06565	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06568	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06569	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06571	1/31/2016	Lead	0	Copper	80			FLINT	48503
LG06572	1/31/2016	Lead	0	Copper	50			FLINT	48503
LG06573	1/31/2016	Lead	0	Copper	0		NUE	FLINT	48503
LG06574	1/31/2016	Lead	0	Copper	160			FLINT	48504
LG06576	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06577	1/31/2016	Lead	0	Copper	600			FLINT	48503
LG06581	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06582	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06583	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06584	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06586	1/31/2016	Lead	0	Copper	130			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG06587	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06588	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06590	1/31/2016	Lead	0	Copper	60			FLINT	48507
LG06591	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06592	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06594	1/31/2016	Lead	0	Copper	0			FLINT	48504
LG06597	1/31/2016	Lead	0	Copper	0				
LG06598	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06601	1/31/2016	Lead	0	Copper	280			FLINT	48507
LG06603	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06604	1/31/2016	Lead	0	Copper	0				
LG06605	1/31/2016	Lead	0	Copper	0	9		FLINT	48507
LG06606	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06607	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06608	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06609	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06611	1/31/2016	Lead	0	Copper	0				48505
LG06612	1/31/2016	Lead	0	Copper	140			FLINT	48507
LG06616	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06621	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06622	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06626	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06627	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06628	1/31/2016	Lead	0	Copper	130			FLINT	
LG06629	1/31/2016	Lead	0	Copper	260			FLINT	48507
LG06632	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06636	1/31/2016	Lead	0	Copper	190			FLINT	
LG06637	1/31/2016	Lead	0	Copper	60	MI		FLINT	48507
LG06638	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06640	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06641	1/31/2016	Lead	0	Copper	100	13		FLINT	48503
LG06642	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06643	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06649	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06655	1/31/2016	Lead	0	Copper	70			FLINT	
LG06661	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06662	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06664	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06667	1/31/2016	Lead	0	Copper	0			FLINT	48507
LG06668	1/31/2016	Lead	0	Copper	100			FLINT	48506
LG06669	1/31/2016	Lead	0	Copper	0			FLINT	48506
LG06670	1/31/2016	Lead	0	Copper	0			FLINT	48503
LG06729	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06730	2/1/2016	Lead	0	Copper	110			FLINT	48503
LG06735	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06737	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG06738	2/1/2016	Lead	0	Copper	0			FLINT	
LG06739	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06740	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG06741	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG06742	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06744	2/1/2016	Lead	0	Copper	0			FLINT	
LG06746	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG06751	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06754	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG06755	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06759	2/1/2016	Lead	0	Copper	0			FLINT	
LG06760	2/1/2016	Lead	0	Copper	60			FLINT	
LG06762	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG06764	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG06765	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06768	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06770	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG06771	2/1/2016	Lead	0	Copper	80			FLINT	48503
LG06772	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06774	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG06777	2/1/2016	Lead	0	Copper	0			FLINT	48506
LG06779	2/1/2016	Lead	0	Copper	70			FLINT	48504
LG06780	2/1/2016	Lead	0	Copper	130			FLINT	48507
LG06782	2/1/2016	Lead	0	Copper	0			FLINT	48504
LG06783	2/1/2016	Lead	0	Copper	60			FLINT	48503
LG06785	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG06786	2/1/2016	Lead	0	Copper	0				48505
LG06788	2/1/2016	Lead	0	Copper	280			FLINT	48507
LG06794	2/1/2016	Lead	0	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	N	Street Name	City	Zip Code
LG06796	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06798	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06799	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06800	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06801	2/1/2016	Lead	0	Copper	0				FLINT	
LG06805	2/1/2016	Lead	0	Copper	140				FLINT	48507
LG06806	2/1/2016	Lead	0	Copper	60				FLINT	48507
LG06808	2/1/2016	Lead	0	Copper	50				FLINT	48507
LG06811	2/1/2016	Lead	0	Copper	810			AVE	FLINT	48505
LG06813	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06815	2/1/2016	Lead	0	Copper	0			E	FLINT	48507
LG06816	2/1/2016	Lead	0	Copper	0		(		FLINT	48504
LG06817	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06818	2/1/2016	Lead	0	Copper	110				FLINT	48507
LG06819	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06820	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06824	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06826	2/1/2016	Lead	0	Copper	80				FLINT	48507
LG06827	2/1/2016	Lead	0	Copper	60				FLINT	48503
LG06829	2/1/2016	Lead	0	Copper	130				FLINT	48504
LG06831	2/1/2016	Lead	0	Copper	90				FLINT	48507
LG06832	2/1/2016	Lead	0	Copper	0				FLINT	48504
LG06833	2/1/2016	Lead	0	Copper	0				FLINT	48504
LG06834	2/1/2016	Lead	0	Copper	240				FLINT	48503
LG06835	2/1/2016	Lead	0	Copper	0				FLINT	48504
LG06836	2/1/2016	Lead	0	Copper	0				FLINT	48504
LG06840	2/1/2016	Lead	0	Copper	0				FLINT	48505
LG06842	2/1/2016	Lead	0	Copper	0				FLINT	48505
LG06843	2/1/2016	Lead	0	Copper	0				FLINT	48505
LG06845	2/1/2016	Lead	0	Copper	0				FLINT	48505
LG06846	2/1/2016	Lead	0	Copper	220				FLINT	48505
LG06847	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06848	2/1/2016	Lead	0	Copper	0			VE	FLINT	48507
LG06849	2/1/2016	Lead	0	Copper	0				FLINT	
LG06850	2/1/2016	Lead	0	Copper	90				FLINT	48503
LG06853	2/1/2016	Lead	0	Copper	60				FLINT	48507
LG06856	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06857	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06858	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06860	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06861	2/1/2016	Lead	0	Copper	0				FLINT	48505
LG06862	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06863	2/1/2016	Lead	0	Copper	0			VE	FLINT	48507
LG06865	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06866	2/1/2016	Lead	0	Copper	50				FLINT	48506
LG06868	2/1/2016	Lead	0	Copper	0				FLINT	48506
LG06869	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06870	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06871	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06873	2/1/2016	Lead	0	Copper	0				FLINT	48505
LG06874	2/1/2016	Lead	0	Copper	0				FLINT	48507
LG06881	2/1/2016	Lead	0	Copper	0			E	FLINT	48503
LG06883	2/1/2016	Lead	0	Copper	70				FLINT	48503
LG06887	2/1/2016	Lead	0	Copper	0			)T 83	FLINT	48507
LG06889	2/1/2016	Lead	0	Copper	0				FLINT	48532
LG06891	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06894	2/1/2016	Lead	0	Copper	0				FLINT	48505
LG06895	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06898	2/1/2016	Lead	0	Copper	0				FLINT	48504
LG06900	2/1/2016	Lead	0	Copper	0			AY	FLINT	48506
LG06901	2/1/2016	Lead	0	Copper	290			/E	FLINT	48503
LG06902	2/1/2016	Lead	0	Copper	120				FLINT	48503
LG06904	2/1/2016	Lead	0	Copper	100				FLINT	48504
LG06907	2/1/2016	Lead	0	Copper	0				FLINT	48504
LG06909	2/1/2016	Lead	0	Copper	0			E ST	FLINT	48507
LG06910	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06912	2/1/2016	Lead	0	Copper	100				FLINT	48507
LG06913	2/1/2016	Lead	0	Copper	100				FLINT	48532
LG06915	2/1/2016	Lead	0	Copper	250				FLINT	48503
LG06916	2/1/2016	Lead	0	Copper	0				FLINT	
LG06917	2/1/2016	Lead	0	Copper	0				FLINT	48504
LG06918	2/1/2016	Lead	0	Copper	0				FLINT	48506
LG06919	2/1/2016	Lead	0	Copper	0				FLINT	48503
LG06920	2/1/2016	Lead	0	Copper	0				FLINT	48504
LG06921	2/1/2016	Lead	0	Copper	50				FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG06922	2/1/2016	Lead	0	Copper	140	[illegible]	FLINT	48504
LG06926	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG06927	2/1/2016	Lead	0	Copper	90	APT 312	FLINT	48503
LG06930	2/1/2016	Lead	0	Copper	60		FLINT	48504
LG06935	2/1/2016	Lead	0	Copper	120	LE	FLINT	48503
LG06937	2/1/2016	Lead	0	Copper	90		FLINT	48503
LG06940	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG06942	2/1/2016	Lead	0	Copper	0		FLINT	48507
LG06943	2/1/2016	Lead	0	Copper	180		FLINT	48507
LG06945	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG06948	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG06949	2/1/2016	Lead	0	Copper	0		FLINT	
LG06957	2/1/2016	Lead	0	Copper	0		FLINT	48505
LG06958	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG06960	2/1/2016	Lead	0	Copper	150		FLINT	48503
LG06961	2/1/2016	Lead	0	Copper	60		FLINT	48532
LG06962	2/1/2016	Lead	0	Copper	80		FLINT	48504
LG06963	2/1/2016	Lead	0	Copper	0			48503
LG06966	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG06968	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG06970	2/1/2016	Lead	0	Copper	0		FLINT	48505
LG06972	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG06974	2/1/2016	Lead	0	Copper	60		FLINT	48507
LG06975	2/1/2016	Lead	0	Copper	0		FLINT	
LG06977	2/1/2016	Lead	0	Copper	60		FLINT	48506
LG06978	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG06979	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG06980	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG06982	2/1/2016	Lead	0	Copper	0	VD	FLINT	48505
LG06983	2/1/2016	Lead	0	Copper	360		FLINT	48503
LG06984	2/1/2016	Lead	0	Copper	0		FLINT	48505
LG06985	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG06989	2/1/2016	Lead	0	Copper	0		FLINT	48507
LG06991	2/1/2016	Lead	0	Copper	130	WAY	FLINT	48503
LG06994	2/1/2016	Lead	0	Copper	0		FLINT	48507
LG06997	2/1/2016	Lead	0	Copper	180		FLINT	48504
LG07002	2/1/2016	Lead	0	Copper	50		FLINT	48505
LG07003	2/1/2016	Lead	0	Copper	70		FLINT	48503
LG07004	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG07006	2/1/2016	Lead	0	Copper	0		FLINT	48505
LG07007	2/1/2016	Lead	0	Copper	110		FLINT	48503
LG07008	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07009	2/1/2016	Lead	0	Copper	60		FLINT	48504
LG07017	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07022	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG07029	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG07030	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG07031	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07033	2/1/2016	Lead	0	Copper	0		FLINT	48505
LG07034	2/1/2016	Lead	0	Copper	180		FLINT	48503
LG07036	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG07037	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07045	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG07046	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07047	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG07049	2/1/2016	Lead	0	Copper	0		FLINT	
LG07051	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07053	2/1/2016	Lead	0	Copper	60		FLINT	48504
LG07054	2/1/2016	Lead	0	Copper	0		FLINT	48504
LG07058	2/1/2016	Lead	0	Copper	440		FLINT	48503
LG07059	2/1/2016	Lead	0	Copper	0		FLINT	
LG07062	2/1/2016	Lead	0	Copper	0		FLINT	48507
LG07064	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07065	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07066	2/1/2016	Lead	0	Copper	260		FLINT	48507
LG07067	2/1/2016	Lead	0	Copper	0		FLINT	48507
LG07068	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07070	2/1/2016	Lead	0	Copper	0		FLINT	48057
LG07071	2/1/2016	Lead	0	Copper	0		FLINT	48507
LG07073	2/1/2016	Lead	0	Copper	0		FLINT	
LG07074	2/1/2016	Lead	0	Copper	0		FLINT	
LG07076	2/1/2016	Lead	0	Copper	100		FLINT	48504
LG07081	2/1/2016	Lead	0	Copper	0		FLINT	48506
LG07083	2/1/2016	Lead	0	Copper	0		FLINT	48503
LG07085	2/1/2016	Lead	0	Copper	190		FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07092	2/1/2016	Lead	0	Copper	0			FLINT	48507
LG07093	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG07098	2/1/2016	Lead	0	Copper	0			FLINT	48503
LG07399	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG07400	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07402	2/2/2016	Lead	0	Copper	140			FLINT	48504
LG07406	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07408	2/2/2016	Lead	0	Copper	50			FLINT	48503
LG07409	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07410	2/2/2016	Lead	0	Copper	240			FLINT	48505
LG07411	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07414	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07415	2/2/2016	Lead	0	Copper	150			FLINT	48504
LG07416	2/2/2016	Lead	0	Copper	0			FLINT	
LG07417	2/2/2016	Lead	0	Copper	80			FLINT	48504
LG07421	2/2/2016	Lead	0	Copper	0			FLINT	
LG07422	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07424	2/2/2016	Lead	0	Copper	60			FLINT	48504
LG07425	2/2/2016	Lead	0	Copper	200			FLINT	
LG07426	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07429	2/2/2016	Lead	0	Copper	130			FLINT	48503
LG07430	2/2/2016	Lead	0	Copper	50			FLINT	48503
LG07431	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07433	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07436	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG07437	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07438	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07439	2/2/2016	Lead	0	Copper	200			FLINT	48506
LG07444	2/2/2016	Lead	0	Copper	80			FLINT	48505
LG07448	2/2/2016	Lead	0	Copper	480			FLINT	48503
LG07451	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07452	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG07456	2/2/2016	Lead	0	Copper	0			FLINT	
LG07459	2/2/2016	Lead	0	Copper	320			FLINT	48507
LG07460	2/2/2016	Lead	0	Copper	380			FLINT	48503
LG07464	2/2/2016	Lead	0	Copper	80		D	FLINT	48507
LG07466	2/2/2016	Lead	0	Copper	120			FLINT	48504
LG07467	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07468	2/2/2016	Lead	0	Copper	60		I AVE	FLINT	48503
LG07469	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07470	2/2/2016	Lead	0	Copper	90			FLINT	48507
LG07473	2/2/2016	Lead	0	Copper	50			FLINT	48503
LG07474	2/2/2016	Lead	0	Copper	0		ET	FLINT	48503
LG07475	2/2/2016	Lead	0	Copper	140			FLINT	48504
LG07476	2/2/2016	Lead	0	Copper	0		E	FLINT	48507
LG07478	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07480	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07481	2/2/2016	Lead	0	Copper	0		E	FLINT	48532
LG07482	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07484	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07485	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07486	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07487	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07488	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07490	2/2/2016	Lead	0	Copper	0			FLINT	
LG07491	2/2/2016	Lead	0	Copper	70			FLINT	48507
LG07494	2/2/2016	Lead	0	Copper	0		Y	FLINT	
LG07495	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07496	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07498	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07501	2/2/2016	Lead	0	Copper	90		ARKWAY	FLINT	48507
LG07503	2/2/2016	Lead	0	Copper	290			FLINT	48503
LG07504	2/2/2016	Lead	0	Copper	0		VE	FLINT	48505
LG07506	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07507	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07509	2/2/2016	Lead	0	Copper	0		LVD	FLINT	48505
LG07511	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07512	2/2/2016	Lead	0	Copper	90			FLINT	48503
LG07513	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07514	2/2/2016	Lead	0	Copper	90			BURTON	48529
LG07515	2/2/2016	Lead	0	Copper	60			FLINT	48505
LG07517	2/2/2016	Lead	0	Copper	60			FLINT	48532
LG07519	2/2/2016	Lead	0	Copper	0			FLINT	48519
LG07520	2/2/2016	Lead	0	Copper	130			FLINT	48504
LG07521	2/2/2016	Lead	0	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07523	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07524	2/2/2016	Lead	0	Copper	180			FLINT	48506
LG07525	2/2/2016	Lead	0	Copper	330			FLINT	48503
LG07526	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07528	2/2/2016	Lead	0	Copper	190			FLINT	48506
LG07530	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07532	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07533	2/2/2016	Lead	0	Copper	60			FLINT	48505
LG07534	2/2/2016	Lead	0	Copper	100			FLINT	48506
LG07535	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07537	2/2/2016	Lead	0	Copper	560			FLINT	48505
LG07538	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07542	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07543	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07547	2/2/2016	Lead	0	Copper	150			FLINT	48503
LG07551	2/2/2016	Lead	0	Copper	130			FLINT	48506
LG07557	2/2/2016	Lead	0	Copper	0			FLINT	
LG07558	2/2/2016	Lead	0	Copper	90			FLINT	48532
LG07559	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07560	2/2/2016	Lead	0	Copper	180			FLINT	48506
LG07561	2/2/2016	Lead	0	Copper	90			FLINT	48504
LG07563	2/2/2016	Lead	0	Copper	60			FLINT	48504
LG07566	2/2/2016	Lead	0	Copper	60			FLINT	48507
LG07567	2/2/2016	Lead	0	Copper	100			FLINT	48507
LG07568	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07569	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07571	2/2/2016	Lead	0	Copper	70			FLINT	48507
LG07572	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07575	2/2/2016	Lead	0	Copper	340		ARKWAY	FLINT	48507
LG07576	2/2/2016	Lead	0	Copper	100			FLINT	48507
LG07577	2/2/2016	Lead	0	Copper	0			MT MORRIS	48458
LG07578	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07582	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07583	2/2/2016	Lead	0	Copper	0		E	FLINT	48507
LG07584	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07588	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07592	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07593	2/2/2016	Lead	0	Copper	50			FLINT	48506
LG07595	2/2/2016	Lead	0	Copper	200			MT MORRIS	48458
LG07597	2/2/2016	Lead	0	Copper	100			FLINT	48504
LG07600	2/2/2016	Lead	0	Copper	160			FLINT	48506
LG07604	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07605	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07606	2/2/2016	Lead	0	Copper	170			FLINT	48503
LG07607	2/2/2016	Lead	0	Copper	80			FLINT	48503
LG07609	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07610	2/2/2016	Lead	0	Copper	0			FLINT	
LG07612	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07613	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07615	2/2/2016	Lead	0	Copper	100			FLINT	48507
LG07617	2/2/2016	Lead	0	Copper	140			FLINT	48506
LG07619	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07622	2/2/2016	Lead	0	Copper	0			FLINT	
LG07623	2/2/2016	Lead	0	Copper	350			FLINT	48505
LG07628	2/2/2016	Lead	0	Copper	140			FLINT	48503
LG07630	2/2/2016	Lead	0	Copper	0			FLINT	48502
LG07631	2/2/2016	Lead	0	Copper	100			FLINT	48504
LG07632	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07633	2/2/2016	Lead	0	Copper	70			FLINT	48503
LG07634	2/2/2016	Lead	0	Copper	0			FLINT	
LG07635	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07636	2/2/2016	Lead	0	Copper	110			FLINT	48503
LG07638	2/2/2016	Lead	0	Copper	130			FLINT	48503
LG07639	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07640	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07641	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07643	2/2/2016	Lead	0	Copper	90		I AVE	FLINT	48503
LG07644	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG07647	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07649	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07650	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07651	2/2/2016	Lead	0	Copper	380			FLINT	48505
LG07652	2/2/2016	Lead	0	Copper	0		E	FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07653	2/2/2016	Lead	0	Copper	0			FLUSHING	48433
LG07656	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07657	2/2/2016	Lead	0	Copper	0		AY BLVD	FLINT	48506
LG07658	2/2/2016	Lead	0	Copper	120			FLINT	48505
LG07659	2/2/2016	Lead	0	Copper	150			FLINT	48503
LG07660	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07662	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07664	2/2/2016	Lead	0	Copper	0		RIVE	FLINT	48503
LG07665	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07666	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG07667	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07669	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07670	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07671	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07672	2/2/2016	Lead	0	Copper	140			FLINT	48503
LG07675	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07676	2/2/2016	Lead	0	Copper	290			FLINT	48503
LG07680	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07684	2/2/2016	Lead	0	Copper	80			FLINT	48507
LG07686	2/2/2016	Lead	0	Copper	100			FLINT	48532
LG07688	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07690	2/2/2016	Lead	0	Copper	0		D	FLINT	48507
LG07695	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07696	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07698	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG07703	2/2/2016	Lead	0	Copper	0			FLINT	
LG07705	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07711	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07712	2/2/2016	Lead	0	Copper	270		T	FLINT	48504
LG07713	2/2/2016	Lead	0	Copper	0		21	FLINT	48503
LG07715	2/2/2016	Lead	0	Copper	0				48506
LG07716	2/2/2016	Lead	0	Copper	430			FLINT	48503
LG07718	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07721	2/2/2016	Lead	0	Copper	0			FLINT	
LG07725	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07726	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG07728	2/2/2016	Lead	0	Copper	170			FLINT	48503
LG07732	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07734	2/2/2016	Lead	0	Copper	60			FLINT	48507
LG07735	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07736	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07738	2/2/2016	Lead	0	Copper	60		R	FLINT	48503
LG07740	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07746	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07749	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07750	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07751	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07753	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07754	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07758	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07759	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07764	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07767	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07768	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07769	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07770	2/2/2016	Lead	0	Copper	50			FLINT	48053
LG07771	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07772	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07775	2/2/2016	Lead	0	Copper	190			FLINT	48504
LG07777	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07780	2/2/2016	Lead	0	Copper	0		WY	FLINT	
LG07782	2/2/2016	Lead	0	Copper	150			FLINT	48505
LG07784	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07785	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07786	2/2/2016	Lead	0	Copper	70			FLINT	48507
LG07788	2/2/2016	Lead	0	Copper	0			FLINT	
LG07789	2/2/2016	Lead	0	Copper	180			FLINT	48505
LG07790	2/2/2016	Lead	0	Copper	0			FLINT	
LG07791	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07792	2/2/2016	Lead	0	Copper	50		VE	FLINT	48505
LG07793	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07794	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07798	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07801	2/2/2016	Lead	0	Copper	0			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	...#	Street Name	City	Zip Code
LG07803	2/2/2016	Lead	0	Copper	0			FLINT	48502
LG07804	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07805	2/2/2016	Lead	0	Copper	110			FLINT	48503
LG07808	2/2/2016	Lead	0	Copper	80			FLINT	48504
LG07809	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07814	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07815	2/2/2016	Lead	0	Copper	90			FLINT	48503
LG07816	2/2/2016	Lead	0	Copper	60			FLINT	48506
LG07819	2/2/2016	Lead	0	Copper	70			FLINT	48506
LG07820	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07824	2/2/2016	Lead	0	Copper	0				48504
LG07829	2/2/2016	Lead	0	Copper	80			FLINT	48505
LG07830	2/2/2016	Lead	0	Copper	50			FLINT	48505
LG07832	2/2/2016	Lead	0	Copper	70			FLINT	48507
LG07833	2/2/2016	Lead	0	Copper	60			FLINT	48504
LG07835	2/2/2016	Lead	0	Copper	360			FLINT	48503
LG07837	2/2/2016	Lead	0	Copper	570			FLINT	48504
LG07839	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG07842	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07847	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07849	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07851	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07852	2/2/2016	Lead	0	Copper	90			FLINT	48506
LG07853	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07854	2/2/2016	Lead	0	Copper	80			FLINT	48506
LG07856	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07859	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07860	2/2/2016	Lead	0	Copper	0		VD	FLINT	
LG07869	2/2/2016	Lead	0	Copper	0			BURTON	48509
LG07877	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07878	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG07879	2/2/2016	Lead	0	Copper	0			BURTON	48529
LG07881	2/2/2016	Lead	0	Copper	0			FLINT	
LG07882	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07884	2/2/2016	Lead	0	Copper	60			FLINT	48505
LG07885	2/2/2016	Lead	0	Copper	0		E	FLINT	48507
LG07886	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07887	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07891	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07894	2/2/2016	Lead	0	Copper	80			FLINT	48507
LG07896	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07901	2/2/2016	Lead	0	Copper	0			FLINT	
LG07904	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07905	2/2/2016	Lead	0	Copper	90			FLINT	48503
LG07906	2/2/2016	Lead	0	Copper	60			BURTON	48529
LG07908	2/2/2016	Lead	0	Copper	70			FLINT	48507
LG07909	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07912	2/2/2016	Lead	0	Copper	0		T	FLINT	48505
LG07914	2/2/2016	Lead	0	Copper	70			FLINT	48505
LG07918	2/2/2016	Lead	0	Copper	210			BURTON	48529
LG07921	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07926	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07928	2/2/2016	Lead	0	Copper	150			FLINT	48505
LG07931	2/2/2016	Lead	0	Copper	50			FLINT	48532
LG07935	2/2/2016	Lead	0	Copper	0			FLINT	
LG07937	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07940	2/2/2016	Lead	0	Copper	60			FLINT	48503
LG07941	2/2/2016	Lead	0	Copper	170			FLINT	48504
LG07942	2/2/2016	Lead	0	Copper	0			FLINT	48501
LG07944	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07947	2/2/2016	Lead	0	Copper	50			FLINT	48507
LG07953	2/2/2016	Lead	0	Copper	0			FLINT	48532
LG07954	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07955	2/2/2016	Lead	0	Copper	80			FLINT	48504
LG07956	2/2/2016	Lead	0	Copper	220			FLINT	48507
LG07957	2/2/2016	Lead	0	Copper	60		E #10	FLINT	48532
LG07958	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07959	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07963	2/2/2016	Lead	0	Copper	0		R	FLINT	
LG07964	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07965	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07966	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG07969	2/2/2016	Lead	0	Copper	0			FLINT	48503
LG07970	2/2/2016	Lead	0	Copper	290		#304	FLINT	48502
LG07971	2/2/2016	Lead	0	Copper	80			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	#	Street Name	City	Zip Code
LG07972	2/2/2016	Lead	0	Copper	150		[illegible] AVE	FLINT	48504
LG07973	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07975	2/2/2016	Lead	0	Copper	550			FLINT	48506
LG07976	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07977	2/2/2016	Lead	0	Copper	70			FLINT	48506
LG07978	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07981	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07982	2/2/2016	Lead	0	Copper	60			FLINT	48506
LG07984	2/2/2016	Lead	0	Copper	0			FLINT	
LG07985	2/2/2016	Lead	0	Copper	0			FLINT	48507
LG07988	2/2/2016	Lead	0	Copper	0			FLINT	48506
LG07989	2/2/2016	Lead	0	Copper	0			FLINT	48504
LG07990	2/2/2016	Lead	0	Copper	0			FLINT	48505
LG08258	2/3/2016	Lead	0	Copper	90			FLINT	48507
LG08260	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08261	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08266	2/3/2016	Lead	0	Copper	0		104	FLINT	
LG08268	2/3/2016	Lead	0	Copper	80			FLINT	48504
LG08269	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08271	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08275	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08276	2/3/2016	Lead	0	Copper	0		[illegible]	FLINT	48506
LG08278	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08279	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08284	2/3/2016	Lead	0	Copper	70			FLINT	48503
LG08285	2/3/2016	Lead	0	Copper	50			FLINT	48504
LG08287	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08290	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08293	2/3/2016	Lead	0	Copper	120			FLINT	48504
LG08294	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08295	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08298	2/3/2016	Lead	0	Copper	0			FLINT	
LG08300	2/3/2016	Lead	0	Copper	240			FLINT	48503
LG08301	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08306	2/3/2016	Lead	0	Copper	0		[illegible]	FLINT	48506
LG08307	2/3/2016	Lead	0	Copper	60			FLINT	
LG08309	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08311	2/3/2016	Lead	0	Copper	140		[illegible]	FLINT	48503
LG08316	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08317	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG08319	2/3/2016	Lead	0	Copper	50			FLINT	48532
LG08320	2/3/2016	Lead	0	Copper	0		REET	FLINT	48507
LG08321	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08323	2/3/2016	Lead	0	Copper	50			FLINT	
LG08324	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08325	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08331	2/3/2016	Lead	0	Copper	250			FLINT	48507
LG08332	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08334	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08335	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08336	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08340	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08341	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08344	2/3/2016	Lead	0	Copper	0		[illegible]	FLINT	48506
LG08345	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG08350	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08353	2/3/2016	Lead	0	Copper	70			FLINT	48506
LG08355	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08357	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08359	2/3/2016	Lead	0	Copper	130			FLINT	48532
LG08361	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08362	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08365	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08366	2/3/2016	Lead	0	Copper	0		T APT 80	FLINT	48507
LG08368	2/3/2016	Lead	0	Copper	0				48503
LG08373	2/3/2016	Lead	0	Copper	0		H AVE	FLINT	48503
LG08376	2/3/2016	Lead	0	Copper	240			FLINT	48506
LG08379	2/3/2016	Lead	0	Copper	0			FLINT	
LG08380	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08382	2/3/2016	Lead	0	Copper	0		[illegible]	FLINT	48504
LG08384	2/3/2016	Lead	0	Copper	120			FLINT	48504
LG08387	2/3/2016	Lead	0	Copper	110			FLINT	48503
LG08388	2/3/2016	Lead	0	Copper	0		R	FLINT	48503
LG08391	2/3/2016	Lead	0	Copper	120			FLINT	48507
LG08393	2/3/2016	Lead	0	Copper	0			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG08396	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08397	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08399	2/3/2016	Lead	0	Copper	270		FLINT	48504
LG08400	2/3/2016	Lead	0	Copper	0	WY	FLINT	48503
LG08404	2/3/2016	Lead	0	Copper	60	413	FLINT	48502
LG08406	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08407	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08408	2/3/2016	Lead	0	Copper	50		FLINT	48506
LG08414	2/3/2016	Lead	0	Copper	0		FLINT	48505
LG08417	2/3/2016	Lead	0	Copper	260		FLINT	48507
LG08418	2/3/2016	Lead	0	Copper	0		FLINT	48506
LG08423	2/3/2016	Lead	0	Copper	0		FLINT	48532
LG08424	2/3/2016	Lead	0	Copper	50		FLINT	48503
LG08425	2/3/2016	Lead	0	Copper	0	AY	FLINT	48503
LG08428	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08432	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08434	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08436	2/3/2016	Lead	0	Copper	80		FLINT	48507
LG08439	2/3/2016	Lead	0	Copper	0		FLINT	
LG08440	2/3/2016	Lead	0	Copper	50	8	FLINT	48504
LG08445	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08446	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08447	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08449	2/3/2016	Lead	0	Copper	0		FLINT	48505
LG08451	2/3/2016	Lead	0	Copper	0		FLINT	48505
LG08452	2/3/2016	Lead	0	Copper	0	APT 2	FLINT	48507
LG08453	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08454	2/3/2016	Lead	0	Copper	100	D	FLINT	48505
LG08458	2/3/2016	Lead	0	Copper	80		FLINT	48507
LG08459	2/3/2016	Lead	0	Copper	80		FLINT	48507
LG08460	2/3/2016	Lead	0	Copper	0		FLINT	48505
LG08461	2/3/2016	Lead	0	Copper	80		FLINT	48532
LG08462	2/3/2016	Lead	0	Copper	150		FLINT	48507
LG08463	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08464	2/3/2016	Lead	0	Copper	60		FLINT	48507
LG08472	2/3/2016	Lead	0	Copper	0		FLINT	48506
LG08473	2/3/2016	Lead	0	Copper	0			
LG08474	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08475	2/3/2016	Lead	0	Copper	0	SE ST	FLINT	
LG08479	2/3/2016	Lead	0	Copper	0		FLINT	48506
LG08481	2/3/2016	Lead	0	Copper	110		FLINT	48503
LG08482	2/3/2016	Lead	0	Copper	370		FLINT	48507
LG08483	2/3/2016	Lead	0	Copper	140		FLINT	48504
LG08485	2/3/2016	Lead	0	Copper	0	20	FLINT	48506
LG08488	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08489	2/3/2016	Lead	0	Copper	80		FLINT	48502
LG08490	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08491	2/3/2016	Lead	0	Copper	0		FLINT	48505
LG08492	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08493	2/3/2016	Lead	0	Copper	0		FLINT	48506
LG08494	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08499	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08506	2/3/2016	Lead	0	Copper	130		FLINT	48505
LG08507	2/3/2016	Lead	0	Copper	0		FLINT	48505
LG08511	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08512	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08514	2/3/2016	Lead	0	Copper	50		FLINT	48503
LG08520	2/3/2016	Lead	0	Copper	130		FLINT	48503
LG08521	2/3/2016	Lead	0	Copper	150		FLINT	48504
LG08522	2/3/2016	Lead	0	Copper	330	AVE	FLINT	48503
LG08524	2/3/2016	Lead	0	Copper	0		FLINT	48506
LG08525	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08527	2/3/2016	Lead	0	Copper	180	S	FLINT	48503
LG08528	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08536	2/3/2016	Lead	0	Copper	0		FLINT	48503
LG08537	2/3/2016	Lead	0	Copper	0	1	FLINT	48503
LG08541	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08544	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08546	2/3/2016	Lead	0	Copper	180		FLINT	48504
LG08548	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08549	2/3/2016	Lead	0	Copper	0	VE	FLINT	
LG08552	2/3/2016	Lead	0	Copper	60	5	FLINT	48503
LG08554	2/3/2016	Lead	0	Copper	0		FLINT	48507
LG08555	2/3/2016	Lead	0	Copper	0		FLINT	48504
LG08556	2/3/2016	Lead	0	Copper	220		FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St	Street Name	City	Zip Code
LG08557	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08558	2/3/2016	Lead	0	Copper	500			FLINT	48505
LG08562	2/3/2016	Lead	0	Copper	130			FLINT	48507
LG08563	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08564	2/3/2016	Lead	0	Copper	90			FLINT	48504
LG08565	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08568	2/3/2016	Lead	0	Copper	130			FLINT	48505
LG08569	2/3/2016	Lead	0	Copper	50			FLINT	48504
LG08571	2/3/2016	Lead	0	Copper	130			FLINT	48503
LG08572	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08573	2/3/2016	Lead	0	Copper	50			FLINT	48504
LG08575	2/3/2016	Lead	0	Copper	80			FLINT	48503
LG08577	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08578	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08579	2/3/2016	Lead	0	Copper	60			FLINT	
LG08581	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08582	2/3/2016	Lead	0	Copper	450			FLINT	48505
LG08585	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG08586	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08588	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08589	2/3/2016	Lead	0	Copper	70			FLINT	
LG08591	2/3/2016	Lead	0	Copper	70			FLINT	48504
LG08593	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08594	2/3/2016	Lead	0	Copper	80			FLINT	48505
LG08595	2/3/2016	Lead	0	Copper	60			FLINT	48504
LG08597	2/3/2016	Lead	0	Copper	50			FLINT	48505
LG08599	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08600	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08601	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08602	2/3/2016	Lead	0	Copper	0		T	FLINT	48505
LG08604	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08605	2/3/2016	Lead	0	Copper	0		IUE	FLINT	48505
LG08608	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08609	2/3/2016	Lead	0	Copper	0		PT 1	FLINT	48507
LG08610	2/3/2016	Lead	0	Copper	80			FLINT	48503
LG08611	2/3/2016	Lead	0	Copper	60			FLINT	48532
LG08612	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08615	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08616	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG08618	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08620	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08622	2/3/2016	Lead	0	Copper	140			FLINT	48504
LG08623	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08626	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08628	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08629	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08630	2/3/2016	Lead	0	Copper	50			FLINT	48507
LG08635	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08637	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08643	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08652	2/3/2016	Lead	0	Copper	0		)	FLINT	48505
LG08653	2/3/2016	Lead	0	Copper	50			FLINT	48504
LG08654	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08655	2/3/2016	Lead	0	Copper	100			FLINT	48503
LG08656	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08658	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08660	2/3/2016	Lead	0	Copper	0				
LG08663	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08664	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08668	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08669	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08670	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08671	2/3/2016	Lead	0	Copper	300			FLINT	48503
LG08672	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08673	2/3/2016	Lead	0	Copper	490			FLINT	48506
LG08675	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08676	2/3/2016	Lead	0	Copper	0			FLINT	
LG08678	2/3/2016	Lead	0	Copper	80			FLINT	48503
LG08679	2/3/2016	Lead	0	Copper	280			FLINT	48503
LG08681	2/3/2016	Lead	0	Copper	50			FLINT	
LG08682	2/3/2016	Lead	0	Copper	110			FLINT	48503
LG08683	2/3/2016	Lead	0	Copper	160			FLINT	48503
LG08684	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08686	2/3/2016	Lead	0	Copper	100			FLINT	48507
LG08689	2/3/2016	Lead	0	Copper	540		IUE	FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG08692	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08693	2/3/2016	Lead	0	Copper	90				
LG08694	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08695	2/3/2016	Lead	0	Copper	220			FLINT	48505
LG08696	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08698	2/3/2016	Lead	0	Copper	0		WAY	FLINT	48503
LG08701	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08705	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08712	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08717	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08718	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08721	2/3/2016	Lead	0	Copper	300			FLINT	48503
LG08726	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08728	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08731	2/3/2016	Lead	0	Copper	90			FLINT	48507
LG08734	2/3/2016	Lead	0	Copper	280			FLINT	48502
LG08736	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08738	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08739	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08740	2/3/2016	Lead	0	Copper	0			FLINT	
LG08741	2/3/2016	Lead	0	Copper	0			FLINT	
LG08744	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08746	2/3/2016	Lead	0	Copper	0			FLINT	48532
LG08749	2/3/2016	Lead	0	Copper	220			FLINT	48503
LG08751	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08752	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08757	2/3/2016	Lead	0	Copper	130			FLINT	48507
LG08758	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08760	2/3/2016	Lead	0	Copper	70			FLINT	48507
LG08761	2/3/2016	Lead	0	Copper	0			FLINT	
LG08765	2/3/2016	Lead	0	Copper	0			FLINT	48584
LG08766	2/3/2016	Lead	0	Copper	50			FLINT	48503
LG08769	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08770	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08773	2/3/2016	Lead	0	Copper	0			FLINT	48506
LG08774	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08775	2/3/2016	Lead	0	Copper	90			FLINT	48504
LG08776	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08779	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08782	2/3/2016	Lead	0	Copper	0			FLINT	48507
LG08786	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08787	2/3/2016	Lead	0	Copper	110				
LG08792	2/3/2016	Lead	0	Copper	0			FLINT	48504
LG08793	2/3/2016	Lead	0	Copper	430			FLINT	48507
LG08794	2/3/2016	Lead	0	Copper	0			FLINT	48505
LG08795	2/3/2016	Lead	0	Copper	190			FLINT	48503
LG08803	2/3/2016	Lead	0	Copper	0			FLINT	
LG08804	2/3/2016	Lead	0	Copper	0			FLINT	48503
LG08805	2/3/2016	Lead	0	Copper	120			FLINT	48503
LG08809	2/3/2016	Lead	0	Copper	0				48504
LG09058	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09059	2/4/2016	Lead	0	Copper	170			FLINT	48503
LG09060	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09061	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09062	2/4/2016	Lead	0	Copper	110			FLINT	48504
LG09065	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09067	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09071	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09073	2/4/2016	Lead	0	Copper	0				
LG09077	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09079	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09084	2/4/2016	Lead	0	Copper	110			FLINT	48507
LG09087	2/4/2016	Lead	0	Copper	90			FLINT	48504
LG09088	2/4/2016	Lead	0	Copper	150			FLINT	
LG09090	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09094	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09097	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09098	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09099	2/4/2016	Lead	0	Copper	50			FLINT	48507
LG09100	2/4/2016	Lead	0	Copper	0			BURTON	48519
LG09101	2/4/2016	Lead	0	Copper	70			FLINT	48506
LG09102	2/4/2016	Lead	0	Copper	140			FLINT	48503
LG09104	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09105	2/4/2016	Lead	0	Copper	0		#3	FLINT	48507
LG09109	2/4/2016	Lead	0	Copper	0			FLINT	48532

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	#	Street Name	City	Zip Code
LG09110	2/4/2016	Lead	0	Copper	90			FLINT	48504
LG09112	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09114	2/4/2016	Lead	0	Copper	60			FLINT	48507
LG09115	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09117	2/4/2016	Lead	0	Copper	70			FLINT	48507
LG09118	2/4/2016	Lead	0	Copper	100			FLINT	48507
LG09119	2/4/2016	Lead	0	Copper	60			FLINT	48503
LG09121	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09122	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09125	2/4/2016	Lead	0	Copper	50			FLINT	48507
LG09126	2/4/2016	Lead	0	Copper	0		/Y	FLINT	48503
LG09128	2/4/2016	Lead	0	Copper	190		:S	FLINT	48507
LG09133	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09135	2/4/2016	Lead	0	Copper	0		)	FLINT	48507
LG09139	2/4/2016	Lead	0	Copper	0		/E	FLINT	48532
LG09140	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09142	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09146	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09150	2/4/2016	Lead	0	Copper	80			FLINT	48503
LG09155	2/4/2016	Lead	0	Copper	200			FLINT	48503
LG09157	2/4/2016	Lead	0	Copper	240			FLINT	48503
LG09162	2/4/2016	Lead	0	Copper	70		APT 301 E	FLINT	48505
LG09163	2/4/2016	Lead	0	Copper	0			FLINT	48532
LG09164	2/4/2016	Lead	0	Copper	0			FLINT	
LG09165	2/4/2016	Lead	0	Copper	0		:R HWY	FLINT	48504
LG09166	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09169	2/4/2016	Lead	0	Copper	110			FLINT	48504
LG09172	2/4/2016	Lead	0	Copper	70		A	FLINT	48532
LG09175	2/4/2016	Lead	0	Copper	130			FLINT	48504
LG09176	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09177	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09182	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09184	2/4/2016	Lead	0	Copper	70		01	FLINT	48502
LG09186	2/4/2016	Lead	0	Copper	120		:WOOD MANOR)	FLINT	48505
LG09187	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09195	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09196	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09197	2/4/2016	Lead	0	Copper	70			FLINT	48504
LG09200	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09201	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09209	2/4/2016	Lead	0	Copper	50			FLINT	48503
LG09210	2/4/2016	Lead	0	Copper	70			FLINT	48504
LG09212	2/4/2016	Lead	0	Copper	60			FLINT	48505
LG09214	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09215	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09217	2/4/2016	Lead	0	Copper	0		PT #5	FLINT	48507
LG09218	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09222	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09225	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09226	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09228	2/4/2016	Lead	0	Copper	0			FLINT	
LG09229	2/4/2016	Lead	0	Copper	0		E	FLINT	48505
LG09231	2/4/2016	Lead	0	Copper	90			FLINT	48503
LG09234	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09237	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09239	2/4/2016	Lead	0	Copper	0		RT	FLINT	48505
LG09240	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09241	2/4/2016	Lead	0	Copper	170		NE	FLINT	48507
LG09243	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09244	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09246	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09248	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09249	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09250	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09252	2/4/2016	Lead	0	Copper	60			FLINT	48505
LG09253	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09254	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09256	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09257	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09258	2/4/2016	Lead	0	Copper	0		LE	FLINT	
LG09259	2/4/2016	Lead	0	Copper	170			FLINT	48503
LG09261	2/4/2016	Lead	0	Copper	0		APARTMENT 101	FLINT	48505
LG09262	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09263	2/4/2016	Lead	0	Copper	400		E	FLINT	
LG09265	2/4/2016	Lead	0	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09266	2/4/2016	Lead	0	Copper	0			FLINT	
LG09267	2/4/2016	Lead	0	Copper	110			FLINT	48503
LG09268	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09269	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09271	2/4/2016	Lead	0	Copper	100			FLINT	48503
LG09273	2/4/2016	Lead	0	Copper	80		AY BLVD	FLINT	48503
LG09274	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09275	2/4/2016	Lead	0	Copper	0		E	FLINT	48506
LG09276	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09277	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09278	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09279	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09280	2/4/2016	Lead	0	Copper	0		VE	FLINT	48504
LG09281	2/4/2016	Lead	0	Copper	150			FLINT	48503
LG09283	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09285	2/4/2016	Lead	0	Copper	60			FLINT	48503
LG09286	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09293	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09294	2/4/2016	Lead	0	Copper	0			BURTON	48519
LG09297	2/4/2016	Lead	0	Copper	60			FLINT	48503
LG09298	2/4/2016	Lead	0	Copper	120			BURTON	48529
LG09299	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09302	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09304	2/4/2016	Lead	0	Copper	70		RIVER FOREST	FLINT	48532
LG09306	2/4/2016	Lead	0	Copper	180			FLINT	48507
LG09307	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09311	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09312	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09313	2/4/2016	Lead	0	Copper	190			FLINT	48505
LG09316	2/4/2016	Lead	0	Copper	80			FLINT	48506
LG09318	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09319	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09320	2/4/2016	Lead	0	Copper	0			FLINT	
LG09321	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09322	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09324	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09326	2/4/2016	Lead	0	Copper	240			FLINT	48505
LG09327	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09328	2/4/2016	Lead	0	Copper	0				48507
LG09331	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09332	2/4/2016	Lead	0	Copper	60			FLINT	48506
LG09333	2/4/2016	Lead	0	Copper	70			FLINT	48507
LG09335	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09336	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09337	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09339	2/4/2016	Lead	0	Copper	200			FLINT	48506
LG09340	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09342	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09343	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09345	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09346	2/4/2016	Lead	0	Copper	200			FLINT	48506
LG09348	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09349	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09350	2/4/2016	Lead	0	Copper	70			FLINT	48503
LG09353	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09357	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09358	2/4/2016	Lead	0	Copper	110			FLINT	48506
LG09359	2/4/2016	Lead	0	Copper	130			FLINT	48503
LG09362	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09364	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09365	2/4/2016	Lead	0	Copper	230			FLINT	48506
LG09366	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09368	2/4/2016	Lead	0	Copper	60			BURTON	48509
LG09369	2/4/2016	Lead	0	Copper	280			FLINT	48504
LG09370	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09371	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09373	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09374	2/4/2016	Lead	0	Copper	60			FLINT	48506
LG09375	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09376	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09379	2/4/2016	Lead	0	Copper	0			FLINT	
LG09382	2/4/2016	Lead	0	Copper	80			FLINT	48503
LG09383	2/4/2016	Lead	0	Copper	270			FLINT	48507
LG09384	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09385	2/4/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09388	2/4/2016	Lead	0	Copper	0		UE	FLINT	48507
LG09389	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09390	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09395	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09396	2/4/2016	Lead	0	Copper	190			FLINT	48507
LG09398	2/4/2016	Lead	0	Copper	70			FLINT	48506
LG09401	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09402	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09403	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09404	2/4/2016	Lead	0	Copper	0			FLINT	
LG09405	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09408	2/4/2016	Lead	0	Copper	60			FLINT	48506
LG09409	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09410	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09412	2/4/2016	Lead	0	Copper	0		VD	FLINT	48503
LG09413	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09414	2/4/2016	Lead	0	Copper	220			FLINT	48503
LG09417	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09418	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09420	2/4/2016	Lead	0	Copper	70			FLINT	
LG09422	2/4/2016	Lead	0	Copper	90			FLINT	
LG09425	2/4/2016	Lead	0	Copper	0		E	FLINT	48507
LG09431	2/4/2016	Lead	0	Copper	60			FLINT	48505
LG09432	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09446	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09448	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09449	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09451	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09453	2/4/2016	Lead	0	Copper	100			FLINT	48507
LG09454	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09455	2/4/2016	Lead	0	Copper	0			FLINT	48505
LG09456	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09457	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09460	2/4/2016	Lead	0	Copper	0			FLINT	48507
LG09465	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09466	2/4/2016	Lead	0	Copper	0			FLINT	
LG09467	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09473	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09475	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09477	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09478	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09479	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09481	2/4/2016	Lead	0	Copper	0			FLINT	48504
LG09483	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09484	2/4/2016	Lead	0	Copper	70			FLINT	48506
LG09485	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09486	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09488	2/4/2016	Lead	0	Copper	0			FLINT TWP	48532
LG09491	2/4/2016	Lead	0	Copper	0			FLINT	48503
LG09494	2/4/2016	Lead	0	Copper	110			FLINT	48504
LG09496	2/4/2016	Lead	0	Copper	70			FLINT	48506
LG09498	2/4/2016	Lead	0	Copper	0			FLINT	48506
LG09650	2/5/2016	Lead	0	Copper	0			FLINT/BU RTON	48506
LG09651	2/5/2016	Lead	0	Copper	0		D	FLINT	48505
LG09658	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09659	2/5/2016	Lead	0	Copper	80			FLINT	48503
LG09661	2/5/2016	Lead	0	Copper	130			FLINT	48507
LG09663	2/5/2016	Lead	0	Copper	60		T	FLINT	48505
LG09667	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09670	2/5/2016	Lead	0	Copper	100		T	FLINT	48505
LG09671	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09675	2/5/2016	Lead	0	Copper	210			FLINT	48507
LG09676	2/5/2016	Lead	0	Copper	0		D	FLINT	48532
LG09677	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09678	2/5/2016	Lead	0	Copper	140			FLINT	48507
LG09679	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09680	2/5/2016	Lead	0	Copper	90			FLINT	48503
LG09681	2/5/2016	Lead	0	Copper	50			FLINT	48507
LG09685	2/5/2016	Lead	0	Copper	290			FLINT	48532
LG09686	2/5/2016	Lead	0	Copper	80			FLINT	48532
LG09693	2/5/2016	Lead	0	Copper	270			FLINT	48507
LG09694	2/5/2016	Lead	0	Copper	80			FLINT	48503
LG09696	2/5/2016	Lead	0	Copper	170			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09697	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09699	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09700	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09702	2/5/2016	Lead	0	Copper	60			FLINT	48503
LG09706	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09710	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09713	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09716	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09717	2/5/2016	Lead	0	Copper	0		E	FLINT	48503
LG09720	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09722	2/5/2016	Lead	0	Copper	160			FLINT	48505
LG09723	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09725	2/5/2016	Lead	0	Copper	70			FLINT	48503
LG09726	2/5/2016	Lead	0	Copper	0			FLINT	
LG09728	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09730	2/5/2016	Lead	0	Copper	270		E	FLINT	48505
LG09732	2/5/2016	Lead	0	Copper	0			FLINT	
LG09734	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09736	2/5/2016	Lead	0	Copper	60			FLINT	
LG09737	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09741	2/5/2016	Lead	0	Copper	0			FLINT	48532
LG09742	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09743	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09744	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09745	2/5/2016	Lead	0	Copper	70			FLINT	48504
LG09751	2/5/2016	Lead	0	Copper	310			FLINT	48503
LG09754	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09755	2/5/2016	Lead	0	Copper	0			FLINT	
LG09756	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09757	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09758	2/5/2016	Lead	0	Copper	70			FLINT	48506
LG09761	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09762	2/5/2016	Lead	0	Copper	0			FLINT	
LG09764	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09769	2/5/2016	Lead	0	Copper	0		E	FLINT	48507
LG09770	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09771	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09772	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09774	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09775	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09778	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09779	2/5/2016	Lead	0	Copper	70			FLINT	48505
LG09783	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09788	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09789	2/5/2016	Lead	0	Copper	140			FLINT	48506
LG09790	2/5/2016	Lead	0	Copper	60			FLINT	48506
LG09791	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09792	2/5/2016	Lead	0	Copper	0		T	FLINT	48506
LG09793	2/5/2016	Lead	0	Copper	0			FLINT	
LG09795	2/5/2016	Lead	0	Copper	200			FLINT	48503
LG09796	2/5/2016	Lead	0	Copper	0			FLINT	
LG09797	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09798	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09800	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09801	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09802	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09803	2/5/2016	Lead	0	Copper	60			FLINT	48506
LG09804	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09806	2/5/2016	Lead	0	Copper	80			FLINT	48506
LG09807	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09809	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09811	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09812	2/5/2016	Lead	0	Copper	50			FLINT	48503
LG09813	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09815	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09818	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09819	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09824	2/5/2016	Lead	0	Copper	52			FLINT	48506
LG09828	2/5/2016	Lead	0	Copper	130		9	FLINT	48504
LG09832	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09833	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09835	2/5/2016	Lead	0	Copper	0			FLINT	
LG09839	2/5/2016	Lead	0	Copper	0		8	FLINT	48503
LG09841	2/5/2016	Lead	0	Copper	70				
LG09842	2/5/2016	Lead	0	Copper	0			FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09844	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09846	2/5/2016	Lead	0	Copper	80		LEET	FLINT	48504
LG09851	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09852	2/5/2016	Lead	0	Copper	110			FLINT	48504
LG09853	2/5/2016	Lead	0	Copper	60			FLINT	48503
LG09854	2/5/2016	Lead	0	Copper	60			FLINT	48532
LG09856	2/5/2016	Lead	0	Copper	0			FLINT	
LG09858	2/5/2016	Lead	0	Copper	0			FLINT	
LG09861	2/5/2016	Lead	0	Copper	130			FLINT	48504
LG09864	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09865	2/5/2016	Lead	0	Copper	180			FLINT	48503
LG09868	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09870	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09872	2/5/2016	Lead	0	Copper	550			FLINT	48505
LG09880	2/5/2016	Lead	0	Copper	0			FLINT	48532
LG09883	2/5/2016	Lead	0	Copper	70		1	FLINT	48507
LG09885	2/5/2016	Lead	0	Copper	0		BLVD #1217	FLINT	48503
LG09886	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09888	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09890	2/5/2016	Lead	0	Copper	160			FLINT	48505
LG09892	2/5/2016	Lead	0	Copper	100		Y	FLINT	48506
LG09896	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09898	2/5/2016	Lead	0	Copper	140			FLINT	48504
LG09900	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09908	2/5/2016	Lead	0	Copper	0		E	FLINT	48503
LG09910	2/5/2016	Lead	0	Copper	80			FLINT	48503
LG09912	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09916	2/5/2016	Lead	0	Copper	350		3D	FLINT	48502
LG09920	2/5/2016	Lead	0	Copper	0		T	FLINT	48503
LG09924	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09925	2/5/2016	Lead	0	Copper	0		E	FLINT	48507
LG09928	2/5/2016	Lead	0	Copper	120			FLINT	48507
LG09930	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09934	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09935	2/5/2016	Lead	0	Copper	0			FLINT	48532
LG09936	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09938	2/5/2016	Lead	0	Copper	50			FLINT	48505
LG09941	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09942	2/5/2016	Lead	0	Copper	260			FLINT	48505
LG09943	2/5/2016	Lead	0	Copper	0			FLINT	48532
LG09944	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09948	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09951	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09952	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09955	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09956	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09961	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09962	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09964	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09967	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG09969	2/5/2016	Lead	0	Copper	0			FLINT	48502
LG09970	2/5/2016	Lead	0	Copper	0				48507
LG09976	2/5/2016	Lead	0	Copper	140			BURTON	48529
LG09979	2/5/2016	Lead	0	Copper	0		AVE	FLINT	48507
LG09981	2/5/2016	Lead	0	Copper	60			FLINT	48506
LG09982	2/5/2016	Lead	0	Copper	0			FLINT	48507
LG09983	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09988	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09993	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG09994	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG09995	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG09997	2/5/2016	Lead	0	Copper	0			FLINT	48505
LG10001	2/5/2016	Lead	0	Copper	0				
LG10003	2/5/2016	Lead	0	Copper	0			BURTON	48519
LG10005	2/5/2016	Lead	0	Copper	0			FLINT	48506
LG10009	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG10010	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG10012	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG10016	2/5/2016	Lead	0	Copper	0			FLINT	48503
LG10020	2/5/2016	Lead	0	Copper	0			FLINT	48504
LG10022	2/5/2016	Lead	0	Copper	180			FLINT	48503
LG10058	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10061	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10062	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10063	2/6/2016	Lead	0	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG10068	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10069	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG10071	2/6/2016	Lead	0	Copper	60		TE BATTERY OF F	FLINT	48506
LG10074	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10076	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10077	2/6/2016	Lead	0	Copper	70			FLINT	
LG10078	2/6/2016	Lead	0	Copper	130			FLINT	48506
LG10079	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10080	2/6/2016	Lead	0	Copper	90			FLINT	48506
LG10081	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10083	2/6/2016	Lead	0	Copper	60			FLINT	48507
LG10084	2/6/2016	Lead	0	Copper	0		FISHERMANS COVE	FLINT	48507
LG10085	2/6/2016	Lead	0	Copper	70			FLINT	48506
LG10086	2/6/2016	Lead	0	Copper	0		12A	FLINT	48506
LG10090	2/6/2016	Lead	0	Copper	0		SHERMAN'S COVE	FLINT	48507-6230
LG10091	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10095	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10097	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10098	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10100	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10103	2/6/2016	Lead	0	Copper	130		TOWN	FLINT	48503
LG10104	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG10109	2/6/2016	Lead	0	Copper	360			FLINT	48507
LG10110	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG10113	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG10115	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10116	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10117	2/6/2016	Lead	0	Copper	0		AVE	FLINT	
LG10118	2/6/2016	Lead	0	Copper	0			FLINT	
LG10119	2/6/2016	Lead	0	Copper	50			FLINT	48504
LG10122	2/6/2016	Lead	0	Copper	0			FLINT	48532
LG10125	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG10128	2/6/2016	Lead	0	Copper	50			FLINT	48503
LG10129	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG10130	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10133	2/6/2016	Lead	0	Copper	180			FLINT	48505
LG10136	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10139	2/6/2016	Lead	0	Copper	0			FLINT	
LG10140	2/6/2016	Lead	0	Copper	110			FLINT	48504
LG10141	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10143	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10145	2/6/2016	Lead	0	Copper	70			FLINT	48504
LG10148	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10150	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10151	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10152	2/6/2016	Lead	0	Copper	70			FLINT	48505
LG10154	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG10161	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG10165	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10167	2/6/2016	Lead	0	Copper	0			FLINT	
LG10168	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG10170	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10171	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10172	2/6/2016	Lead	0	Copper	0			FLINT	48507
LG10173	2/6/2016	Lead	0	Copper	100		E	FLINT	
LG10174	2/6/2016	Lead	0	Copper	120			FLINT	48505
LG10176	2/6/2016	Lead	0	Copper	90			FLINT	
LG10177	2/6/2016	Lead	0	Copper	70			FLINT	48504
LG10178	2/6/2016	Lead	0	Copper	0				
LG10180	2/6/2016	Lead	0	Copper	0			FLINT	48504
LG10183	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG10184	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10185	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10188	2/6/2016	Lead	0	Copper	0		UE	FLINT	48504
LG10191	2/6/2016	Lead	0	Copper	0			FLINT	48506
LG10199	2/6/2016	Lead	0	Copper	0			FLINT	48532
LG10202	2/6/2016	Lead	0	Copper	0			FLINT	48503
LG10203	2/6/2016	Lead	0	Copper	0			FLINT	48505
LG10204	2/6/2016	Lead	0	Copper	100			FLINT	48532
LG10206	2/6/2016	Lead	0	Copper	120			FLINT	48505
LG10207	2/6/2016	Lead	0	Copper	160			FLINT	48504
LG10208	2/6/2016	Lead	0	Copper	60			FLINT	48506
LG10214	2/6/2016	Lead	0	Copper	80			FLINT	48503
LG10215	2/6/2016	Lead	0	Copper	70			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG10217	2/6/2016	Lead	0	Copper	0		FLINT	48532
LG10218	2/6/2016	Lead	0	Copper	60		FLINT	48507
LG10220	2/6/2016	Lead	0	Copper	220		FLINT	48504
LG10226	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10228	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG10229	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10231	2/6/2016	Lead	0	Copper	120		FLINT	48507
LG10232	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG10233	2/6/2016	Lead	0	Copper	0		FLINT	48506
LG10234	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10242	2/6/2016	Lead	0	Copper	60		FLINT	48506
LG10243	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10245	2/6/2016	Lead	0	Copper	0		FLINT	48502
LG10247	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10248	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10251	2/6/2016	Lead	0	Copper	70		FLINT	48505
LG10252	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG10254	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10255	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10260	2/6/2016	Lead	0	Copper	160		FLINT	48507
LG10262	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG10265	2/6/2016	Lead	0	Copper	140		FLINT	48503
LG10266	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG10271	2/6/2016	Lead	0	Copper	0		FLINT	48507
LG10272	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG10274	2/6/2016	Lead	0	Copper	90		FLINT	48503
LG10275	2/6/2016	Lead	0	Copper	0		FLINT	48503
LG10462	2/7/2016	Lead	0	Copper	0			
LG10464	2/7/2016	Lead	0	Copper	0		FLINT	48504
LG10465	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10466	2/7/2016	Lead	0	Copper	130	13	FLINT	48503
LG10467	2/7/2016	Lead	0	Copper	200		FLINT	48503
LG10469	2/7/2016	Lead	0	Copper	0		BURTON	48529
LG10472	2/7/2016	Lead	0	Copper	0			
LG10474	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10476	2/7/2016	Lead	0	Copper	70		FLINT	48532
LG10477	2/7/2016	Lead	0	Copper	0		FLINT	48504
LG10478	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10479	2/7/2016	Lead	0	Copper	0		FLINT	
LG10481	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10484	2/7/2016	Lead	0	Copper	0		FLINT	48504
LG10485	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10487	2/7/2016	Lead	0	Copper	0	E	FLINT	
LG10493	2/7/2016	Lead	0	Copper	0		FLINT	48507
LG10497	2/7/2016	Lead	0	Copper	0		FLINT	48504
LG10498	2/7/2016	Lead	0	Copper	0	T 3	FLINT	48507
LG10499	2/7/2016	Lead	0	Copper	0		FLINT	48507
LG10501	2/7/2016	Lead	0	Copper	0		FLINT	48504
LG10508	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10509	2/7/2016	Lead	0	Copper	0	T 7	FLINT	48503
LG10510	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10511	2/7/2016	Lead	0	Copper	210		FLINT	48507
LG10513	2/7/2016	Lead	0	Copper	90		FLINT	48507
LG10514	2/7/2016	Lead	0	Copper	50		FLINT	48507
LG10517	2/7/2016	Lead	0	Copper	0		FLINT	48532
LG10518	2/7/2016	Lead	0	Copper	60		FLINT	48504
LG10520	2/7/2016	Lead	0	Copper	0	E	FLINT	
LG10521	2/7/2016	Lead	0	Copper	0		FLINT	48506
LG10522	2/7/2016	Lead	0	Copper	0		FLINT	48504
LG10524	2/7/2016	Lead	0	Copper	0		BURTON	48529
LG10525	2/7/2016	Lead	0	Copper	0		FLINT	48507
LG10528	2/7/2016	Lead	0	Copper	0		FLINT	48504
LG10529	2/7/2016	Lead	0	Copper	0		FLINT	48506
LG10532	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10533	2/7/2016	Lead	0	Copper	0		FLINT	48503
LG10534	2/7/2016	Lead	0	Copper	50			
LG10535	2/7/2016	Lead	0	Copper	0		FLINT	
LG10537	2/7/2016	Lead	0	Copper	0	EET	FLINT	48505
LG10539	2/7/2016	Lead	0	Copper	0		FLINT	
LG10546	2/7/2016	Lead	0	Copper	0		FLINT	48504
LG10549	2/7/2016	Lead	0	Copper	60		FLINT	48503
LG10550	2/7/2016	Lead	0	Copper	0		FLINT	48506
LG10551	2/7/2016	Lead	0	Copper	0		FLINT	48505
LG10553	2/7/2016	Lead	0	Copper	120		FLINT	48503
LG10554	2/7/2016	Lead	0	Copper	90		FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG10555	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG10556	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG10558	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG10559	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG10561	2/7/2016	Lead	0	Copper	140			FLINT	48504
LG10562	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG10566	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG10568	2/7/2016	Lead	0	Copper	370		WKY	FLINT	48507
LG10570	2/7/2016	Lead	0	Copper	90			BURTON	48529
LG10572	2/7/2016	Lead	0	Copper	170			FLINT	48506
LG10573	2/7/2016	Lead	0	Copper	130		/E	FLINT	48506
LG10575	2/7/2016	Lead	0	Copper	60			FLINT	48506
LG10576	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG10577	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG10579	2/7/2016	Lead	0	Copper	0		8	FLINT	48506
LG10581	2/7/2016	Lead	0	Copper	0			FLINT	48506
LG10582	2/7/2016	Lead	0	Copper	0			MT MORRIS	48458
LG10587	2/7/2016	Lead	0	Copper	80			FLINT	48506
LG10588	2/7/2016	Lead	0	Copper	0			FLINT	
LG10589	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG10593	2/7/2016	Lead	0	Copper	100			FLINT	
LG10595	2/7/2016	Lead	0	Copper	0			FLINT	48504
LG10598	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG10600	2/7/2016	Lead	0	Copper	60			FLINT	48506
LG10601	2/7/2016	Lead	0	Copper	0			FLINT	48503
LG10602	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG10603	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG10604	2/7/2016	Lead	0	Copper	0			FLINT	
LG10607	2/7/2016	Lead	0	Copper	0			FLINT	48505
LG10608	2/7/2016	Lead	0	Copper	0			FLINT	48506
LF82709	9/15/2015	Lead	1	Copper	0			FLINT	48503
LF84317	9/23/2015	Lead	1	Copper	0			FLINT	48503
LF84896	9/25/2015	Lead	1	Copper	0			FLINT	48505
LF85605	9/30/2015	Lead	1	Copper	340			FLINT	48503
LF85608	9/30/2015	Lead	1	Copper	0			FLINT	48502
LF85800	10/1/2015	Lead	1	Copper	0			FLINT	48505
LF85934	10/2/2015	Lead	1	Copper	0			FLINT	48503
LF85937	10/2/2015	Lead	1	Copper	70			FLINT	48506
LF85939	10/2/2015	Lead	1	Copper	70			FLINT	48504
LF85942	10/2/2015	Lead	1	Copper	0			FLINT	48507
LF85951	10/2/2015	Lead	1	Copper	50			FLINT	48503
LF85959	10/2/2015	Lead	1	Copper	0			FLINT	48507
LF86487	10/6/2015	Lead	1	Copper	500			FLINT	48503
LF86492	10/6/2015	Lead	1	Copper	0			FLINT	48506
LF86511	10/6/2015	Lead	1	Copper	0			FLINT	48505
LF87013	10/8/2015	Lead	1	Copper	0			FLINT	48506
LF87015	10/8/2015	Lead	1	Copper	60			FLINT	48506
LF87016	10/8/2015	Lead	1	Copper	110			FLINT	48503
LF87028	10/8/2015	Lead	1	Copper	630			FLINT	48503
LF87044	10/8/2015	Lead	1	Copper	0			FLINT	48507
LF87046	10/8/2015	Lead	1	Copper	0			FLINT	48506
LF87053	10/8/2015	Lead	1	Copper	580			FLINT	48506
LF87367	10/13/2015	Lead	1	Copper	0			FLINT	48503
LF87380	10/13/2015	Lead	1	Copper	50			FLINT	48506
LF87382	10/13/2015	Lead	1	Copper	590		20	FLINT	48502
LF87384	10/13/2015	Lead	1	Copper	50			FLINT	48505
LF87411	10/13/2015	Lead	1	Copper	60			FLINT	48505
LF87417	10/13/2015	Lead	1	Copper	120			FLINT	48504
LF87424	10/13/2015	Lead	1	Copper	130			FLINT	48503
LF87427	10/13/2015	Lead	1	Copper	580			FLINT	
LF87433	10/13/2015	Lead	1	Copper	0			FLINT	
LF87930	10/16/2015	Lead	1	Copper	0			FLINT	48507
LF88278	10/20/2015	Lead	1	Copper	630			FLINT	48503
LF88290	10/20/2015	Lead	1	Copper	0			FLINT	48503
LF88291	10/20/2015	Lead	1	Copper	330			FLINT	48503
LF88297	10/20/2015	Lead	1	Copper	460			FLINT	48503
LF88299	10/20/2015	Lead	1	Copper	160			FLINT	48504
LF88304	10/20/2015	Lead	1	Copper	0			FLINT	48503
LF88305	10/20/2015	Lead	1	Copper	0			FLINT	48507
LF88312	10/20/2015	Lead	1	Copper	220			FLINT	48503
LF88315	10/20/2015	Lead	1	Copper	190			FLINT	48503
LF88959	10/26/2015	Lead	1	Copper	190			FLINT	48503
LF88965	10/26/2015	Lead	1	Copper	50			FLINT	48503
LF89521	10/30/2015	Lead	1	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LF91269	11/9/2015	Lead	1	Copper	150			FLINT	48504
LF91282	11/9/2015	Lead	1	Copper	80			FLINT	48505
LF91284	11/9/2015	Lead	1	Copper	0			FLINT	48505
LF92700	11/18/2015	Lead	1	Copper	70			FLINT	48507
LF92701	11/18/2015	Lead	1	Copper	70			FLINT	48507
LF92703	11/18/2015	Lead	1	Copper	0			FLINT	48505
LF92706	11/18/2015	Lead	1	Copper	70			FLINT	48507
LF92711	11/18/2015	Lead	1	Copper	0			FLINT	48532
LF92714	11/18/2015	Lead	1	Copper	70			FLINT	48507
LF93581	11/24/2015	Lead	1	Copper	60			FLINT	•••
LF93582	11/24/2015	Lead	1	Copper	60			FLINT	48506
LF93588	11/24/2015	Lead	1	Copper	100			FLINT	48507
LF94267	12/2/2015	Lead	1	Copper	0			FLINT	
LF94275	12/2/2015	Lead	1	Copper	100			FLINT	48504
LF94278	12/2/2015	Lead	1	Copper	100			FLINT	48507
LF94281	12/2/2015	Lead	1	Copper	120			FLINT	48507
LF94283	12/2/2015	Lead	1	Copper	130			FLINT	48504
LF94298	12/2/2015	Lead	1	Copper	0			FLINT	48505
LF95920	12/10/2015	Lead	1	Copper	90			FLINT	48503
LF95935	12/10/2015	Lead	1	Copper	0			FLINT	48503
LF97318	12/18/2015	Lead	1	Copper	0			FLINT	48503
LF97325	12/18/2015	Lead	1	Copper	830			FLINT	48502
LF97327	12/18/2015	Lead	1	Copper	60			FLINT	
LF97340	12/18/2015	Lead	1	Copper	0			FLINT	
LF97343	12/18/2015	Lead	1	Copper	60			FLINT	48506
LF97952	12/29/2015	Lead	1	Copper	150		SE	FLINT	
LF97962	12/29/2015	Lead	1	Copper	220		SE	FLINT	48503
LF97965	12/29/2015	Lead	1	Copper	80			FLINT	48507
LF99158	1/7/2016	Lead	1	Copper	0			FLINT	
LF99160	1/7/2016	Lead	1	Copper	180			FLINT	48503
LF99164	1/7/2016	Lead	1	Copper	0			FLINT	
LF99165	1/7/2016	Lead	1	Copper	50			FLINT	
LF99201	1/7/2016	Lead	1	Copper	100		SE	FLINT	
LF99927	1/15/2016	Lead	1	Copper	70			FLINT	48504
LF99936	1/15/2016	Lead	1	Copper	0				
LF99938	1/15/2016	Lead	1	Copper	60			FLINT	48504
LF99947	1/15/2016	Lead	1	Copper	70			FLINT	48503
LF99957	1/15/2016	Lead	1	Copper	0				48503
LF99985	1/15/2016	Lead	1	Copper	130			FLINT	48507
LF99988	1/15/2016	Lead	1	Copper	60				
LF99994	1/15/2016	Lead	1	Copper	120			FLINT	48502
LG00489	1/19/2016	Lead	1	Copper	0			FLINT	48504
LG00508	1/19/2016	Lead	1	Copper	0			FLINT	48506
LG00512	1/19/2016	Lead	1	Copper	280			FLINT	48503
LG00523	1/19/2016	Lead	1	Copper	100			FLINT	48507
LG00529	1/19/2016	Lead	1	Copper	200			FLINT	48507
LG00530	1/19/2016	Lead	1	Copper	110			FLINT	48505
LG00534	1/19/2016	Lead	1	Copper	100			FLINT	48507
LG00538	1/19/2016	Lead	1	Copper	0			FLINT	48506
LG00541	1/19/2016	Lead	1	Copper	0			FLINT	48507
LG00551	1/19/2016	Lead	1	Copper	0			FLINT	
LG00552	1/19/2016	Lead	1	Copper	50			FLINT	48503
LG00570	1/19/2016	Lead	1	Copper	0				48506
LG00575	1/19/2016	Lead	1	Copper	0			FLINT	48503
LG00577	1/19/2016	Lead	1	Copper	0			FLINT	48503
LG00578	1/19/2016	Lead	1	Copper	0				48506
LG00587	1/19/2016	Lead	1	Copper	110			FLINT	
LG00588	1/19/2016	Lead	1	Copper	0				48503
LG00594	1/19/2016	Lead	1	Copper	80			FLINT	48505
LG00599	1/19/2016	Lead	1	Copper	0			FLINT	48503
LG00601	1/19/2016	Lead	1	Copper	0			FLINT	48503
LG00602	1/19/2016	Lead	1	Copper	60			FLINT	48503
LG00604	1/19/2016	Lead	1	Copper	60			FLINT	48504
LG00614	1/19/2016	Lead	1	Copper	0			FLINT	48504
LG00832	1/20/2016	Lead	1	Copper	0			FLINT	48506
LG00848	1/20/2016	Lead	1	Copper	0			FLINT	48506
LG00850	1/20/2016	Lead	1	Copper	0		/E	FLINT	48506
LG00864	1/20/2016	Lead	1	Copper	110		IE	FLINT	48507
LG00878	1/20/2016	Lead	1	Copper	0				
LG00887	1/20/2016	Lead	1	Copper	0			FLINT	48506
LG00911	1/20/2016	Lead	1	Copper	60			FLINT	48503
LG00920	1/20/2016	Lead	1	Copper	60			FLINT	48507
LG00962	1/20/2016	Lead	1	Copper	120			FLINT	48532
LG00968	1/20/2016	Lead	1	Copper	50		L CNT BOOKSTORE	FLINT	
LG00981	1/20/2016	Lead	1	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG00982	1/20/2016	Lead	1	Copper	110		VAY BLVD	FLINT	48406
LG01002	1/20/2016	Lead	1	Copper	60			FLINT	48506
LG01182	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG01192	1/21/2016	Lead	1	Copper	80			FLINT	48507
LG01193	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG01208	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG01215	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG01233	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG01240	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG01243	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG01244	1/21/2016	Lead	1	Copper	90			FLINT	
LG01246	1/21/2016	Lead	1	Copper	70			FLINT	48504
LG01248	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG01258	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01282	1/21/2016	Lead	1	Copper	220		K DR	FLINT	48503
LG01300	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01303	1/21/2016	Lead	1	Copper	70			FLINT	48503
LG01307	1/21/2016	Lead	1	Copper	0			FLINT	48532
LG01329	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG01361	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01372	1/21/2016	Lead	1	Copper	0			FLINT	48532
LG01374	1/21/2016	Lead	1	Copper	190			FLINT	
LG01375	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG01408	1/21/2016	Lead	1	Copper	0			FLINT	48529
LG01411	1/21/2016	Lead	1	Copper	0		E	FLINT	48507
LG01432	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG01456	1/21/2016	Lead	1	Copper	90			FLINT	48507
LG01496	1/21/2016	Lead	1	Copper	160			FLINT	48505
LG01501	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01523	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG01526	1/21/2016	Lead	1	Copper	0			FLINT	48532
LG01529	1/21/2016	Lead	1	Copper	60			FLINT	48507
LG01530	1/21/2016	Lead	1	Copper	70			FLINT	48503
LG01562	1/21/2016	Lead	1	Copper	160			FLINT	48503
LG01563	1/21/2016	Lead	1	Copper	50			FLINT	48503
LG01594	1/21/2016	Lead	1	Copper	340			FLINT	48503
LG01597	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG01606	1/21/2016	Lead	1	Copper	0		)B	FLINT	48502
LG01609	1/21/2016	Lead	1	Copper	0			FLINT	
LG01622	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01633	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01642	1/21/2016	Lead	1	Copper	150			FLINT	
LG01645	1/21/2016	Lead	1	Copper	80			FLINT	48504
LG01649	1/21/2016	Lead	1	Copper	90			FLINT	48506
LG01671	1/21/2016	Lead	1	Copper	60			FLINT	48503
LG01678	1/21/2016	Lead	1	Copper	50			FLINT	48503
LG01685	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01693	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG01694	1/21/2016	Lead	1	Copper	120			FLINT	48506
LG01711	1/21/2016	Lead	1	Copper	380			FLINT	48503
LG01712	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG01750	1/21/2016	Lead	1	Copper	80			FLINT	48503
LG01767	1/21/2016	Lead	1	Copper	160			FLINT	48507
LG01769	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01774	1/21/2016	Lead	1	Copper	180			FLINT	48504
LG01792	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01800	1/21/2016	Lead	1	Copper	0			FLINT	48506
LG01814	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG01820	1/21/2016	Lead	1	Copper	140			FLINT	48506
LG01830	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01840	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01855	1/21/2016	Lead	1	Copper	80			FLINT	48505
LG01860	1/21/2016	Lead	1	Copper	180				
LG01865	1/21/2016	Lead	1	Copper	0			FLINT	48506
LG01873	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG01881	1/21/2016	Lead	1	Copper	0			FLINT	48505
LG01885	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG01888	1/21/2016	Lead	1	Copper	110			FLINT	48506
LG01898	1/21/2016	Lead	1	Copper	70			FLINT	
LG01915	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG01916	1/21/2016	Lead	1	Copper	60			FLINT	48507
LG01923	1/21/2016	Lead	1	Copper	80			FLINT	
LG01950	1/21/2016	Lead	1	Copper	80			FLINT	48503
LG01976	1/21/2016	Lead	1	Copper	190		NAY	FLINT	48503
LG02004	1/21/2016	Lead	1	Copper	80			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG02008	1/21/2016	Lead	1	Copper	240			FLINT	48506
LG02010	1/21/2016	Lead	1	Copper	80		NUE	FLINT	48507
LG02034	1/21/2016	Lead	1	Copper	0				
LG02044	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG02054	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG02075	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG02076	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG02077	1/21/2016	Lead	1	Copper	0			FLINT	48501
LG02098	1/21/2016	Lead	1	Copper	80				
LG02107	1/21/2016	Lead	1	Copper	70			FLINT	48506
LG02111	1/21/2016	Lead	1	Copper	0			FLINT	48504
LG02138	1/21/2016	Lead	1	Copper	130			FLINT	48507
LG02144	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG02149	1/21/2016	Lead	1	Copper	0			FLINT	48506
LG02168	1/21/2016	Lead	1	Copper	0			FLINT	48507
LG02171	1/21/2016	Lead	1	Copper	100			FLINT	48507
LG02187	1/21/2016	Lead	1	Copper	80			FLINT	48507
LG02198	1/21/2016	Lead	1	Copper	80			FLINT	48504
LG02207	1/21/2016	Lead	1	Copper	0			FLINT	48503
LG02211	1/21/2016	Lead	1	Copper	200			BURTON	48529
LG02308	1/22/2016	Lead	1	Copper	50			FLINT	48503
LG02340	1/22/2016	Lead	1	Copper	100			FLINT	48507
LG02349	1/22/2016	Lead	1	Copper	70			FLINT	48505
LG02352	1/22/2016	Lead	1	Copper	100			FLINT	48502
LG02417	1/22/2016	Lead	1	Copper	190			FLINT	48503
LG02421	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG02426	1/22/2016	Lead	1	Copper	0			FLINT	48503
LG02430	1/22/2016	Lead	1	Copper	100			FLINT	48504
LG02432	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG02436	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG02438	1/22/2016	Lead	1	Copper	0			FLINT	48507
LG02442	1/22/2016	Lead	1	Copper	80		703	FLINT	48503
LG02446	1/22/2016	Lead	1	Copper	0			FLINT	48507
LG02453	1/22/2016	Lead	1	Copper	0			FLINT	48503
LG02493	1/22/2016	Lead	1	Copper	60			FLINT	48506
LG02494	1/22/2016	Lead	1	Copper	70			FLINT	48505
LG02502	1/22/2016	Lead	1	Copper	0			FLINT	
LG02506	1/22/2016	Lead	1	Copper	0			FLINT	48505
LG02518	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG02543	1/22/2016	Lead	1	Copper	140			FLINT	48506
LG02544	1/22/2016	Lead	1	Copper	130			FLINT	48506
LG02556	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG02569	1/22/2016	Lead	1	Copper	0			FLINT	48504
LG02575	1/22/2016	Lead	1	Copper	110		VD	FLINT	48505
LG02576	1/22/2016	Lead	1	Copper	0			FLINT	48506
LG02588	1/22/2016	Lead	1	Copper	0			FLINT	48505
LG02642	1/22/2016	Lead	1	Copper	70			FLINT	45804
LG02675	1/23/2016	Lead	1	Copper	60			FLINT	48504
LG02687	1/23/2016	Lead	1	Copper	100			FLINT	48504
LG02724	1/23/2016	Lead	1	Copper	0			FLINT	48504
LG02804	1/23/2016	Lead	1	Copper	0			FLINT	48506
LG02830	1/23/2016	Lead	1	Copper	0		ET	FLINT	48503
LG02854	1/23/2016	Lead	1	Copper	180			FLINT	48504
LG02874	1/23/2016	Lead	1	Copper	0			FLINT	48507
LG02894	1/23/2016	Lead	1	Copper	120			FLINT	48507
LG02914	1/23/2016	Lead	1	Copper	0			FLINT	48507
LG02919	1/23/2016	Lead	1	Copper	0			FLINT	48503
LG02924	1/23/2016	Lead	1	Copper	0			FLINT	48504
LG02925	1/23/2016	Lead	1	Copper	0			FLINT	48503
LG02934	1/23/2016	Lead	1	Copper	190			FLINT	48503
LG02936	1/23/2016	Lead	1	Copper	0			FLINT	48504
LG02951	1/23/2016	Lead	1	Copper	0			FLINT	48506
LG02953	1/23/2016	Lead	1	Copper	0			FLINT	48504
LG02964	1/23/2016	Lead	1	Copper	0			FLINT	48506
LG02967	1/23/2016	Lead	1	Copper	0			FLINT	48506
LG03005	1/24/2016	Lead	1	Copper	60			FLINT	48505
LG03014	1/24/2016	Lead	1	Copper	0			FLINT	
LG03015	1/24/2016	Lead	1	Copper	0			FLINT	
LG03020	1/24/2016	Lead	1	Copper	50			FLINT	48504
LG03038	1/24/2016	Lead	1	Copper	0			FLINT	48504
LG03076	1/24/2016	Lead	1	Copper	90	G		FLINT	48506
LG03079	1/24/2016	Lead	1	Copper	70			FLINT	48507
LG03092	1/24/2016	Lead	1	Copper	50			FLINT	48503
LG03115	1/24/2016	Lead	1	Copper	50			FLINT	48507
LG03121	1/24/2016	Lead	1	Copper	80			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG03129	1/24/2016	Lead	1	Copper	100			FLINT	48505
LG03150	1/24/2016	Lead	1	Copper	0			FLINT	48506
LG03154	1/24/2016	Lead	1	Copper	0		DRIVE	FLINT	48503
LG03158	1/24/2016	Lead	1	Copper	90			FLINT	48507
LG03161	1/24/2016	Lead	1	Copper	0			FLINT	48506
LG03447	1/25/2016	Lead	1	Copper	0			FLINT	48506
LG03452	1/25/2016	Lead	1	Copper	0			FLINT	48506
LG03469	1/25/2016	Lead	1	Copper	0			FLINT	48507
LG03488	1/25/2016	Lead	1	Copper	70		HOUSE	FLINT	
LG03492	1/25/2016	Lead	1	Copper	100			FLINT	48503
LG03499	1/25/2016	Lead	1	Copper	100			FLINT	48507
LG03534	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG03558	1/25/2016	Lead	1	Copper	0			FLINT	48504
LG03569	1/25/2016	Lead	1	Copper	0			FLINT	48504
LG03574	1/25/2016	Lead	1	Copper	70			FLINT	48504
LG03586	1/25/2016	Lead	1	Copper	0			FLINT	
LG03599	1/25/2016	Lead	1	Copper	70			FLINT	
LG03616	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG03621	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG03661	1/25/2016	Lead	1	Copper	0			FLINT	
LG03676	1/25/2016	Lead	1	Copper	0			FLINT	48506
LG03680	1/25/2016	Lead	1	Copper	0		INT MI	FLINT	48507
LG03690	1/25/2016	Lead	1	Copper	110			FLINT	48507
LG03741	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG03742	1/25/2016	Lead	1	Copper	60			FLINT	48503
LG03759	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG03763	1/25/2016	Lead	1	Copper	0			FLINT	48503
LG03772	1/25/2016	Lead	1	Copper	340			FLINT	48505
LG03775	1/25/2016	Lead	1	Copper	0			FLINT	48506
LG03784	1/25/2016	Lead	1	Copper	0			FLINT	48504
LG03790	1/25/2016	Lead	1	Copper	70			FLINT	48505
LG03804	1/25/2016	Lead	1	Copper	70			FLINT	48504
LG03820	1/25/2016	Lead	1	Copper	70			FLINT	48503
LG04024	1/26/2016	Lead	1	Copper	0			FLINT	48507
LG04025	1/26/2016	Lead	1	Copper	0			FLINT	48505
LG04027	1/26/2016	Lead	1	Copper	60		/D	FLINT	48506
LG04028	1/26/2016	Lead	1	Copper	50			FLINT	48503
LG04039	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04070	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04076	1/26/2016	Lead	1	Copper	60			FLINT	48504
LG04086	1/26/2016	Lead	1	Copper	70			FLINT	48503
LG04093	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04096	1/26/2016	Lead	1	Copper	0			FLINT	48506
LG04098	1/26/2016	Lead	1	Copper	70			FLINT	48504
LG04099	1/26/2016	Lead	1	Copper	180			FLINT	48504
LG04112	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04125	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04126	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04136	1/26/2016	Lead	1	Copper	0			FLINT	48504
LG04140	1/26/2016	Lead	1	Copper	70			FLINT	48506
LG04147	1/26/2016	Lead	1	Copper	0			FLINT	48504
LG04151	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04175	1/26/2016	Lead	1	Copper	60			FLINT	
LG04177	1/26/2016	Lead	1	Copper	50			FLINT	48507
LG04222	1/26/2016	Lead	1	Copper	160		AVE	FLINT	48503
LG04240	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04264	1/26/2016	Lead	1	Copper	60			FLINT	48507
LG04278	1/26/2016	Lead	1	Copper	0			FLINT	48504
LG04285	1/26/2016	Lead	1	Copper	80			FLINT	
LG04302	1/26/2016	Lead	1	Copper	0		VD	FLINT	48505
LG04304	1/26/2016	Lead	1	Copper	0			FLINT	
LG04315	1/26/2016	Lead	1	Copper	110			FLINT	48503
LG04318	1/26/2016	Lead	1	Copper	60			FLINT	48503
LG04327	1/26/2016	Lead	1	Copper	50			FLINT	48506
LG04339	1/26/2016	Lead	1	Copper	0			FLINT	48505
LG04388	1/26/2016	Lead	1	Copper	80			FLINT	48503
LG04392	1/26/2016	Lead	1	Copper	0			FLINT	48503
LG04397	1/26/2016	Lead	1	Copper	50			FLINT	48505
LG04463	1/26/2016	Lead	1	Copper	0			FLINT	48505
LG04465	1/26/2016	Lead	1	Copper	240			FLINT	48507
LG04473	1/26/2016	Lead	1	Copper	0			FLINT	48507
LG04475	1/26/2016	Lead	1	Copper	0			FLINT	48507
LG04481	1/26/2016	Lead	1	Copper	60			FLINT	48506
LG04484	1/26/2016	Lead	1	Copper	110				
LG04487	1/26/2016	Lead	1	Copper	70			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG04494	1/26/2016	Lead	1	Copper	0		FLINT	48505
LG04497	1/26/2016	Lead	1	Copper	0		FLINT	48503
LG04502	1/26/2016	Lead	1	Copper	0		FLINT	48505
LG04504	1/26/2016	Lead	1	Copper	0		FLINT	
LG04523	1/26/2016	Lead	1	Copper	0		FLINT	48505
LG04537	1/26/2016	Lead	1	Copper	0		FLINT	48507
LG04540	1/26/2016	Lead	1	Copper	130			48507
LG04547	1/26/2016	Lead	1	Copper	0		FLINT	48503
LG04568	1/26/2016	Lead	1	Copper	0	T	FLINT	48506
LG04569	1/26/2016	Lead	1	Copper	50		FLINT	48503
LG04581	1/26/2016	Lead	1	Copper	290		FLINT	48506
LG04597	1/26/2016	Lead	1	Copper	0		FLINT	48504
LG04604	1/26/2016	Lead	1	Copper	60		FLINT	48505
LG04605	1/26/2016	Lead	1	Copper	130		FLINT	48507
LG04607	1/26/2016	Lead	1	Copper	90		FLINT	48504
LG04763	1/27/2016	Lead	1	Copper	90		FLINT	48507
LG04811	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG04824	1/27/2016	Lead	1	Copper	0		FLINT	48503
LG04840	1/27/2016	Lead	1	Copper	110	AVE	FLINT	48503
LG04852	1/27/2016	Lead	1	Copper	80		FLINT	48503
LG04864	1/27/2016	Lead	1	Copper	50		FLINT	48503
LG04865	1/27/2016	Lead	1	Copper	80		FLINT	48503
LG04879	1/27/2016	Lead	1	Copper	0			
LG04890	1/27/2016	Lead	1	Copper	130		FLINT	48504
LG04895	1/27/2016	Lead	1	Copper	80	OFC	FLINT	48507
LG04928	1/27/2016	Lead	1	Copper	50		FLINT	48503
LG04935	1/27/2016	Lead	1	Copper	0	OFC 250	FLINT	48507
LG04937	1/27/2016	Lead	1	Copper	110	OFC 240	FLINT	48507
LG04965	1/27/2016	Lead	1	Copper	120		FLINT	48507
LG04987	1/27/2016	Lead	1	Copper	60	OFC	FLINT	48507
LG05002	1/27/2016	Lead	1	Copper	0	OFC	FLINT	48507
LG05033	1/27/2016	Lead	1	Copper	0		FLINT	48505
LG05036	1/27/2016	Lead	1	Copper	90		FLINT	48504
LG05042	1/27/2016	Lead	1	Copper	0		FLINT	
LG05058	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG05068	1/27/2016	Lead	1	Copper	0		FLINT	48503
LG05078	1/27/2016	Lead	1	Copper	0		FLINT	48506
LG05079	1/27/2016	Lead	1	Copper	770		FLINT	48503
LG05084	1/27/2016	Lead	1	Copper	0		FLINT	48505
LG05108	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG05117	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG05118	1/27/2016	Lead	1	Copper	110	VAY	FLINT	48503
LG05121	1/27/2016	Lead	1	Copper	110		FLINT	48507
LG05123	1/27/2016	Lead	1	Copper	0		FLINT	48503
LG05130	1/27/2016	Lead	1	Copper	110	OFC #228	FLINT	48507
LG05142	1/27/2016	Lead	1	Copper	0		FLINT	48507
LG05144	1/27/2016	Lead	1	Copper	80		FLINT	48504
LG05153	1/27/2016	Lead	1	Copper	0		FLINT	48505
LG05154	1/27/2016	Lead	1	Copper	0	#7	FLINT	48507
LG05159	1/27/2016	Lead	1	Copper	0		FLINT	48506
LG05161	1/27/2016	Lead	1	Copper	0		FLINT	48506
LG05187	1/27/2016	Lead	1	Copper	50		FLINT	48503
LG05191	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG05193	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG05200	1/27/2016	Lead	1	Copper	80		FLINT	48505
LG05205	1/27/2016	Lead	1	Copper	0		FLINT	48503
LG05206	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG05231	1/27/2016	Lead	1	Copper	100		FLINT	48503
LG05239	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG05240	1/27/2016	Lead	1	Copper	0		FLINT	48503
LG05246	1/27/2016	Lead	1	Copper	0		FLINT	48504
LG05247	1/27/2016	Lead	1	Copper	0		FLINT	48507
LG05256	1/27/2016	Lead	1	Copper	0		FLINT	48503
LG05258	1/27/2016	Lead	1	Copper	120		FLINT	48505
LG05259	1/27/2016	Lead	1	Copper	100		FLINT	48504
LG05286	1/27/2016	Lead	1	Copper	0		FLINT	48507
LG05291	1/27/2016	Lead	1	Copper	0		BURTON MICH	48509
LG05298	1/27/2016	Lead	1	Copper	0		FLINT	48507
LG05466	1/28/2016	Lead	1	Copper	50		FLINT	48506
LG05494	1/28/2016	Lead	1	Copper	[redacted]		FLINT	48504
LG05504	1/28/2016	Lead	1	Copper	0		FLINT	48504
LG05541	1/28/2016	Lead	1	Copper	70		FLINT	48507
LG05543	1/28/2016	Lead	1	Copper	80		FLINT	48507
LG05547	1/28/2016	Lead	1	Copper	80		FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible]et #	[illegible] Street Name	City	Zip Code
LG05563	1/28/2016	Lead	1	Copper	0			FLINT	48503
LG05570	1/28/2016	Lead	1	Copper	50			FLINT	48507
LG05572	1/28/2016	Lead	1	Copper	80			FLINT	48507
LG05582	1/28/2016	Lead	1	Copper	0			FLINT	48507
LG05583	1/28/2016	Lead	1	Copper	0			FLINT	48507
LG05588	1/28/2016	Lead	1	Copper	110				
LG05603	1/28/2016	Lead	1	Copper	70			FLINT	48532
LG05607	1/28/2016	Lead	1	Copper	0			FLINT	48503
LG05678	1/28/2016	Lead	1	Copper	0			FLINT	48506
LG05693	1/28/2016	Lead	1	Copper	0			FLINT	48507
LG05697	1/28/2016	Lead	1	Copper	0			FLINT	48505
LG05703	1/28/2016	Lead	1	Copper	0			FLINT	48506
LG05705	1/28/2016	Lead	1	Copper	0			FLINT	48503
LG05707	1/28/2016	Lead	1	Copper	0		/E	FLINT	48504
LG05723	1/28/2016	Lead	1	Copper	300			FLINT	48503
LG05737	1/28/2016	Lead	1	Copper	50			FLINT	48507
LG05761	1/28/2016	Lead	1	Copper	80			FLINT	48507
LG05768	1/28/2016	Lead	1	Copper	160		T	FLINT	48505
LG05891	1/29/2016	Lead	1	Copper	70			FLINT	48503
LG05907	1/29/2016	Lead	1	Copper	0			FLINT	
LG05910	1/29/2016	Lead	1	Copper	50			FLINT	48507
LG05925	1/29/2016	Lead	1	Copper	0			FLINT	48505
LG05929	1/29/2016	Lead	1	Copper	0			FLINT	48503
LG05932	1/29/2016	Lead	1	Copper	0			FLINT	48503
LG05940	1/29/2016	Lead	1	Copper	80			FLINT	48505
LG05947	1/29/2016	Lead	1	Copper	140			FLINT	48505
LG05950	1/29/2016	Lead	1	Copper	0			FLINT	48532
LG05965	1/29/2016	Lead	1	Copper	0			FLINT	48503
LG05966	1/29/2016	Lead	1	Copper	0			FLINT	48505
LG05984	1/29/2016	Lead	1	Copper	180			FLINT	48503
LG06007	1/29/2016	Lead	1	Copper	0			FLINT	
LG06012	1/29/2016	Lead	1	Copper	210			FLINT	48505
LG06013	1/29/2016	Lead	1	Copper	0			FLINT	48505
LG06017	1/29/2016	Lead	1	Copper	80	[illegible]		FLINT	48505
LG06023	1/29/2016	Lead	1	Copper	60			FLINT	48503
LG06024	1/29/2016	Lead	1	Copper	90			FLINT	48507
LG06040	1/29/2016	Lead	1	Copper	0			FLINT	48504
LG06042	1/29/2016	Lead	1	Copper	50			FLINT	48507
LG06062	1/29/2016	Lead	1	Copper	0			FLINT	48507
LG06064	1/29/2016	Lead	1	Copper	0			FLINT	48505
LG06080	1/29/2016	Lead	1	Copper	0			FLINT	48503
LG06081	1/29/2016	Lead	1	Copper	0			FLINT	48504
LG06093	1/29/2016	Lead	1	Copper	60			FLINT	48503
LG06109	1/29/2016	Lead	1	Copper	0			FLINT	
LG06118	1/29/2016	Lead	1	Copper	0			FLINT	48506
LG06142	1/29/2016	Lead	1	Copper	90			FLINT	48506
LG06161	1/29/2016	Lead	1	Copper	50			FLINT	48507
LG06199	1/29/2016	Lead	1	Copper	0			FLINT	48504
LG06205	1/29/2016	Lead	1	Copper	0			FLINT	48503
LG06214	1/29/2016	Lead	1	Copper	60			FLINT	48507
LG06215	1/29/2016	Lead	1	Copper	90			FLINT	48507
LG06216	1/29/2016	Lead	1	Copper	90			FLINT	48532
LG06223	1/29/2016	Lead	1	Copper	0			BURTON	48529
LG06267	1/30/2016	Lead	1	Copper	0			FLINT	48504-1644
LG06273	1/30/2016	Lead	1	Copper	110			FLINT	48505
LG06294	1/30/2016	Lead	1	Copper	0			FLINT	48507
LG06298	1/30/2016	Lead	1	Copper	0			FLINT	48505
LG06303	1/30/2016	Lead	1	Copper	110			FLINT	48503
LG06304	1/30/2016	Lead	1	Copper	0			FLINT	48504
LG06332	1/30/2016	Lead	1	Copper	230			FLINT	48507
LG06338	1/30/2016	Lead	1	Copper	210			FLINT	48507
LG06347	1/30/2016	Lead	1	Copper	0			FLINT	48507
LG06349	1/30/2016	Lead	1	Copper	90			FLINT	48507
LG06369	1/30/2016	Lead	1	Copper	80			FLINT	48504
LG06372	1/30/2016	Lead	1	Copper	0			FLINT	48504
LG06373	1/30/2016	Lead	1	Copper	0			FLINT	48503
LG06375	1/30/2016	Lead	1	Copper	90			FLINT	48506
LG06381	1/30/2016	Lead	1	Copper	70			FLINT	48503
LG06410	1/30/2016	Lead	1	Copper	60			FLINT	48503
LG06422	1/30/2016	Lead	1	Copper	0			FLINT	48507
LG06424	1/30/2016	Lead	1	Copper	0			FLINT	48504
LG06441	1/30/2016	Lead	1	Copper	50			FLINT	48505
LG06453	1/30/2016	Lead	1	Copper	60			FLINT	48503
LG06461	1/30/2016	Lead	1	Copper	160			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted] Street Name	City	Zip Code
LG06479	1/31/2016	Lead	1	Copper	80		FLINT	48504
LG06487	1/31/2016	Lead	1	Copper	0		FLINT	48505
LG06493	1/31/2016	Lead	1	Copper	0		FLINT	48504
LG06506	1/31/2016	Lead	1	Copper	60		FLINT	48505
LG06511	1/31/2016	Lead	1	Copper	80		FLINT	48506
LG06528	1/31/2016	Lead	1	Copper	50		FLINT	48504
LG06540	1/31/2016	Lead	1	Copper	0		FLINT	48504
LG06555	1/31/2016	Lead	1	Copper	250	E	FLINT	48502
LG06560	1/31/2016	Lead	1	Copper	0		FLINT	48506
LG06575	1/31/2016	Lead	1	Copper	0		FLINT	
LG06580	1/31/2016	Lead	1	Copper	0		FLINT	48505
LG06610	1/31/2016	Lead	1	Copper	0		FLINT	48506
LG06631	1/31/2016	Lead	1	Copper	0		FLINT	48507
LG06635	1/31/2016	Lead	1	Copper	320		FLINT	48503
LG06654	1/31/2016	Lead	1	Copper	0		FLINT	48503
LG06656	1/31/2016	Lead	1	Copper	0		FLINT	48507
LG06657	1/31/2016	Lead	1	Copper	0		FLINT	48507
LG06663	1/31/2016	Lead	1	Copper	140		FLINT	48507
LG06745	2/1/2016	Lead	1	Copper	140		FLINT	48503
LG06757	2/1/2016	Lead	1	Copper	60		FLINT	48506
LG06758	2/1/2016	Lead	1	Copper	170		FLINT	48506
LG06763	2/1/2016	Lead	1	Copper	130		FLINT	48504
LG06797	2/1/2016	Lead	1	Copper	240		FLINT	48507
LG06802	2/1/2016	Lead	1	Copper	130		FLINT	48507
LG06803	2/1/2016	Lead	1	Copper	110		FLINT	48507
LG06809	2/1/2016	Lead	1	Copper	70		FLINT	48504
LG06810	2/1/2016	Lead	1	Copper	230		FLINT	48507
LG06812	2/1/2016	Lead	1	Copper	0		FLINT	48507
LG06844	2/1/2016	Lead	1	Copper	0		FLINT	48503
LG06852	2/1/2016	Lead	1	Copper	70		FLINT	48507
LG06855	2/1/2016	Lead	1	Copper	140		FLINT	48503
LG06888	2/1/2016	Lead	1	Copper	70	DRIVE	FLINT	48503
LG06890	2/1/2016	Lead	1	Copper	100		FLINT	48507
LG06934	2/1/2016	Lead	1	Copper	310		FLINT	
LG06936	2/1/2016	Lead	1	Copper	70		FLINT	
LG06938	2/1/2016	Lead	1	Copper	180		FLINT	48504
LG06941	2/1/2016	Lead	1	Copper	0		FLINT	48507
LG06953	2/1/2016	Lead	1	Copper	0		FLINT	48507
LG06956	2/1/2016	Lead	1	Copper	60			48503
LG06959	2/1/2016	Lead	1	Copper	120		FLINT	48506
LG06986	2/1/2016	Lead	1	Copper	60		FLINT	
LG06995	2/1/2016	Lead	1	Copper	60	E	FLINT	48503
LG06998	2/1/2016	Lead	1	Copper	0		FLINT	48506
LG06999	2/1/2016	Lead	1	Copper	0		FLINT	48504
LG07013	2/1/2016	Lead	1	Copper	100		FLINT	48506
LG07021	2/1/2016	Lead	1	Copper	0		FLINT	48505
LG07023	2/1/2016	Lead	1	Copper	0		FLINT	48503
LG07035	2/1/2016	Lead	1	Copper	160		FLINT	48505
LG07057	2/1/2016	Lead	1	Copper	0		FLINT	48507
LG07086	2/1/2016	Lead	1	Copper	0		FLINT	48503
LG07090	2/1/2016	Lead	1	Copper	140		FLINT	48504
LG07401	2/2/2016	Lead	1	Copper	0		FLINT	48503
LG07412	2/2/2016	Lead	1	Copper	50		FLINT	48503
LG07423	2/2/2016	Lead	1	Copper	0		FLINT	48503
LG07432	2/2/2016	Lead	1	Copper	90		FLINT	48503
LG07440	2/2/2016	Lead	1	Copper	0		FLINT	48504
LG07445	2/2/2016	Lead	1	Copper	60		FLINT	48503
LG07500	2/2/2016	Lead	1	Copper	0		FLINT	48503
LG07529	2/2/2016	Lead	1	Copper	0		FLINT	48505
LG07540	2/2/2016	Lead	1	Copper	90		FLINT	48504
LG07545	2/2/2016	Lead	1	Copper	90		FLINT	48532
LG07565	2/2/2016	Lead	1	Copper	0		FLINT	48505
LG07574	2/2/2016	Lead	1	Copper	0		FLINT	48507
LG07587	2/2/2016	Lead	1	Copper	0		FLINT	48506
LG07594	2/2/2016	Lead	1	Copper	0		FLINT	48503
LG07608	2/2/2016	Lead	1	Copper	100		FLINT	48504
LG07616	2/2/2016	Lead	1	Copper	50		FLINT	
LG07624	2/2/2016	Lead	1	Copper	0		FLINT	
LG07642	2/2/2016	Lead	1	Copper	0		FLINT	48507
LG07655	2/2/2016	Lead	1	Copper	260		FLINT	48503
LG07663	2/2/2016	Lead	1	Copper	110		FLINT	48503
LG07673	2/2/2016	Lead	1	Copper	0		FLINT	48505
LG07674	2/2/2016	Lead	1	Copper	0		FLINT	48504
LG07681	2/2/2016	Lead	1	Copper	60		FLINT	48505
LG07682	2/2/2016	Lead	1	Copper	340		FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG07702	2/2/2016	Lead	1	Copper	110			FLINT	48505
LG07727	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG07752	2/2/2016	Lead	1	Copper	0			FLINT	48505
LG07757	2/2/2016	Lead	1	Copper	70			FLINT	48507
LG07765	2/2/2016	Lead	1	Copper	50			FLINT	48506
LG07766	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG07787	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG07806	2/2/2016	Lead	1	Copper	200			FLINT	48503
LG07817	2/2/2016	Lead	1	Copper	100			FLINT	48503
LG07818	2/2/2016	Lead	1	Copper	70			FLINT	48504
LG07826	2/2/2016	Lead	1	Copper	0			FLINT	48503
LG07831	2/2/2016	Lead	1	Copper	0			FLINT	48505
LG07838	2/2/2016	Lead	1	Copper	60			FLINT	48504
LG07845	2/2/2016	Lead	1	Copper	0			FLINT	48506
LG07875	2/2/2016	Lead	1	Copper	60			FLINT	48507
LG07892	2/2/2016	Lead	1	Copper	0			FLINT	48504
LG07907	2/2/2016	Lead	1	Copper	320			FLINT	48503
LG07913	2/2/2016	Lead	1	Copper	50			FLINT	48503
LG07922	2/2/2016	Lead	1	Copper	240			FLINT	48507
LG07938	2/2/2016	Lead	1	Copper	0			FLINT	48504
LG07951	2/2/2016	Lead	1	Copper	60			FLINT	48503
LG07974	2/2/2016	Lead	1	Copper	0			FLINT	48506
LG08257	2/3/2016	Lead	1	Copper	70		E	FLINT	48505
LG08273	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08281	2/3/2016	Lead	1	Copper	90			FLINT	48505
LG08283	2/3/2016	Lead	1	Copper	0			FLINT	48506
LG08286	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08313	2/3/2016	Lead	1	Copper	310			FLINT	48503
LG08326	2/3/2016	Lead	1	Copper	100				
LG08338	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG08342	2/3/2016	Lead	1	Copper	50			FLINT	48504
LG08354	2/3/2016	Lead	1	Copper	70		r	FLINT	48507
LG08360	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG08370	2/3/2016	Lead	1	Copper	70			FLINT	48506
LG08371	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08372	2/3/2016	Lead	1	Copper	0			FLINT	48506
LG08375	2/3/2016	Lead	1	Copper	80			FLINT	48507
LG08383	2/3/2016	Lead	1	Copper	630			FLINT	48504
LG08386	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG08398	2/3/2016	Lead	1	Copper	50		JE	FLINT	48504
LG08411	2/3/2016	Lead	1	Copper	50			FLINT	48506
LG08435	2/3/2016	Lead	1	Copper	60			FLINT	48505
LG08438	2/3/2016	Lead	1	Copper	200			FLINT	48505
LG08442	2/3/2016	Lead	1	Copper	60			FLINT	48504-2164
LG08448	2/3/2016	Lead	1	Copper	110			FLINT	48507
LG08466	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG08471	2/3/2016	Lead	1	Copper	50			FLINT	48503
LG08478	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG08505	2/3/2016	Lead	1	Copper	0				
LG08517	2/3/2016	Lead	1	Copper	0			FLINT	48505
LG08531	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08543	2/3/2016	Lead	1	Copper	50			FLINT	48504
LG08545	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08560	2/3/2016	Lead	1	Copper	470			FLINT	48503
LG08561	2/3/2016	Lead	1	Copper	60			FLINT	48503
LG08598	2/3/2016	Lead	1	Copper	80			FLINT	48505
LG08636	2/3/2016	Lead	1	Copper	0			FLINT	48506
LG08648	2/3/2016	Lead	1	Copper	0			FLINT	48504
LG08649	2/3/2016	Lead	1	Copper	0			FLINT	48504
LG08665	2/3/2016	Lead	1	Copper	0			FLINT	48505
LG08674	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08690	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08703	2/3/2016	Lead	1	Copper	0				
LG08706	2/3/2016	Lead	1	Copper	0			FLINT	48505
LG08709	2/3/2016	Lead	1	Copper	110			FLINT	48506
LG08710	2/3/2016	Lead	1	Copper	50			FLINT	48503
LG08719	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08723	2/3/2016	Lead	1	Copper	0			FLINT	48507
LG08732	2/3/2016	Lead	1	Copper	0			FLINT	48503
LG08742	2/3/2016	Lead	1	Copper	110	3		FLINT	48503
LG08747	2/3/2016	Lead	1	Copper	0	1		FLINT	48503
LG08756	2/3/2016	Lead	1	Copper	140	1		FLINT	48503
LG08763	2/3/2016	Lead	1	Copper	0	6		FLINT	48504
LG08771	2/3/2016	Lead	1	Copper	90	2		FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG08778	2/3/2016	Lead	1	Copper	60		FLINT	48506
LG08783	2/3/2016	Lead	1	Copper	200		FLINT	48507
LG08789	2/3/2016	Lead	1	Copper	0		FLINT	48503
LG08797	2/3/2016	Lead	1	Copper	0		FLINT	48503
LG09069	2/4/2016	Lead	1	Copper	60		FLINT	48503
LG09070	2/4/2016	Lead	1	Copper	140		FLINT	48505
LG09075	2/4/2016	Lead	1	Copper	120		FLINT	48504
LG09076	2/4/2016	Lead	1	Copper	0			
LG09078	2/4/2016	Lead	1	Copper	100		FLINT	48504
LG09103	2/4/2016	Lead	1	Copper	0		FLINT	48507
LG09107	2/4/2016	Lead	1	Copper	130		FLINT	
LG09108	2/4/2016	Lead	1	Copper	0		BURTON	48507
LG09123	2/4/2016	Lead	1	Copper	0		FLINT	48507
LG09149	2/4/2016	Lead	1	Copper	90		FLINT	48532
LG09170	2/4/2016	Lead	1	Copper	0	UE	FLINT	48506
LG09173	2/4/2016	Lead	1	Copper	100		FLINT	48504
LG09178	2/4/2016	Lead	1	Copper	70		FLINT	48504
LG09188	2/4/2016	Lead	1	Copper	0		FLINT	48507
LG09189	2/4/2016	Lead	1	Copper	70		FLINT	48503
LG09193	2/4/2016	Lead	1	Copper	0		FLINT	48503
LG09199	2/4/2016	Lead	1	Copper	0		FLINT	48504
LG09238	2/4/2016	Lead	1	Copper	100		FLINT	48503
LG09260	2/4/2016	Lead	1	Copper	90		FLINT	48507
LG09282	2/4/2016	Lead	1	Copper	0		FLINT	48503
LG09284	2/4/2016	Lead	1	Copper	60		FLINT	48505
LG09289	2/4/2016	Lead	1	Copper	200		FLINT	48507
LG09323	2/4/2016	Lead	1	Copper	0		FLINT	48503
LG09334	2/4/2016	Lead	1	Copper	0		FLINT	48503
LG09338	2/4/2016	Lead	1	Copper	600		FLINT	48505
LG09344	2/4/2016	Lead	1	Copper	150		FLINT	48503
LG09356	2/4/2016	Lead	1	Copper	70		FLINT	48504
LG09380	2/4/2016	Lead	1	Copper	0		FLINT	48503
LG09394	2/4/2016	Lead	1	Copper	160		FLINT	48503
LG09399	2/4/2016	Lead	1	Copper	80		FLINT	
LG09411	2/4/2016	Lead	1	Copper	0		FLINT	48506
LG09419	2/4/2016	Lead	1	Copper	0		FLINT	
LG09447	2/4/2016	Lead	1	Copper	0		FLINT	48505
LG09450	2/4/2016	Lead	1	Copper	0	AY	FLINT	48503
LG09463	2/4/2016	Lead	1	Copper	0		FLINT	48503
LG09468	2/4/2016	Lead	1	Copper	70		FLINT	48503
LG09469	2/4/2016	Lead	1	Copper	0		FLINT	48532
LG09471	2/4/2016	Lead	1	Copper	50		FLINT	48503
LG09489	2/4/2016	Lead	1	Copper	0		FLINT	
LG09493	2/4/2016	Lead	1	Copper	110		FLINT	48506
LG09647	2/5/2016	Lead	1	Copper	60		FLINT	48506
LG09657	2/5/2016	Lead	1	Copper	0		FLINT	48503
LG09668	2/5/2016	Lead	1	Copper	0		FLINT	48505
LG09669	2/5/2016	Lead	1	Copper	90		FLINT	48503
LG09683	2/5/2016	Lead	1	Copper	0		FLINT	
LG09691	2/5/2016	Lead	1	Copper	50		FLINT	48507
LG09703	2/5/2016	Lead	1	Copper	0		FLINT	48507
LG09712	2/5/2016	Lead	1	Copper	0			48506
LG09715	2/5/2016	Lead	1	Copper	0		FLINT	48504
LG09738	2/5/2016	Lead	1	Copper	0		FLINT	48506
LG09746	2/5/2016	Lead	1	Copper	90		FLINT	
LG09763	2/5/2016	Lead	1	Copper	110		FLINT	48504
LG09768	2/5/2016	Lead	1	Copper	210		FLINT	48503
LG09805	2/5/2016	Lead	1	Copper	0	/E	FLINT	48507
LG09817	2/5/2016	Lead	1	Copper	270		FLINT	
LG09820	2/5/2016	Lead	1	Copper	100		FLINT	48504
LG09823	2/5/2016	Lead	1	Copper	0		FLINT	48504
LG09836	2/5/2016	Lead	1	Copper	0		FLINT	
LG09849	2/5/2016	Lead	1	Copper	100		FLINT	48507
LG09850	2/5/2016	Lead	1	Copper	0		FLINT	48503
LG09862	2/5/2016	Lead	1	Copper	0		FLINT	48503
LG09867	2/5/2016	Lead	1	Copper	0		FLINT	48503
LG09873	2/5/2016	Lead	1	Copper	60		FLINT	48503
LG09874	2/5/2016	Lead	1	Copper	0		FLINT	48503
LG09879	2/5/2016	Lead	1	Copper	0		FLINT	48504
LG09893	2/5/2016	Lead	1	Copper	100		FLINT	48503
LG09895	2/5/2016	Lead	1	Copper	0		FLINT	48504
LG09904	2/5/2016	Lead	1	Copper	0		FLINT	48504
LG09905	2/5/2016	Lead	1	Copper	0		FLINT	48505
LG09914	2/5/2016	Lead	1	Copper	0		FLINT	48503
LG09917	2/5/2016	Lead	1	Copper	60		FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG09927	2/5/2016	Lead	1	Copper	180		AVE	FLINT	48503
LG09939	2/5/2016	Lead	1	Copper	0			FLINT	48504
LG09953	2/5/2016	Lead	1	Copper	0				48506
LG09963	2/5/2016	Lead	1	Copper	300			FLINT	
LG09971	2/5/2016	Lead	1	Copper	100			FLINT	48507
LG09974	2/5/2016	Lead	1	Copper	60			FLINT	48503
LG09978	2/5/2016	Lead	1	Copper	100			FLINT	48507
LG09986	2/5/2016	Lead	1	Copper	100			FLINT	48505
LG09990	2/5/2016	Lead	1	Copper	90			FLINT	48503
LG10013	2/5/2016	Lead	1	Copper	80			FLINT	48505-1934
LG10015	2/5/2016	Lead	1	Copper	70			FLINT	48503
LG10067	2/6/2016	Lead	1	Copper	90			FLINT	48503
LG10075	2/6/2016	Lead	1	Copper	0			FLINT	48506
LG10087	2/6/2016	Lead	1	Copper	0			FLINT	48506
LG10102	2/6/2016	Lead	1	Copper	0			FLINT	48503
LG10111	2/6/2016	Lead	1	Copper	50		ENUE	FLINT	48509
LG10126	2/6/2016	Lead	1	Copper	130			FLINT	48504
LG10153	2/6/2016	Lead	1	Copper	150			FLINT	48505
LG10157	2/6/2016	Lead	1	Copper	0			FLINT	48506
LG10159	2/6/2016	Lead	1	Copper	90			FLINT	48507
LG10160	2/6/2016	Lead	1	Copper	110			FLINT	48506
LG10163	2/6/2016	Lead	1	Copper	70			FLINT	48506
LG10166	2/6/2016	Lead	1	Copper	60			FLINT	48507
LG10169	2/6/2016	Lead	1	Copper	0			FLINT	48505
LG10187	2/6/2016	Lead	1	Copper	380			FLINT	48504
LG10194	2/6/2016	Lead	1	Copper	110			FLINT	48504
LG10195	2/6/2016	Lead	1	Copper	0			FLINT	48503
LG10198	2/6/2016	Lead	1	Copper	0			FLINT	
LG10213	2/6/2016	Lead	1	Copper	50			FLINT	48503
LG10223	2/6/2016	Lead	1	Copper	0			FLINT	48507
LG10225	2/6/2016	Lead	1	Copper	100			FLINT	48507
LG10250	2/6/2016	Lead	1	Copper	0			FLINT	48503
LG10259	2/6/2016	Lead	1	Copper	80			FLINT	48503
LG10468	2/7/2016	Lead	1	Copper	70			FLINT	48504
LG10488	2/7/2016	Lead	1	Copper	0			FLINT	48503
LG10491	2/7/2016	Lead	1	Copper	0			FLINT	
LG10495	2/7/2016	Lead	1	Copper	100			FLINT	48504
LG10500	2/7/2016	Lead	1	Copper	0			FLINT	48504
LG10502	2/7/2016	Lead	1	Copper	0			FLINT	48505
LG10504	2/7/2016	Lead	1	Copper	200			FLINT	48504
LG10527	2/7/2016	Lead	1	Copper	0			FLINT	
LG10578	2/7/2016	Lead	1	Copper	200			FLINT	48506
LG10580	2/7/2016	Lead	1	Copper	90			MT MORRIS	48458
LG10584	2/7/2016	Lead	1	Copper	0			FLINT	48506
LG10596	2/7/2016	Lead	1	Copper	0			FLINT	48506
LG10597	2/7/2016	Lead	1	Copper	60			FLINT	48504
LG10606	2/7/2016	Lead	1	Copper	0			FLINT	48506
LF81254	9/3/2015	Lead	2	Copper	80			FLINT	48503
LF82707	9/15/2015	Lead	2	Copper	50			FLINT	48504
LF84313	9/23/2015	Lead	2	Copper	70			FLINT	48503
LF84900	9/25/2015	Lead	2	Copper	0			FLINT	
LF85291	9/29/2015	Lead	2	Copper	60			FLINT	48506
LF85601	9/30/2015	Lead	2	Copper	110			FLINT	48503
LF85606	9/30/2015	Lead	2	Copper	0			FLINT	48504
LF85610	9/30/2015	Lead	2	Copper	70			FLINT	48507
LF85612	9/30/2015	Lead	2	Copper	150			FLINT	48507
LF85795	10/1/2015	Lead	2	Copper	60			FLINT	48504
LF85858	10/1/2015	Lead	2	Copper	0			FLINT	48503
LF85861	10/1/2015	Lead	2	Copper	0			FLINT	48504
LF85932	10/2/2015	Lead	2	Copper	0			FLINT	48503
LF85946	10/2/2015	Lead	2	Copper	220			FLINT	48532
LF85950	10/2/2015	Lead	2	Copper	410			FLINT	48503
LF85958	10/2/2015	Lead	2	Copper	920			FLINT	48502
LF86490	10/6/2015	Lead	2	Copper	150			FLINT	48504
LF86491	10/6/2015	Lead	2	Copper	150			FLINT	48503
LF86497	10/6/2015	Lead	2	Copper	80			FLINT	48503
LF86502	10/6/2015	Lead	2	Copper	0			FLINT	48504
LF86503	10/6/2015	Lead	2	Copper	130			FLINT	48503
LF86506	10/6/2015	Lead	2	Copper	0			FLINT	48504
LF86509	10/6/2015	Lead	2	Copper	650			FLINT	48505
LF87020	10/8/2015	Lead	2	Copper	100			FLINT	48504
LF87026	10/8/2015	Lead	2	Copper	540			FLINT	48503
LF87027	10/8/2015	Lead	2	Copper	720			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LF87049	10/8/2015	Lead	2	Copper	70			FLINT	48507
LF87059	10/8/2015	Lead	2	Copper	0			FLINT	48503
LF87063	10/8/2015	Lead	2	Copper	0			FLINT	48502
LF87368	10/13/2015	Lead	2	Copper	250			FLINT	48503
LF87376	10/13/2015	Lead	2	Copper	100			FLINT	48504
LF87381	10/13/2015	Lead	2	Copper	150			FLINT	48506
LF87391	10/13/2015	Lead	2	Copper	70			FLINT	48507
LF87393	10/13/2015	Lead	2	Copper	90			FLINT	48503
LF87400	10/13/2015	Lead	2	Copper	0			FLINT	48504
LF87404	10/13/2015	Lead	2	Copper	60			FLINT	48506
LF87408	10/13/2015	Lead	2	Copper	550		AY	FLINT	48506
LF87410	10/13/2015	Lead	2	Copper	310			FLINT	48503
LF87413	10/13/2015	Lead	2	Copper	60			FLINT	48507
LF87420	10/13/2015	Lead	2	Copper	0			FLINT	48506
LF87422	10/13/2015	Lead	2	Copper	110			FLINT	48506
LF87933	10/16/2015	Lead	2	Copper	0			FLINT	48503
LF87934	10/16/2015	Lead	2	Copper	0		E	FLINT	48503
LF87935	10/16/2015	Lead	2	Copper	0			FLINT	48503
LF87944	10/16/2015	Lead	2	Copper	190			FLINT	48502
LF88288	10/20/2015	Lead	2	Copper	620			FLINT	48503
LF88294	10/20/2015	Lead	2	Copper	0			FLINT	48507
LF88303	10/20/2015	Lead	2	Copper	180			FLINT	48503
LF88314	10/20/2015	Lead	2	Copper	0			FLINT	
LF88321	10/20/2015	Lead	2	Copper	180			FLINT	48503
LF88324	10/20/2015	Lead	2	Copper	0			FLINT	48503
LF88958	10/26/2015	Lead	2	Copper	70			FLINT	48503
LF88970	10/26/2015	Lead	2	Copper	140			FLINT	48504
LF88971	10/26/2015	Lead	2	Copper	0			FLINT	48503
LF88974	10/26/2015	Lead	2	Copper	0			FLINT	48504
LF88975	10/26/2015	Lead	2	Copper	140			FLINT	48503
LF90455	11/4/2015	Lead	2	Copper	0			FLINT	48503
LF90461	11/4/2015	Lead	2	Copper	110			FLINT	48503
LF91270	11/9/2015	Lead	2	Copper	60			FLINT	48503
LF91274	11/9/2015	Lead	2	Copper	120			FLINT	48504
LF91288	11/9/2015	Lead	2	Copper	80			FLINT	48505
LF91289	11/9/2015	Lead	2	Copper	250			FLINT	48507
LF92709	11/18/2015	Lead	2	Copper	70			FLINT	48507
LF92716	11/18/2015	Lead	2	Copper	80			FLINT	48506
LF92718	11/18/2015	Lead	2	Copper	80			FLINT	48504
LF92720	11/18/2015	Lead	2	Copper	70			FLINT	48503
LF92721	11/18/2015	Lead	2	Copper	0			FLINT	48503
LF92732	11/18/2015	Lead	2	Copper	0			FLINT	48503
LF93563	11/24/2015	Lead	2	Copper	390			FLINT	48503
LF93583	11/24/2015	Lead	2	Copper	0			FLINT	48507
LF93585	11/24/2015	Lead	2	Copper	0			FLINT	48503
LF94268	12/2/2015	Lead	2	Copper	70			FLINT	48503
LF94274	12/2/2015	Lead	2	Copper	0			FLINT	48504
LF94276	12/2/2015	Lead	2	Copper	0			FLINT	48503
LF94295	12/2/2015	Lead	2	Copper	0			FLINT	48507
LF94297	12/2/2015	Lead	2	Copper	60			FLINT	48503
LF94300	12/2/2015	Lead	2	Copper	60			FLINT	48503
LF95918	12/10/2015	Lead	2	Copper	70			FLINT	48506
LF95919	12/10/2015	Lead	2	Copper	200			FLINT	48504
LF95929	12/10/2015	Lead	2	Copper	150			FLINT	***
LF95934	12/10/2015	Lead	2	Copper	100			FLINT	48504
LF97316	12/18/2015	Lead	2	Copper	0		)5	FLINT	49502
LF97323	12/18/2015	Lead	2	Copper	0			FLINT	48507
LF97330	12/18/2015	Lead	2	Copper	0			FLINT	
LF97344	12/18/2015	Lead	2	Copper	0			FLINT	
LF97950	12/29/2015	Lead	2	Copper	350		SE	FLINT	
LF97955	12/29/2015	Lead	2	Copper	0			FLINT	
LF97974	12/29/2015	Lead	2	Copper	0			FLINT	48503
LF99142	1/7/2016	Lead	2	Copper	0			FLINT	
LF99154	1/7/2016	Lead	2	Copper	90			FLINT	48505
LF99156	1/7/2016	Lead	2	Copper	0			FLINT	
LF99163	1/7/2016	Lead	2	Copper	70		DR	FLINT	48503
LF99172	1/7/2016	Lead	2	Copper	0		E	FLINT	
LF99173	1/7/2016	Lead	2	Copper	0		E	FLINT	
LF99174	1/7/2016	Lead	2	Copper	0		E	FLINT	
LF99203	1/7/2016	Lead	2	Copper	190		E	FLINT	
LF99646	1/13/2016	Lead	2	Copper	0			FLINT	48504
LF99894	1/15/2016	Lead	2	Copper	0			FLINT	48503
LF99916	1/15/2016	Lead	2	Copper	90			FLINT	
LF99934	1/15/2016	Lead	2	Copper	0				48503
LF99941	1/15/2016	Lead	2	Copper	0				48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible]t #	Street Name	City	Zip Code
LF99942	1/15/2016	Lead	2	Copper	0				
LF99945	1/15/2016	Lead	2	Copper	150				
LF99958	1/15/2016	Lead	2	Copper	180			FLINT	48503
LF99966	1/15/2016	Lead	2	Copper	0				48503
LF99977	1/15/2016	Lead	2	Copper	0			FLINT	48506
LF99979	1/15/2016	Lead	2	Copper	70			FLINT	48505
LG00002	1/15/2016	Lead	2	Copper	0			FLINT	48505
LG00457	1/19/2016	Lead	2	Copper	60		I AVE	FLINT	48503
LG00462	1/19/2016	Lead	2	Copper	240			FLINT	48503
LG00466	1/19/2016	Lead	2	Copper	0			FLINT	48505
LG00470	1/19/2016	Lead	2	Copper	0			FLINT	48507
LG00480	1/19/2016	Lead	2	Copper	100			FLINT	48506
LG00485	1/19/2016	Lead	2	Copper	0			FLINT	48507
LG00486	1/19/2016	Lead	2	Copper	80			FLINT	48506
LG00502	1/19/2016	Lead	2	Copper	0			FLINT	48503
LG00504	1/19/2016	Lead	2	Copper	0			FLINT	48504
LG00505	1/19/2016	Lead	2	Copper	0			FLINT	48506
LG00520	1/19/2016	Lead	2	Copper	100			FLINT	48506
LG00521	1/19/2016	Lead	2	Copper	0		41	FLINT	48507
LG00526	1/19/2016	Lead	2	Copper	90		T 30	FLINT	48506
LG00528	1/19/2016	Lead	2	Copper	80			FLINT	48503
LG00539	1/19/2016	Lead	2	Copper	70		UE	FLINT	48507
LG00559	1/19/2016	Lead	2	Copper	0			FLINT	48503
LG00560	1/19/2016	Lead	2	Copper	0			FLINT	48506
LG00574	1/19/2016	Lead	2	Copper	0			FLINT	48505
LG00582	1/19/2016	Lead	2	Copper	70				
LG00611	1/19/2016	Lead	2	Copper	0			FLINT	48503
LG00618	1/19/2016	Lead	2	Copper	150			FLINT	
LG00620	1/19/2016	Lead	2	Copper	120		Y BLVD	FLINT	48506
LG00623	1/19/2016	Lead	2	Copper	0			FLINT	48507
LG00625	1/19/2016	Lead	2	Copper	90			FLINT	48503
LG00825	1/20/2016	Lead	2	Copper	0			FLINT	48506
LG00829	1/20/2016	Lead	2	Copper	300				48505
LG00834	1/20/2016	Lead	2	Copper	140			FLINT	
LG00836	1/20/2016	Lead	2	Copper	0			FLINT	48507
LG00837	1/20/2016	Lead	2	Copper	0			FLINT	48504
LG00849	1/20/2016	Lead	2	Copper	80			FLINT	48503
LG00855	1/20/2016	Lead	2	Copper	0			FLINT	
LG00857	1/20/2016	Lead	2	Copper	70			FLINT	48507
LG00871	1/20/2016	Lead	2	Copper	0			FLINT	48504
LG00872	1/20/2016	Lead	2	Copper	210			FLINT	48507
LG00888	1/20/2016	Lead	2	Copper	0			FLINT	48505
LG00889	1/20/2016	Lead	2	Copper	0		AVE	FLINT	48505
LG00905	1/20/2016	Lead	2	Copper	0			FLINT	48507
LG00908	1/20/2016	Lead	2	Copper	110			FLINT	48504
LG00916	1/20/2016	Lead	2	Copper	0			FLINT	48507
LG00930	1/20/2016	Lead	2	Copper	0			FLINT	48505
LG00936	1/20/2016	Lead	2	Copper	0			FLINT	48503
LG00937	1/20/2016	Lead	2	Copper	180			FLINT	48503
LG00938	1/20/2016	Lead	2	Copper	0			FLINT	48506
LG00939	1/20/2016	Lead	2	Copper	80		E	FLINT	48503
LG00942	1/20/2016	Lead	2	Copper	0			FLINT	48504
LG00952	1/20/2016	Lead	2	Copper	110			FLINT	
LG00985	1/20/2016	Lead	2	Copper	60			FLINT	48503
LG01179	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01196	1/21/2016	Lead	2	Copper	60			FLINT	48503
LG01200	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01207	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01219	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG01226	1/21/2016	Lead	2	Copper	110			FLINT	48503
LG01227	1/21/2016	Lead	2	Copper	60			FLINT	48505
LG01249	1/21/2016	Lead	2	Copper	70			FLINT	48503
LG01260	1/21/2016	Lead	2	Copper	140			FLINT	48504
LG01264	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG01293	1/21/2016	Lead	2	Copper	60			FLINT	48504
LG01295	1/21/2016	Lead	2	Copper	0		LVD	FLINT	48505
LG01296	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01301	1/21/2016	Lead	2	Copper	0			FLINT	
LG01317	1/21/2016	Lead	2	Copper	120			FLINT	48504
LG01336	1/21/2016	Lead	2	Copper	220			FLINT	48503
LG01339	1/21/2016	Lead	2	Copper	70			FLINT	48503
LG01340	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG01347	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01354	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01368	1/21/2016	Lead	2	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	Street Name	City	Zip Code
LG01381	1/21/2016	Lead	2	Copper	80			FLINT	48504
LG01393	1/21/2016	Lead	2	Copper	60			FLINT	48507
LG01394	1/21/2016	Lead	2	Copper	60		VE	FLINT	48505
LG01398	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01405	1/21/2016	Lead	2	Copper	70			FLINT	48507
LG01429	1/21/2016	Lead	2	Copper	50			FLINT	48507
LG01440	1/21/2016	Lead	2	Copper	130			FLINT	48503
LG01442	1/21/2016	Lead	2	Copper	100			FLINT	48503
LG01452	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01458	1/21/2016	Lead	2	Copper	80			FLINT	48503
LG01461	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG01463	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01504	1/21/2016	Lead	2	Copper	100			FLINT	48506
LG01518	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01521	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG01532	1/21/2016	Lead	2	Copper	190			FLINT	48507
LG01537	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01541	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01544	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01545	1/21/2016	Lead	2	Copper	80			FLINT	48507-2518
LG01548	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01569	1/21/2016	Lead	2	Copper	70			FLINT	48503
LG01604	1/21/2016	Lead	2	Copper	90			FLINT	48504
LG01614	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01615	1/21/2016	Lead	2	Copper	100			FLINT	48504
LG01616	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01618	1/21/2016	Lead	2	Copper	70			FLINT	48504
LG01623	1/21/2016	Lead	2	Copper	80			FLINT	48503
LG01624	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG01630	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01635	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG01636	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG01638	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01639	1/21/2016	Lead	2	Copper	170		E	FLINT	48503
LG01669	1/21/2016	Lead	2	Copper	60			FLINT	48506
LG01670	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01672	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG01676	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG01686	1/21/2016	Lead	2	Copper	170			FLINT	48503
LG01696	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01705	1/21/2016	Lead	2	Copper	70				48505
LG01708	1/21/2016	Lead	2	Copper	230			FLINT	48503
LG01736	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01756	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01758	1/21/2016	Lead	2	Copper	0			FLINT	
LG01808	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG01811	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01842	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01845	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG01850	1/21/2016	Lead	2	Copper	70			FLINT	48503
LG01876	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01878	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01883	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG01891	1/21/2016	Lead	2	Copper	60			FLINT	48506
LG01894	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01899	1/21/2016	Lead	2	Copper	50			FLINT	48507
LG01904	1/21/2016	Lead	2	Copper	100		E	FLINT	48503
LG01905	1/21/2016	Lead	2	Copper	60			FLINT	48507
LG01912	1/21/2016	Lead	2	Copper	0			FLINT	48507
LG01926	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG01941	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG01943	1/21/2016	Lead	2	Copper	120			FLINT	48506
LG01945	1/21/2016	Lead	2	Copper	0			FLINT	
LG01957	1/21/2016	Lead	2	Copper	130			FLINT	
LG01966	1/21/2016	Lead	2	Copper	200			FLINT	48506
LG01979	1/21/2016	Lead	2	Copper	380			BURTON	48529
LG01992	1/21/2016	Lead	2	Copper	100			FLINT	48504
LG01998	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG02021	1/21/2016	Lead	2	Copper	70			FLINT	48507
LG02026	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG02027	1/21/2016	Lead	2	Copper	50			FLINT	48503
LG02039	1/21/2016	Lead	2	Copper	50			FLINT	48505
LG02053	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG02072	1/21/2016	Lead	2	Copper	50			FLINT	

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street	Street Name	City	Zip Code
LG02073	1/21/2016	Lead	2	Copper	90			FLINT	48507
LG02074	1/21/2016	Lead	2	Copper	80			FLINT	48505
LG02078	1/21/2016	Lead	2	Copper	50			FLINT	48503
LG02115	1/21/2016	Lead	2	Copper	120			FLINT	48507
LG02140	1/21/2016	Lead	2	Copper	0			FLINT	
LG02161	1/21/2016	Lead	2	Copper	0			FLINT	48506
LG02165	1/21/2016	Lead	2	Copper	110			FLINT	48503
LG02179	1/21/2016	Lead	2	Copper	0			FLINT	48503
LG02184	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG02185	1/21/2016	Lead	2	Copper	140			FLINT	48505
LG02195	1/21/2016	Lead	2	Copper	50			FLINT	48504
LG02217	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG02221	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG02222	1/21/2016	Lead	2	Copper	0			FLINT	48504
LG02223	1/21/2016	Lead	2	Copper	0			FLINT	48505
LG02224	1/21/2016	Lead	2	Copper	130			FLINT	48505
LG02301	1/22/2016	Lead	2	Copper	0		0	FLINT	48502
LG02350	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02357	1/22/2016	Lead	2	Copper	180			FLINT	48507
LG02361	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02362	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02363	1/22/2016	Lead	2	Copper	200			FLINT	
LG02373	1/22/2016	Lead	2	Copper	0			FLINT	48507
LG02377	1/22/2016	Lead	2	Copper	0			FLINT	
LG02401	1/22/2016	Lead	2	Copper	420		COURT ST	FLINT	48503
LG02407	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02408	1/22/2016	Lead	2	Copper	250			FLINT	48503
LG02419	1/22/2016	Lead	2	Copper	290			FLINT	
LG02424	1/22/2016	Lead	2	Copper	240			FLINT	48507
LG02431	1/22/2016	Lead	2	Copper	0			FLINT	48506
LG02448	1/22/2016	Lead	2	Copper	0		#1	FLINT	48503
LG02449	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02454	1/22/2016	Lead	2	Copper	150			FLINT	48503
LG02462	1/22/2016	Lead	2	Copper	280			FLINT	48504
LG02463	1/22/2016	Lead	2	Copper	150			FLINT	48503
LG02482	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02484	1/22/2016	Lead	2	Copper	130			FLINT	48504
LG02491	1/22/2016	Lead	2	Copper	140			FLINT	48507
LG02513	1/22/2016	Lead	2	Copper	190		R	FLINT	48507
LG02520	1/22/2016	Lead	2	Copper	130			FLINT	48506
LG02521	1/22/2016	Lead	2	Copper	200			FLINT	48506
LG02527	1/22/2016	Lead	2	Copper	140			FLINT	48506
LG02537	1/22/2016	Lead	2	Copper	90			FLINT	48506
LG02538	1/22/2016	Lead	2	Copper	60			FLINT	48503
LG02554	1/22/2016	Lead	2	Copper	0			FLINT	48506
LG02566	1/22/2016	Lead	2	Copper	440			FLINT	48506
LG02577	1/22/2016	Lead	2	Copper	110			FLINT	48504
LG02582	1/22/2016	Lead	2	Copper	0		(5128-48505	FLINT	48505
LG02589	1/22/2016	Lead	2	Copper	0			FLINT	48503
LG02610	1/22/2016	Lead	2	Copper	0			FLINT	48505
LG02612	1/22/2016	Lead	2	Copper	0			FLINT	48505
LG02627	1/22/2016	Lead	2	Copper	0			FLINT	48506
LG02628	1/22/2016	Lead	2	Copper	160			FLINT	48507
LG02630	1/22/2016	Lead	2	Copper	80			FLINT	48507
LG02678	1/23/2016	Lead	2	Copper	0			FLINT	48505
LG02696	1/23/2016	Lead	2	Copper	150			FLINT	48506
LG02708	1/23/2016	Lead	2	Copper	0			FLINT	48506
LG02717	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG02752	1/23/2016	Lead	2	Copper	0			FLINT	48505
LG02760	1/23/2016	Lead	2	Copper	0				
LG02769	1/23/2016	Lead	2	Copper	60			FLINT	48505
LG02780	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG02783	1/23/2016	Lead	2	Copper	0			FLINT	48506
LG02789	1/23/2016	Lead	2	Copper	60			FLINT	48503
LG02819	1/23/2016	Lead	2	Copper	0			FLINT	48507
LG02844	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG02892	1/23/2016	Lead	2	Copper	70			FLINT	48507
LG02900	1/23/2016	Lead	2	Copper	0		E	FLINT	48503
LG02922	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG02943	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG02957	1/23/2016	Lead	2	Copper	80			FLINT	48506
LG02970	1/23/2016	Lead	2	Copper	0			FLINT	48503
LG02983	1/24/2016	Lead	2	Copper	50			FLINT	48504
LG02999	1/24/2016	Lead	2	Copper	0			FLINT	48506
LG03008	1/24/2016	Lead	2	Copper	100			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG03053	1/24/2016	Lead	2	Copper	0			FLINT	48506
LG03061	1/24/2016	Lead	2	Copper	0			FLINT	48503
LG03073	1/24/2016	Lead	2	Copper	0			FLINT	48504
LG03081	1/24/2016	Lead	2	Copper	0			FLINT	48503
LG03083	1/24/2016	Lead	2	Copper	120			FLINT	48503
LG03084	1/24/2016	Lead	2	Copper	0			FLINT	48506
LG03086	1/24/2016	Lead	2	Copper	70			FLINT	48506
LG03101	1/24/2016	Lead	2	Copper	0			FLINT	48507
LG03102	1/24/2016	Lead	2	Copper	150			FLINT	48507
LG03122	1/24/2016	Lead	2	Copper	0			FLINT	48505
LG03131	1/24/2016	Lead	2	Copper	80				
LG03138	1/24/2016	Lead	2	Copper	0			FLINT	48503
LG03148	1/24/2016	Lead	2	Copper	60		E	FLINT	48507
LG03164	1/24/2016	Lead	2	Copper	50			FLINT	48504
LG03458	1/25/2016	Lead	2	Copper	180		Y	FLINT	48503
LG03476	1/25/2016	Lead	2	Copper	0			FLINT	48507
LG03478	1/25/2016	Lead	2	Copper	260			FLINT	48507
LG03491	1/25/2016	Lead	2	Copper	0			FLINT	
LG03500	1/25/2016	Lead	2	Copper	110			FLINT	48507
LG03501	1/25/2016	Lead	2	Copper	60			FLINT	48504
LG03504	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG03522	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03531	1/25/2016	Lead	2	Copper	110		ACE	FLINT	48532
LG03548	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG03550	1/25/2016	Lead	2	Copper	70		'D	FLINT	48505
LG03552	1/25/2016	Lead	2	Copper	310			FLINT	48504
LG03560	1/25/2016	Lead	2	Copper	110		TREET	FLINT	48505
LG03572	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG03577	1/25/2016	Lead	2	Copper	0			FLINT	48506
LG03581	1/25/2016	Lead	2	Copper	0			FLINT	48507
LG03589	1/25/2016	Lead	2	Copper	70			FLINT	48506
LG03591	1/25/2016	Lead	2	Copper	80		T	FLINT	48506
LG03597	1/25/2016	Lead	2	Copper	60		Y	FLINT	48532
LG03598	1/25/2016	Lead	2	Copper	0		Y	FLINT	48503
LG03607	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG03614	1/25/2016	Lead	2	Copper	0			FLINT	
LG03625	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03628	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG03633	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG03635	1/25/2016	Lead	2	Copper	370			FLINT	48503
LG03653	1/25/2016	Lead	2	Copper	0			FLINT	
LG03663	1/25/2016	Lead	2	Copper	0			FLINT	48506
LG03665	1/25/2016	Lead	2	Copper	0			FLINT	
LG03667	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG03669	1/25/2016	Lead	2	Copper	160		RIVE	FLINT	48507
LG03671	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03674	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG03679	1/25/2016	Lead	2	Copper	330			FLINT	48507
LG03685	1/25/2016	Lead	2	Copper	0			FLINT	48506
LG03689	1/25/2016	Lead	2	Copper	160			FLINT	
LG03699	1/25/2016	Lead	2	Copper	90			FLINT	48507
LG03718	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03758	1/25/2016	Lead	2	Copper	120			FLINT	48503
LG03762	1/25/2016	Lead	2	Copper	390			FLINT	48503
LG03776	1/25/2016	Lead	2	Copper	220		CWAY	FLINT	48503
LG03785	1/25/2016	Lead	2	Copper	80			FLINT	48505
LG03791	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03792	1/25/2016	Lead	2	Copper	70			FLINT	48504
LG03793	1/25/2016	Lead	2	Copper	130			FLINT	48504
LG03800	1/25/2016	Lead	2	Copper	70			FLINT	48504
LG03818	1/25/2016	Lead	2	Copper	0			FLINT	48505
LG03819	1/25/2016	Lead	2	Copper	0			FLINT	48503
LG03829	1/25/2016	Lead	2	Copper	0			FLINT	48504
LG04020	1/26/2016	Lead	2	Copper	60			FLINT	48503
LG04022	1/26/2016	Lead	2	Copper	70			FLINT	48503
LG04030	1/26/2016	Lead	2	Copper	70			FLINT	
LG04037	1/26/2016	Lead	2	Copper	100			FLINT	48504
LG04044	1/26/2016	Lead	2	Copper	70		JE	FLINT	48503
LG04047	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG04053	1/26/2016	Lead	2	Copper	90			FLINT	48504
LG04066	1/26/2016	Lead	2	Copper	130			FLINT	48507
LG04078	1/26/2016	Lead	2	Copper	80			FLINT	48503
LG04081	1/26/2016	Lead	2	Copper	0			FLINT	48507
LG04091	1/26/2016	Lead	2	Copper	130			FLINT	48502
LG04102	1/26/2016	Lead	2	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG04107	1/26/2016	Lead	2	Copper	60			FLINT	48505
LG04108	1/26/2016	Lead	2	Copper	0			FLINT	48506
LG04114	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG04122	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG04123	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG04133	1/26/2016	Lead	2	Copper	0			FLINT	
LG04144	1/26/2016	Lead	2	Copper	140			FLINT	48503
LG04180	1/26/2016	Lead	2	Copper	0			FLINT	48504
LG04181	1/26/2016	Lead	2	Copper	0			FLINT	48504
LG04183	1/26/2016	Lead	2	Copper	90			FLINT	48507
LG04200	1/26/2016	Lead	2	Copper	60			FLINT	48505-2564
LG04204	1/26/2016	Lead	2	Copper	210			FLINT	48503
LG04210	1/26/2016	Lead	2	Copper	60			FLINT	48507
LG04215	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG04238	1/26/2016	Lead	2	Copper	0			FLINT	48507
LG04249	1/26/2016	Lead	2	Copper	0			FLINT	48504
LG04252	1/26/2016	Lead	2	Copper	0			FLINT	48505
LG04271	1/26/2016	Lead	2	Copper	0			FLINT	48506
LG04274	1/26/2016	Lead	2	Copper	120			BURTON	48529
LG04286	1/26/2016	Lead	2	Copper	0			FLINT	48505
LG04293	1/26/2016	Lead	2	Copper	100			FLINT	48504
LG04294	1/26/2016	Lead	2	Copper	50			FLINT	48506
LG04311	1/26/2016	Lead	2	Copper	0			FLINT	48054
LG04323	1/26/2016	Lead	2	Copper	100			FLINT	48506
LG04326	1/26/2016	Lead	2	Copper	0			FLINT	48507
LG04342	1/26/2016	Lead	2	Copper	0			FLINT	48506
LG04343	1/26/2016	Lead	2	Copper	180			FLINT	48505
LG04352	1/26/2016	Lead	2	Copper	110			FLINT	48532
LG04363	1/26/2016	Lead	2	Copper	120			FLINT	48505
LG04381	1/26/2016	Lead	2	Copper	0			FLINT	48504
LG04386	1/26/2016	Lead	2	Copper	130			FLINT	48503
LG04391	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG04462	1/26/2016	Lead	2	Copper	0			FLINT	48507
LG04471	1/26/2016	Lead	2	Copper	60			FLINT	48507
LG04503	1/26/2016	Lead	2	Copper	100			FLINT	48506
LG04510	1/26/2016	Lead	2	Copper	80			FLINT	48504
LG04520	1/26/2016	Lead	2	Copper	70			FLINT	48504
LG04524	1/26/2016	Lead	2	Copper	150			FLINT	48532-5208
LG04527	1/26/2016	Lead	2	Copper	0			FLINT	48506
LG04530	1/26/2016	Lead	2	Copper	130			FLINT	48506
LG04531	1/26/2016	Lead	2	Copper	60			FLINT	48506
LG04538	1/26/2016	Lead	2	Copper	50		E	FLINT	48507
LG04548	1/26/2016	Lead	2	Copper	70			FLINT	48507
LG04552	1/26/2016	Lead	2	Copper	110			FLINT	48504
LG04560	1/26/2016	Lead	2	Copper	0			FLINT	48505
LG04565	1/26/2016	Lead	2	Copper	0			FLINT	48506
LG04570	1/26/2016	Lead	2	Copper	0			FLINT	48505
LG04596	1/26/2016	Lead	2	Copper	0			FLINT	48503
LG04748	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG04749	1/27/2016	Lead	2	Copper	80		APT 2	FLINT	48507
LG04752	1/27/2016	Lead	2	Copper	0			FLINT	48504
LG04753	1/27/2016	Lead	2	Copper	90			FLINT	48503
LG04760	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG04764	1/27/2016	Lead	2	Copper	0			FLINT	
LG04793	1/27/2016	Lead	2	Copper	60			FLINT	48506
LG04798	1/27/2016	Lead	2	Copper	50			FLINT	48503
LG04806	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG04818	1/27/2016	Lead	2	Copper	90			FLINT	48504
LG04821	1/27/2016	Lead	2	Copper	110			FLINT	48507
LG04823	1/27/2016	Lead	2	Copper	0			FLINT	48506
LG04848	1/27/2016	Lead	2	Copper	170			FLINT	48504
LG04850	1/27/2016	Lead	2	Copper	0			FLINT	48507
LG04854	1/27/2016	Lead	2	Copper	0			FLINT	48504
LG04859	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG04861	1/27/2016	Lead	2	Copper	0			FLINT	48504
LG04869	1/27/2016	Lead	2	Copper	210			FLINT	48504
LG04882	1/27/2016	Lead	2	Copper	60			FLINT	48507
LG04897	1/27/2016	Lead	2	Copper	50			FLINT	48507
LG04916	1/27/2016	Lead	2	Copper	60			FLINT	48507
LG04920	1/27/2016	Lead	2	Copper	0			FLINT	48507
LG04926	1/27/2016	Lead	2	Copper	60			FLINT	48503
LG04929	1/27/2016	Lead	2	Copper	90			FLINT	48504
LG04933	1/27/2016	Lead	2	Copper	60			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG04944	1/27/2016	Lead	2	Copper	70			FLINT	48507
LG04945	1/27/2016	Lead	2	Copper	0			FLINT	48507
LG04968	1/27/2016	Lead	2	Copper	70		)FC	FLINT	48507
LG04972	1/27/2016	Lead	2	Copper	140			FLINT	48507
LG04985	1/27/2016	Lead	2	Copper	380		)FC	FLINT	48507
LG05005	1/27/2016	Lead	2	Copper	60			FLINT	48505
LG05008	1/27/2016	Lead	2	Copper	0			FLINT	48505
LG05015	1/27/2016	Lead	2	Copper	100			FLINT	48503
LG05027	1/27/2016	Lead	2	Copper	100			FLINT	48507
LG05059	1/27/2016	Lead	2	Copper	70			FLINT	48503
LG05063	1/27/2016	Lead	2	Copper	0			FLINT	48504
LG05111	1/27/2016	Lead	2	Copper	70			FLINT	48503
LG05122	1/27/2016	Lead	2	Copper	110			FLINT	48507
LG05125	1/27/2016	Lead	2	Copper	100			FLINT	48504
LG05126	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG05132	1/27/2016	Lead	2	Copper	300		)FC #306	FLINT	48507
LG05139	1/27/2016	Lead	2	Copper	140			FLINT	48507
LG05140	1/27/2016	Lead	2	Copper	100			FLINT	
LG05151	1/27/2016	Lead	2	Copper	120		E	FLINT	48503
LG05185	1/27/2016	Lead	2	Copper	0			FLINT	48502
LG05201	1/27/2016	Lead	2	Copper	60			FLINT	48505
LG05204	1/27/2016	Lead	2	Copper	120			FLINT	48504
LG05208	1/27/2016	Lead	2	Copper	90		#106	FLINT	48507
LG05250	1/27/2016	Lead	2	Copper	0			FLINT	48503
LG05284	1/27/2016	Lead	2	Copper	60			FLINT	48507
LG05293	1/27/2016	Lead	2	Copper	130			FLINT	48504
LG05305	1/27/2016	Lead	2	Copper	150			FLINT	48507
LG05307	1/27/2016	Lead	2	Copper	0			FLINT	48504
LG05446	1/28/2016	Lead	2	Copper	130			FLINT	48506
LG05456	1/28/2016	Lead	2	Copper	0			FLINT	48507
LG05457	1/28/2016	Lead	2	Copper	150			FLINT	48504
LG05467	1/28/2016	Lead	2	Copper	60			FLINT	48505
LG05476	1/28/2016	Lead	2	Copper	0			FLINT	48506
LG05478	1/28/2016	Lead	2	Copper	50			FLINT	48505
LG05479	1/28/2016	Lead	2	Copper	0			FLINT	48506
LG05480	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG05493	1/28/2016	Lead	2	Copper	60			FLINT	48503
LG05497	1/28/2016	Lead	2	Copper	70			FLINT	48506
LG05502	1/28/2016	Lead	2	Copper	0			FLINT	48505
LG05505	1/28/2016	Lead	2	Copper	60			FLINT	48504
LG05512	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG05530	1/28/2016	Lead	2	Copper	0			FLINT	48504
LG05556	1/28/2016	Lead	2	Copper	100			FLINT	48503
LG05560	1/28/2016	Lead	2	Copper	0			FLINT	48507
LG05564	1/28/2016	Lead	2	Copper	0				
LG05568	1/28/2016	Lead	2	Copper	0			FLINT	48532
LG05573	1/28/2016	Lead	2	Copper	0			FLINT	48507
LG05574	1/28/2016	Lead	2	Copper	0			FLINT	48504
LG05581	1/28/2016	Lead	2	Copper	50			FLINT	48507
LG05585	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG05586	1/28/2016	Lead	2	Copper	100			FLINT	48506
LG05593	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG05602	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG05604	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG05610	1/28/2016	Lead	2	Copper	80			FLINT	48507
LG05611	1/28/2016	Lead	2	Copper	90			FLINT	48504
LG05623	1/28/2016	Lead	2	Copper	0			FLINT	48504
LG05624	1/28/2016	Lead	2	Copper	0			FLINT	48503
LG05627	1/28/2016	Lead	2	Copper	130			FLINT	48503
LG05630	1/28/2016	Lead	2	Copper	180			FLINT	48507
LG05634	1/28/2016	Lead	2	Copper	0			FLINT	
LG05640	1/28/2016	Lead	2	Copper	730			FLINT	48503
LG05668	1/28/2016	Lead	2	Copper	50			FLINT	48503
LG05674	1/28/2016	Lead	2	Copper	0			FLINT	48504
LG05682	1/28/2016	Lead	2	Copper	0			FLINT	48505
LG05686	1/28/2016	Lead	2	Copper	320		'E	FLINT	48504
LG05699	1/28/2016	Lead	2	Copper	140			FLINT	48505
LG05700	1/28/2016	Lead	2	Copper	190			BURTON	48529
LG05710	1/28/2016	Lead	2	Copper	310			FLINT	48503
LG05717	1/28/2016	Lead	2	Copper	0			FLINT	48507
LG05718	1/28/2016	Lead	2	Copper	0				
LG05719	1/28/2016	Lead	2	Copper	0			FLINT	
LG05742	1/28/2016	Lead	2	Copper	0			FLINT	48506
LG05747	1/28/2016	Lead	2	Copper	120			FLINT	48507
LG05748	1/28/2016	Lead	2	Copper	120			FLINT	48507

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street #	Street Name	City	Zip Code
LG05762	1/28/2016	Lead	2	Copper	0			FLINT	48504
LG05911	1/29/2016	Lead	2	Copper	0			FLINT	48504
LG05913	1/29/2016	Lead	2	Copper	0		AVE	FLINT	48503
LG05924	1/29/2016	Lead	2	Copper	0			FLINT	48507
LG05930	1/29/2016	Lead	2	Copper	60			FLINT	48504
LG05935	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG05949	1/29/2016	Lead	2	Copper	110			FLINT	48505
LG05952	1/29/2016	Lead	2	Copper	160			FLINT	48532
LG05968	1/29/2016	Lead	2	Copper	110			FLINT	48503
LG05973	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG05979	1/29/2016	Lead	2	Copper	60			FLINT	48503
LG05983	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG05985	1/29/2016	Lead	2	Copper	120			FLINT	48503
LG06009	1/29/2016	Lead	2	Copper	0			FLINT	
LG06019	1/29/2016	Lead	2	Copper	0			FLINT	48505
LG06025	1/29/2016	Lead	2	Copper	50			FLINT	48503
LG06030	1/29/2016	Lead	2	Copper	90			FLINT	48507
LG06031	1/29/2016	Lead	2	Copper	100			FLINT	48505
LG06038	1/29/2016	Lead	2	Copper	0			FLINT	48504
LG06044	1/29/2016	Lead	2	Copper	0			FLINT	48505
LG06047	1/29/2016	Lead	2	Copper	140			FLINT	48505
LG06055	1/29/2016	Lead	2	Copper	0			FLINT	
LG06070	1/29/2016	Lead	2	Copper	0			FLINT	48504
LG06072	1/29/2016	Lead	2	Copper	0			FLINT	48504
LG06073	1/29/2016	Lead	2	Copper	140			FLINT	48505
LG06090	1/29/2016	Lead	2	Copper	0			FLINT	48507
LG06092	1/29/2016	Lead	2	Copper	200			FLINT	
LG06110	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG06116	1/29/2016	Lead	2	Copper	0			FLINT	48505
LG06134	1/29/2016	Lead	2	Copper	0			FLINT	48505
LG06141	1/29/2016	Lead	2	Copper	90			FLINT	48506
LG06144	1/29/2016	Lead	2	Copper	140			FLINT	48505
LG06165	1/29/2016	Lead	2	Copper	0			FLINT	48504
LG06167	1/29/2016	Lead	2	Copper	300			FLINT	48504
LG06169	1/29/2016	Lead	2	Copper	90			FLINT	48506
LG06179	1/29/2016	Lead	2	Copper	0			FLINT	48506
LG06180	1/29/2016	Lead	2	Copper	0			FLINT	48503
LG06181	1/29/2016	Lead	2	Copper	210			FLINT	48503
LG06198	1/29/2016	Lead	2	Copper	0			FLINT	48507
LG06206	1/29/2016	Lead	2	Copper	60			FLINT	48507
LG06266	1/30/2016	Lead	2	Copper	60			FLINT	48504
LG06268	1/30/2016	Lead	2	Copper	0			FLINT	48505
LG06269	1/30/2016	Lead	2	Copper	80			FLINT	48503
LG06283	1/30/2016	Lead	2	Copper	250		R	FLINT	
LG06285	1/30/2016	Lead	2	Copper	0			FLINT	
LG06287	1/30/2016	Lead	2	Copper	0			FLINT	48504
LG06288	1/30/2016	Lead	2	Copper	0			FLINT	48503
LG06289	1/30/2016	Lead	2	Copper	310			FLINT	48503
LG06290	1/30/2016	Lead	2	Copper	140		E	FLINT	48507
LG06319	1/30/2016	Lead	2	Copper	170			FLINT	48503
LG06325	1/30/2016	Lead	2	Copper	0				
LG06333	1/30/2016	Lead	2	Copper	80			FLINT	
LG06335	1/30/2016	Lead	2	Copper	0			FLINT	48503
LG06336	1/30/2016	Lead	2	Copper	0			FLINT	48504
LG06340	1/30/2016	Lead	2	Copper	0			FLINT	48507
LG06362	1/30/2016	Lead	2	Copper	0			FLINT	48504
LG06383	1/30/2016	Lead	2	Copper	0			FLINT	48503
LG06393	1/30/2016	Lead	2	Copper	70			FLINT	48506
LG06404	1/30/2016	Lead	2	Copper	0			FLINT	48506
LG06413	1/30/2016	Lead	2	Copper	0			FLINT	48503
LG06414	1/30/2016	Lead	2	Copper	0			BURTON	48509
LG06419	1/30/2016	Lead	2	Copper	0			FLINT	48505
LG06435	1/30/2016	Lead	2	Copper	70			FLINT	48506
LG06469	1/31/2016	Lead	2	Copper	0			FLINT	48505
LG06478	1/31/2016	Lead	2	Copper	150			FLINT	48506
LG06483	1/31/2016	Lead	2	Copper	0			FLINT	48504
LG06488	1/31/2016	Lead	2	Copper	60			FLINT	48505
LG06489	1/31/2016	Lead	2	Copper	0			FLINT	48506
LG06499	1/31/2016	Lead	2	Copper	0			FLINT	48505
LG06502	1/31/2016	Lead	2	Copper	0			FLINT	48505
LG06512	1/31/2016	Lead	2	Copper	0			FLINT	48506
LG06524	1/31/2016	Lead	2	Copper	70			FLINT	48506
LG06526	1/31/2016	Lead	2	Copper	0			FLINT	
LG06530	1/31/2016	Lead	2	Copper	0			FLINT	48503
LG06533	1/31/2016	Lead	2	Copper	100			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	S	[illegible]	et Name	City	Zip Code
LG06536	1/31/2016	Lead	2	Copper	80				FLINT	
LG06545	1/31/2016	Lead	2	Copper	60				FLINT	48503
LG06551	1/31/2016	Lead	2	Copper	160				FLINT	48507
LG06552	1/31/2016	Lead	2	Copper	0			7	FLINT	48502
LG06557	1/31/2016	Lead	2	Copper	70				FLINT	48504
LG06578	1/31/2016	Lead	2	Copper	110				FLINT	48504
LG06585	1/31/2016	Lead	2	Copper	140					
LG06599	1/31/2016	Lead	2	Copper	90				FLINT	48503
LG06602	1/31/2016	Lead	2	Copper	80				FLINT	48506
LG06614	1/31/2016	Lead	2	Copper	100				FLINT	48503
LG06618	1/31/2016	Lead	2	Copper	0				FLINT	
LG06620	1/31/2016	Lead	2	Copper	60				FLINT	48507
LG06630	1/31/2016	Lead	2	Copper	120				FLINT	48504
LG06634	1/31/2016	Lead	2	Copper	60				FLINT	48507
LG06639	1/31/2016	Lead	2	Copper	70				FLINT	
LG06646	1/31/2016	Lead	2	Copper	320				FLINT	48507
LG06648	1/31/2016	Lead	2	Copper	0				FLINT	48507
LG06653	1/31/2016	Lead	2	Copper	0				FLINT	48503
LG06728	2/1/2016	Lead	2	Copper	0				FLINT	48503
LG06734	2/1/2016	Lead	2	Copper	0				FLINT	48503
LG06736	2/1/2016	Lead	2	Copper	0				FLINT	48506
LG06743	2/1/2016	Lead	2	Copper	60				FLINT	48506
LG06750	2/1/2016	Lead	2	Copper	110					48506
LG06756	2/1/2016	Lead	2	Copper	0					48504
LG06761	2/1/2016	Lead	2	Copper	80				FLINT	
LG06766	2/1/2016	Lead	2	Copper	0				FLINT	48506
LG06773	2/1/2016	Lead	2	Copper	0				FLINT	48505
LG06790	2/1/2016	Lead	2	Copper	370				FLINT	48503
LG06807	2/1/2016	Lead	2	Copper	0				FLINT	48507
LG06828	2/1/2016	Lead	2	Copper	60				FLINT	48504
LG06837	2/1/2016	Lead	2	Copper	120				FLINT	48504
LG06864	2/1/2016	Lead	2	Copper	0				FLINT	48507
LG06875	2/1/2016	Lead	2	Copper	160				FLINT	48503
LG06876	2/1/2016	Lead	2	Copper	180				FLINT	48507
LG06878	2/1/2016	Lead	2	Copper	230			)	FLINT	48505
LG06879	2/1/2016	Lead	2	Copper	180				FLINT	48504
LG06886	2/1/2016	Lead	2	Copper	60				FLINT	48503
LG06893	2/1/2016	Lead	2	Copper	90				FLINT	48507
LG06925	2/1/2016	Lead	2	Copper	150				FLINT	
LG06946	2/1/2016	Lead	2	Copper	80				FLINT	48507
LG06952	2/1/2016	Lead	2	Copper	0				FLINT	
LG06955	2/1/2016	Lead	2	Copper	0				FLINT	48503
LG06967	2/1/2016	Lead	2	Copper	0					
LG07000	2/1/2016	Lead	2	Copper	60				FLINT	48503
LG07005	2/1/2016	Lead	2	Copper	170				MT MORRIS	48458
LG07012	2/1/2016	Lead	2	Copper	0				FLINT	48504
LG07014	2/1/2016	Lead	2	Copper	0				FLINT	48505
LG07040	2/1/2016	Lead	2	Copper	90				FLINT	48503
LG07044	2/1/2016	Lead	2	Copper	0				FLINT	48506
LG07055	2/1/2016	Lead	2	Copper	0				FLINT	48507
LG07060	2/1/2016	Lead	2	Copper	130				FLINT	48507
LG07061	2/1/2016	Lead	2	Copper	0				FLINT	48503
LG07063	2/1/2016	Lead	2	Copper	60				FLINT	48507
LG07069	2/1/2016	Lead	2	Copper	100				FLINT	48507
LG07084	2/1/2016	Lead	2	Copper	80				FLINT	48507
LG07087	2/1/2016	Lead	2	Copper	110				FLINT	48504
LG07089	2/1/2016	Lead	2	Copper	0				FLINT	48503
LG07091	2/1/2016	Lead	2	Copper	60				FLINT	48504
LG07413	2/2/2016	Lead	2	Copper	0				FLINT	48505
LG07420	2/2/2016	Lead	2	Copper	120				FLINT	48503
LG07427	2/2/2016	Lead	2	Copper	60				FLINT	48506
LG07442	2/2/2016	Lead	2	Copper	0			2	FLINT	48502
LG07443	2/2/2016	Lead	2	Copper	50				FLINT	48503
LG07446	2/2/2016	Lead	2	Copper	80				FLINT	48503
LG07447	2/2/2016	Lead	2	Copper	0				FLINT	48503
LG07449	2/2/2016	Lead	2	Copper	0				FLINT	48506
LG07465	2/2/2016	Lead	2	Copper	210				FLINT	48504
LG07472	2/2/2016	Lead	2	Copper	0				FLINT	48503
LG07489	2/2/2016	Lead	2	Copper	80				FLINT	48503
LG07502	2/2/2016	Lead	2	Copper	0				FLINT	48507
LG07508	2/2/2016	Lead	2	Copper	0				FLINT	48503
LG07510	2/2/2016	Lead	2	Copper	0				FLINT	48504
LG07522	2/2/2016	Lead	2	Copper	50				FLINT	48503
LG07536	2/2/2016	Lead	2	Copper	90				FLINT	48505

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	Street Name	City	Zip Code
LG07555	2/2/2016	Lead	2	Copper	0		FLINT	48504
LG07573	2/2/2016	Lead	2	Copper	120		FLINT	48507
LG07579	2/2/2016	Lead	2	Copper	50		FLINT	48506
LG07581	2/2/2016	Lead	2	Copper	200		FLINT	48505
LG07599	2/2/2016	Lead	2	Copper	60		FLINT	48506
LG07603	2/2/2016	Lead	2	Copper	0		FLINT	48506
LG07611	2/2/2016	Lead	2	Copper	0		FLINT	48503
LG07626	2/2/2016	Lead	2	Copper	60		FLINT	48503
LG07627	2/2/2016	Lead	2	Copper	0		FLINT	48503
LG07637	2/2/2016	Lead	2	Copper	60		FLINT	
LG07645	2/2/2016	Lead	2	Copper	100		FLINT	48503
LG07646	2/2/2016	Lead	2	Copper	0		FLINT	48503
LG07668	2/2/2016	Lead	2	Copper	0		FLINT	48503
LG07678	2/2/2016	Lead	2	Copper	60		FLINT	48504
LG07683	2/2/2016	Lead	2	Copper	70	APT B2	FLINT	48507
LG07687	2/2/2016	Lead	2	Copper	0		FLINT	48507
LG07689	2/2/2016	Lead	2	Copper	130		FLINT	48507
LG07704	2/2/2016	Lead	2	Copper	0		FLINT	48507
LG07707	2/2/2016	Lead	2	Copper	0		FLINT	
LG07714	2/2/2016	Lead	2	Copper	0		FLINT	48506
LG07719	2/2/2016	Lead	2	Copper	130		FLINT	48506
LG07720	2/2/2016	Lead	2	Copper	0		FLINT	48506
LG07737	2/2/2016	Lead	2	Copper	70		FLINT	48505
LG07755	2/2/2016	Lead	2	Copper	0		FLINT	48507
LG07762	2/2/2016	Lead	2	Copper	0		FLINT	48505
LG07763	2/2/2016	Lead	2	Copper	50	E	FLINT	48506
LG07773	2/2/2016	Lead	2	Copper	0		FLINT	48503
LG07774	2/2/2016	Lead	2	Copper	70		FLINT	48503
LG07776	2/2/2016	Lead	2	Copper	80		FLINT	48504
LG07778	2/2/2016	Lead	2	Copper	140		FLINT	48507
LG07799	2/2/2016	Lead	2	Copper	90		FLINT	48503
LG07811	2/2/2016	Lead	2	Copper	0		FLINT	48504
LG07812	2/2/2016	Lead	2	Copper	0		FLINT	48507
LG07813	2/2/2016	Lead	2	Copper	60		FLINT	48507
LG07840	2/2/2016	Lead	2	Copper	0	F	FLINT	
LG07848	2/2/2016	Lead	2	Copper	50		FLINT	48506
LG07874	2/2/2016	Lead	2	Copper	130		FLINT	48503
LG07880	2/2/2016	Lead	2	Copper	60		FLINT	48505
LG07888	2/2/2016	Lead	2	Copper	160	LVD	FLINT	48505
LG07889	2/2/2016	Lead	2	Copper	0		FLINT	48504
LG07890	2/2/2016	Lead	2	Copper	0		FLINT	48506
LG07893	2/2/2016	Lead	2	Copper	0	1	FLINT	48507
LG07899	2/2/2016	Lead	2	Copper	0		FLINT	48504
LG07911	2/2/2016	Lead	2	Copper	330		FLINT	48505
LG07915	2/2/2016	Lead	2	Copper	190	E	FLINT	48507
LG07919	2/2/2016	Lead	2	Copper	0		FLINT	48503
LG07927	2/2/2016	Lead	2	Copper	70		FLINT	48505
LG07945	2/2/2016	Lead	2	Copper	0		FLINT	48505
LG07946	2/2/2016	Lead	2	Copper	170		FLINT	48505
LG07962	2/2/2016	Lead	2	Copper	0	)	FLINT	48504
LG07968	2/2/2016	Lead	2	Copper	140	(	FLINT	48532
LG07979	2/2/2016	Lead	2	Copper	0		FLINT	48503
LG08292	2/3/2016	Lead	2	Copper	170	OOR	FLINT	48502
LG08297	2/3/2016	Lead	2	Copper	70		FLINT	48506
LG08299	2/3/2016	Lead	2	Copper	0	/	FLINT	48503
LG08308	2/3/2016	Lead	2	Copper	0		FLINT	48506
LG08333	2/3/2016	Lead	2	Copper	0		FLINT	48507
LG08349	2/3/2016	Lead	2	Copper	0		FLINT	48507
LG08351	2/3/2016	Lead	2	Copper	0		FLINT	48503
LG08356	2/3/2016	Lead	2	Copper	50		FLINT	48507
LG08358	2/3/2016	Lead	2	Copper	90		FLINT	48507
LG08364	2/3/2016	Lead	2	Copper	110		FLINT	48507
LG08378	2/3/2016	Lead	2	Copper	100			
LG08390	2/3/2016	Lead	2	Copper	0		FLINT	48507
LG08412	2/3/2016	Lead	2	Copper	140		FLINT	48505
LG08413	2/3/2016	Lead	2	Copper	0		FLINT	48505
LG08421	2/3/2016	Lead	2	Copper	110		FLINT	
LG08422	2/3/2016	Lead	2	Copper	60		FLINT	48507
LG08429	2/3/2016	Lead	2	Copper	70		FLINT	48505
LG08433	2/3/2016	Lead	2	Copper	80		FLINT	48503
LG08443	2/3/2016	Lead	2	Copper	0		FLINT	48504
LG08455	2/3/2016	Lead	2	Copper	0		FLINT	48504
LG08465	2/3/2016	Lead	2	Copper	50		FLINT	48505
LG08467	2/3/2016	Lead	2	Copper	120		FLINT	48503
LG08468	2/3/2016	Lead	2	Copper	0		FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	St... #	Street Name	City	Zip Code
LG08470	2/3/2016	Lead	2	Copper	0			FLINT	48506
LG08476	2/3/2016	Lead	2	Copper	0			FLINT	48504
LG08480	2/3/2016	Lead	2	Copper	0			FLINT	48507
LG08495	2/3/2016	Lead	2	Copper	0			FLINT	48505
LG08498	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08508	2/3/2016	Lead	2	Copper	60			FLINT	48506
LG08513	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08523	2/3/2016	Lead	2	Copper	270			FLINT	48503
LG08529	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08534	2/3/2016	Lead	2	Copper	60			FLINT	48505
LG08547	2/3/2016	Lead	2	Copper	120			FLINT	48503
LG08566	2/3/2016	Lead	2	Copper	0			FLINT	48504
LG08576	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08592	2/3/2016	Lead	2	Copper	0			FLINT	48507
LG08596	2/3/2016	Lead	2	Copper	0			FLINT	48505
LG08613	2/3/2016	Lead	2	Copper	70			FLINT	48505
LG08614	2/3/2016	Lead	2	Copper	60			FLINT	48503
LG08625	2/3/2016	Lead	2	Copper	60			FLINT	48506
LG08638	2/3/2016	Lead	2	Copper	0			FLINT	48504
LG08641	2/3/2016	Lead	2	Copper	50			FLINT	
LG08645	2/3/2016	Lead	2	Copper	70			FLINT	
LG08659	2/3/2016	Lead	2	Copper	0			FLINT	48506
LG08680	2/3/2016	Lead	2	Copper	110			FLINT	48504
LG08699	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08702	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08707	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08713	2/3/2016	Lead	2	Copper	250			FLINT	48506
LG08722	2/3/2016	Lead	2	Copper	210			FLINT	48507
LG08748	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08755	2/3/2016	Lead	2	Copper	80			FLINT	48503
LG08759	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08764	2/3/2016	Lead	2	Copper	0			FLINT	48504
LG08796	2/3/2016	Lead	2	Copper	60			FLINT	48506
LG08798	2/3/2016	Lead	2	Copper	0			FLINT	48505
LG08800	2/3/2016	Lead	2	Copper	0			FLINT	48503
LG08801	2/3/2016	Lead	2	Copper	250			FLINT	48503
LG09064	2/4/2016	Lead	2	Copper	0		VE	FLINT	48503-2719
LG09066	2/4/2016	Lead	2	Copper	120			FLINT	48504
LG09081	2/4/2016	Lead	2	Copper	0			FLINT	48503
LG09085	2/4/2016	Lead	2	Copper	280			FLINT	48506
LG09086	2/4/2016	Lead	2	Copper	0			FLINT	48507
LG09089	2/4/2016	Lead	2	Copper	0			FLINT	48505
LG09091	2/4/2016	Lead	2	Copper	50			FLINT	48507
LG09092	2/4/2016	Lead	2	Copper	70			FLINT	48507
LG09130	2/4/2016	Lead	2	Copper	0				
LG09132	2/4/2016	Lead	2	Copper	0			BURTON	48519
LG09136	2/4/2016	Lead	2	Copper	0			FLINT	48503
LG09141	2/4/2016	Lead	2	Copper	0			FLINT	48503
LG09144	2/4/2016	Lead	2	Copper	0			FLINT	48504
LG09145	2/4/2016	Lead	2	Copper	80			FLINT	48504
LG09147	2/4/2016	Lead	2	Copper	0			FLINT	48503
LG09153	2/4/2016	Lead	2	Copper	0			FLINT	48504
LG09160	2/4/2016	Lead	2	Copper	70			FLINT	48503
LG09181	2/4/2016	Lead	2	Copper	280			FLINT	48503
LG09208	2/4/2016	Lead	2	Copper	0			FLINT	48505
LG09221	2/4/2016	Lead	2	Copper	50			FLINT	48504
LG09224	2/4/2016	Lead	2	Copper	0			FLINT	48504
LG09227	2/4/2016	Lead	2	Copper	150			FLINT	48504
LG09242	2/4/2016	Lead	2	Copper	60			FLINT	48503
LG09251	2/4/2016	Lead	2	Copper	0			FLINT	48532
LG09287	2/4/2016	Lead	2	Copper	0			FLINT	48504
LG09288	2/4/2016	Lead	2	Copper	0			FLINT	
LG09292	2/4/2016	Lead	2	Copper	0			FLINT	48507
LG09295	2/4/2016	Lead	2	Copper	0			FLINT	48507
LG09301	2/4/2016	Lead	2	Copper	60			FLINT	48503
LG09309	2/4/2016	Lead	2	Copper	70			FLINT	48505
LG09315	2/4/2016	Lead	2	Copper	0			FLINT	48506
LG09325	2/4/2016	Lead	2	Copper	140			FLINT	48506
LG09330	2/4/2016	Lead	2	Copper	0			FLINT	48505
LG09355	2/4/2016	Lead	2	Copper	0			FLINT	48503
LG09361	2/4/2016	Lead	2	Copper	0			FLINT	
LG09372	2/4/2016	Lead	2	Copper	0			FLINT	48506
LG09377	2/4/2016	Lead	2	Copper	0			FLINT	48507
LG09407	2/4/2016	Lead	2	Copper	0			FLINT	48506

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[redacted]	Street Name	City	Zip Code
LG09427	2/4/2016	Lead	2	Copper	130			FLINT	48503
LG09430	2/4/2016	Lead	2	Copper	0			FLINT	48503
LG09480	2/4/2016	Lead	2	Copper	150			FLINT	48504
LG09648	2/5/2016	Lead	2	Copper	0			FLINT	48503
LG09655	2/5/2016	Lead	2	Copper	0			FLINT	48504
LG09660	2/5/2016	Lead	2	Copper	0			FLINT	48505
LG09662	2/5/2016	Lead	2	Copper	200			FLINT	48503
LG09664	2/5/2016	Lead	2	Copper	0			FLINT	48503
LG09690	2/5/2016	Lead	2	Copper	0			FLINT	48507
LG09692	2/5/2016	Lead	2	Copper	120			FLINT	48507
LG09714	2/5/2016	Lead	2	Copper	160			FLINT	48503
LG09718	2/5/2016	Lead	2	Copper	80			FLINT	48503
LG09724	2/5/2016	Lead	2	Copper	120			FLINT	48503
LG09731	2/5/2016	Lead	2	Copper	100			FLINT	48503
LG09733	2/5/2016	Lead	2	Copper	120			FLINT	48505
LG09735	2/5/2016	Lead	2	Copper	60			FLINT	48504
LG09739	2/5/2016	Lead	2	Copper	70			FLINT	48503
LG09760	2/5/2016	Lead	2	Copper	0			FLINT	
LG09782	2/5/2016	Lead	2	Copper	0			FLINT	48503
LG09799	2/5/2016	Lead	2	Copper	70			FLINT	48504
LG09808	2/5/2016	Lead	2	Copper	530			FLINT	48506
LG09814	2/5/2016	Lead	2	Copper	70			FLINT	48506
LG09837	2/5/2016	Lead	2	Copper	0			FLINT	48505
LG09843	2/5/2016	Lead	2	Copper	70			FLINT	48532
LG09848	2/5/2016	Lead	2	Copper	70			FLINT	48503
LG09875	2/5/2016	Lead	2	Copper	70			FLINT	48503
LG09877	2/5/2016	Lead	2	Copper	180			FLINT	48503
LG09881	2/5/2016	Lead	2	Copper	0			FLINT	48506
LG09884	2/5/2016	Lead	2	Copper	0			FLINT	48504
LG09887	2/5/2016	Lead	2	Copper	0			FLINT	48507
LG09891	2/5/2016	Lead	2	Copper	0			FLINT	48504
LG09897	2/5/2016	Lead	2	Copper	0			FLINT	48506
LG09901	2/5/2016	Lead	2	Copper	230			FLINT	48503
LG09911	2/5/2016	Lead	2	Copper	0		[redacted]	FLINT	48504
LG09923	2/5/2016	Lead	2	Copper	100			FLINT	48503
LG09933	2/5/2016	Lead	2	Copper	0			FLINT	48503
LG09937	2/5/2016	Lead	2	Copper	120			FLINT	48503
LG09940	2/5/2016	Lead	2	Copper	60			FLINT	48505
LG09946	2/5/2016	Lead	2	Copper	0			FLINT	48506
LG09957	2/5/2016	Lead	2	Copper	0		D	FLINT	48503
LG09960	2/5/2016	Lead	2	Copper	0			FLINT	48504
LG09966	2/5/2016	Lead	2	Copper	0			FLINT	48506
LG09984	2/5/2016	Lead	2	Copper	100			FLINT	48505
LG09989	2/5/2016	Lead	2	Copper	0			FLINT	
LG09999	2/5/2016	Lead	2	Copper	0			FLINT	48506
LG10000	2/5/2016	Lead	2	Copper	120			FLINT	48505
LG10014	2/5/2016	Lead	2	Copper	270			FLINT	48504
LG10021	2/5/2016	Lead	2	Copper	0			FLINT	48503
LG10056	2/6/2016	Lead	2	Copper	0			FLINT	48503
LG10057	2/6/2016	Lead	2	Copper	0			FLINT	48503
LG10060	2/6/2016	Lead	2	Copper	0			FLINT	48504
LG10066	2/6/2016	Lead	2	Copper	130			FLINT	48506
LG10070	2/6/2016	Lead	2	Copper	160	[redacted]		FLINT	48506
LG10073	2/6/2016	Lead	2	Copper	70			FLINT	48503
LG10088	2/6/2016	Lead	2	Copper	0		E	FLINT	48506
LG10094	2/6/2016	Lead	2	Copper	0			FLINT	48505
LG10096	2/6/2016	Lead	2	Copper	0		26	FLINT	48506
LG10101	2/6/2016	Lead	2	Copper	140			FLINT	48503
LG10106	2/6/2016	Lead	2	Copper	50			FLINT	48506
LG10107	2/6/2016	Lead	2	Copper	70			FLINT	48506
LG10108	2/6/2016	Lead	2	Copper	60			FLINT	48503
LG10120	2/6/2016	Lead	2	Copper	60			FLINT	48504
LG10121	2/6/2016	Lead	2	Copper	180		#1	FLINT	
LG10135	2/6/2016	Lead	2	Copper	60			FLINT	48505
LG10138	2/6/2016	Lead	2	Copper	0			FLINT	48504
LG10149	2/6/2016	Lead	2	Copper	270			FLINT	48504-2844
LG10164	2/6/2016	Lead	2	Copper	60			FLINT	48503
LG10186	2/6/2016	Lead	2	Copper	0			FLINT	48503
LG10209	2/6/2016	Lead	2	Copper	80			FLINT	48507
LG10210	2/6/2016	Lead	2	Copper	0		76	FLINT	48507
LG10211	2/6/2016	Lead	2	Copper	180			FLINT	48503
LG10224	2/6/2016	Lead	2	Copper	50				
LG10241	2/6/2016	Lead	2	Copper	130			FLINT	
LG10267	2/6/2016	Lead	2	Copper	0			FLINT	48504

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible] #	[illegible] Street Name	City	Zip Code
LG10268	2/6/2016	Lead	2	Copper	150			FLINT	48503
LG10270	2/6/2016	Lead	2	Copper	0			FLINT	
LG10471	2/7/2016	Lead	2	Copper	0			FLINT	48503-2640
LG10475	2/7/2016	Lead	2	Copper	0			FLINT	48504
LG10486	2/7/2016	Lead	2	Copper	0			FLINT	48503
LG10494	2/7/2016	Lead	2	Copper	0			FLINT	
LG10496	2/7/2016	Lead	2	Copper	50			FLINT	48504
LG10530	2/7/2016	Lead	2	Copper	0				48507
LG10536	2/7/2016	Lead	2	Copper	50			FLINT	48507-1894
LG10540	2/7/2016	Lead	2	Copper	0			FLINT	
LG10541	2/7/2016	Lead	2	Copper	70			FLINT	48505
LG10552	2/7/2016	Lead	2	Copper	0			FLINT	48507
LG10563	2/7/2016	Lead	2	Copper	80			FLINT	48506
LG10567	2/7/2016	Lead	2	Copper	0			FLINT	48503
LG10585	2/7/2016	Lead	2	Copper	60			FLINT	48505
LG10594	2/7/2016	Lead	2	Copper	0			FLINT	
LG10605	2/7/2016	Lead	2	Copper	0			FLINT	48505
LF85285	9/29/2015	Lead	3	Copper	370			FLINT	48503
LF85288	9/29/2015	Lead	3	Copper	0			FLINT	48503
LF85614	9/30/2015	Lead	3	Copper	0			FLINT	48503
LF85857	10/1/2015	Lead	3	Copper	0			FLINT	48503
LF85930	10/2/2015	Lead	3	Copper	100			FLINT	48503
LF85938	10/2/2015	Lead	3	Copper	0			FLINT	48504
LF85952	10/2/2015	Lead	3	Copper	0		APT #1	FLINT	48503
LF86483	10/6/2015	Lead	3	Copper	0			FLINT	48503
LF86484	10/6/2015	Lead	3	Copper	0			FLINT	48503
LF86504	10/6/2015	Lead	3	Copper	120			FLINT	48507
LF86518	10/6/2015	Lead	3	Copper	60			FLINT	48504
LF86521	10/6/2015	Lead	3	Copper	0			FLINT	48503
LF87014	10/8/2015	Lead	3	Copper	0			FLINT	48503
LF87017	10/8/2015	Lead	3	Copper	370			FLINT	48507
LF87039	10/8/2015	Lead	3	Copper	150		E	FLINT	48503
LF87041	10/8/2015	Lead	3	Copper	0			FLINT	48503
LF87055	10/8/2015	Lead	3	Copper	60			FLINT	48506
LF87058	10/8/2015	Lead	3	Copper	0			FLINT	48503
LF87364	10/13/2015	Lead	3	Copper	0			FLINT	48506
LF87371	10/13/2015	Lead	3	Copper	160			FLINT	48503
LF87377	10/13/2015	Lead	3	Copper	0			FLINT	48503
LF87402	10/13/2015	Lead	3	Copper	180			FLINT	48504
LF87409	10/13/2015	Lead	3	Copper	0			FLINT	
LF87414	10/13/2015	Lead	3	Copper	110			FLINT	48503
LF87425	10/13/2015	Lead	3	Copper	420			FLINT	
LF87430	10/13/2015	Lead	3	Copper	190			FLINT	48504
LF87436	10/13/2015	Lead	3	Copper	120			FLINT	48503
LF87947	10/16/2015	Lead	3	Copper	80			FLINT	48503
LF88957	10/26/2015	Lead	3	Copper	80			FLINT	48507
LF88966	10/26/2015	Lead	3	Copper	100			FLINT	48505
LF90466	11/4/2015	Lead	3	Copper	0			FLINT	48504
LF91287	11/9/2015	Lead	3	Copper	0			FLINT	48505
LF92697	11/18/2015	Lead	3	Copper	230			FLINT	48507
LF92707	11/18/2015	Lead	3	Copper	90			FLINT	48506
LF92708	11/18/2015	Lead	3	Copper	60			FLINT	48503
LF92717	11/18/2015	Lead	3	Copper	90			FLINT	
LF92723	11/18/2015	Lead	3	Copper	60			FLINT	48504
LF93551	11/24/2015	Lead	3	Copper	70		(#2)	FLINT	48507
LF93557	11/24/2015	Lead	3	Copper	0			FLINT	48503
LF93579	11/24/2015	Lead	3	Copper	0			FLINT	48504
LF94264	12/2/2015	Lead	3	Copper	240			FLINT	48503
LF94266	12/2/2015	Lead	3	Copper	0			FLINT	48503
LF94273	12/2/2015	Lead	3	Copper	190			FLINT	48504
LF94292	12/2/2015	Lead	3	Copper	120			FLINT	48503
LF95913	12/10/2015	Lead	3	Copper	0			FLINT	48504
LF95924	12/10/2015	Lead	3	Copper	100			FLINT	48507
LF97317	12/18/2015	Lead	3	Copper	50			FLINT	48503
LF97329	12/18/2015	Lead	3	Copper	150			FLINT	48503
LF97334	12/18/2015	Lead	3	Copper	0			FLINT	48502
LF97918	12/29/2015	Lead	3	Copper	70			FLINT	
LF97925	12/29/2015	Lead	3	Copper	60			FLINT	
LF97939	12/29/2015	Lead	3	Copper	1,240		E B	FLINT	48503
LF97948	12/29/2015	Lead	3	Copper	170			FLINT	
LF97959	12/29/2015	Lead	3	Copper	460		E	FLINT	48503
LF97977	12/29/2015	Lead	3	Copper	0			FLINT	
LF97983	12/29/2015	Lead	3	Copper	0			FLINT	48503

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Sample Number	Date Submitted	Analysis (Lead)	Lead (ppb)	Analysis (Copper)	Copper (ppb)	[illegible]	Street Name	City	Zip Code
LF99148	1/7/2016	Lead	3	Copper	0			FLINT	
LF99184	1/7/2016	Lead	3	Copper	90		E	FLINT	
LF99891	1/15/2016	Lead	3	Copper	0			FLINT	48504
LF99920	1/15/2016	Lead	3	Copper	0				48506
LF99923	1/15/2016	Lead	3	Copper	0			FLINT	48505
LF99955	1/15/2016	Lead	3	Copper	250		CWY		
LF99976	1/15/2016	Lead	3	Copper	50			FLINT	48503
LF99984	1/15/2016	Lead	3	Copper	180			FLINT	48506
LF99998	1/15/2016	Lead	3	Copper	100			FLINT	
LF99999	1/15/2016	Lead	3	Copper	0				48505
LG00006	1/15/2016	Lead	3	Copper	0			FLINT	48505
LG00527	1/19/2016	Lead	3	Copper	100			FLINT	48503
LG00546	1/19/2016	Lead	3	Copper	70			FLINT	48503
LG00548	1/19/2016	Lead	3	Copper	170			FLINT	48503
LG00555	1/19/2016	Lead	3	Copper	0			FLINT	48506
LG00561	1/19/2016	Lead	3	Copper	80			FLINT	48506
LG00567	1/19/2016	Lead	3	Copper	0			FLINT	48504
LG00573	1/19/2016	Lead	3	Copper	0			FLINT	48505
LG00576	1/19/2016	Lead	3	Copper	0			FLINT	48506
LG00581	1/19/2016	Lead	3	Copper	0			FLINT	48504
LG00603	1/19/2016	Lead	3	Copper	0			FLINT	48505
LG00607	1/19/2016	Lead	3	Copper	240		IAD	FLINT	48506
LG00610	1/19/2016	Lead	3	Copper	0			FLINT	48504
LG00619	1/19/2016	Lead	3	Copper	0			FLINT	48507
LG00827	1/20/2016	Lead	3	Copper	0		A BLVD	FLINT	48505
LG00845	1/20/2016	Lead	3	Copper	0			FLINT	48506
LG00847	1/20/2016	Lead	3	Copper	0			FLINT	48506
LG00870	1/20/2016	Lead	3	Copper	90		E ST	FLINT	48502
LG00876	1/20/2016	Lead	3	Copper	100			FLINT	48504
LG00882	1/20/2016	Lead	3	Copper	0			FLINT	48503
LG00899	1/20/2016	Lead	3	Copper	100			FLINT	48506
LG00922	1/20/2016	Lead	3	Copper	70			FLINT	48503
LG00931	1/20/2016	Lead	3	Copper	0			FLINT	48506
LG00943	1/20/2016	Lead	3	Copper	50			FLINT	
LG00976	1/20/2016	Lead	3	Copper	60			FLINT	48507
LG00980	1/20/2016	Lead	3	Copper	180		DR	FLINT	48503
LG01008	1/20/2016	Lead	3	Copper	0				48503
LG01011	1/20/2016	Lead	3	Copper	0				
LG01180	1/21/2016	Lead	3	Copper	100			FLINT	48507
LG01214	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG01228	1/21/2016	Lead	3	Copper	0			FLINT	
LG01261	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG01266	1/21/2016	Lead	3	Copper	0			FLINT	48507
LG01297	1/21/2016	Lead	3	Copper	190			FLINT	48503
LG01315	1/21/2016	Lead	3	Copper	100			FLINT	
LG01321	1/21/2016	Lead	3	Copper	60			FLINT	48506
LG01324	1/21/2016	Lead	3	Copper	170			FLINT	48503
LG01325	1/21/2016	Lead	3	Copper	60			FLINT	48504
LG01332	1/21/2016	Lead	3	Copper	110		T	FLINT	48505
LG01342	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG01348	1/21/2016	Lead	3	Copper	60			FLINT	48503
LG01362	1/21/2016	Lead	3	Copper	0			FLINT	48504
LG01366	1/21/2016	Lead	3	Copper	0		E	FLINT	48506
LG01400	1/21/2016	Lead	3	Copper	170			FLINT	48503
LG01402	1/21/2016	Lead	3	Copper	100			FLINT	
LG01417	1/21/2016	Lead	3	Copper	80			FLINT	48507
LG01422	1/21/2016	Lead	3	Copper	140			FLINT	48507
LG01453	1/21/2016	Lead	3	Copper	170		E	FLINT	48503
LG01455	1/21/2016	Lead	3	Copper	90			FLINT	48504
LG01467	1/21/2016	Lead	3	Copper	60			FLINT	48506
LG01479	1/21/2016	Lead	3	Copper	0				48503
LG01495	1/21/2016	Lead	3	Copper	70			FLINT	48505
LG01540	1/21/2016	Lead	3	Copper	0			FLINT	48507
LG01543	1/21/2016	Lead	3	Copper	0			FLINT	48507
LG01546	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG01554	1/21/2016	Lead	3	Copper	0			FLINT	48503
LG01556	1/21/2016	Lead	3	Copper	0		T B	FLINT	48503
LG01558	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG01560	1/21/2016	Lead	3	Copper	0			FLINT	48504
LG01610	1/21/2016	Lead	3	Copper	210			FLINT	48503
LG01611	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG01629	1/21/2016	Lead	3	Copper	120			FLINT	48507
LG01641	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG01647	1/21/2016	Lead	3	Copper	0			FLINT	48506
LG01660	1/21/2016	Lead	3	Copper	100			FLINT	48503

SEOC language

We will be doing the restaurants along with our firms. We will be focus on high risk facilities first and then moving outward. This is an evaluation of how the firms have done in meeting the new requirements for using the wAter. A second task will be to pick up samples at the request of the firms.

Byron Beerbower, Compliance Manager, Michigan Department of Agriculture and Rural Development, Food and Dairy Division,

We will start going to the restaurants today. I believe it was 6 of the 14 were being assigned to restaurants today.

Sean P. Dunleavy, , Quality Assurance and Emergency Response Unit Manager, Food and Dairy Division, Michigan Department of Agriculture and Rural Development.

We had to work with the County Health Department to generate a workable list of restaurants to get to; we got that yesterday so we will be getting to those and prioritizing the restaurants in the most impacted areas first. Brad.

20160122 9:30 Report.

The two MDARD personnel requested by DEQ are reporting to the lab today.

We are working on inquiry that came through OPS regarding messages for what to do if you have pets. Existing documents on the flintwater website contain guidance; we are evaluating the need for a stand alone document.

Yesterday MDARD Food Program staff completed assessments of all 21 food businesses (including restaurants) that were located in the highest risk area. In addition, they have completed assessments at 34 food businesses in the medium risk area, and we have scheduled 28 appointments to collect water samples. No businesses have been shut down.

Filters for restaurants – challenges with this since there are many, many types of filters that vary considerably based on the differing types of equipment. In our site visit assessments we are looking at the plumbing system and talking with the businesses about water flow. The types of filters used by businesses, especially inside of pop or ice machines, are not going to be like what is being provided to homeowners for residential use. Some of the businesses we are visiting already have filters in place.

Having said that, I have some contacts given to me by MDCH that I will follow up on to see if we can provide more resources for food businesses.

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Resource Request/Task Assignment

MI-CIMS

Update Record

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Create PDF | Return to List

Request/Task Assignment

Tracking #:	Date/Time:	Last Update:	Incident Name:
SEOC - 9388996	01/21/2016 11:15:29	01/21/2016 11:46:57	2015-10-01-City of Flint-Water Contamination / Shortage

Request/Task Details

Mission Name

Flint City animal messaging

Detailed description

A number of societies/public have been asking about messaging for pets (that live in the Flint City water affected area). Could a message be sent through the JIC on what to do if you have pets?

Attachment Description

Originating Position:	Originator Name:	
SEOC OPS Operations Section Chief	Gabriel Covey	
Point of Contact:	**Point of Contact Number:**	
Gabriel Covey	5179275362	
Priority	**Date/Time Due:**	**Date/Time Complete:**
3-Routine (24 hrs.)	01/22/2016 11:18:00	
Status: Assigned	**Assigned To:**	
	SEOC OPS Health and Env MDARD	

Record History

View History

Comments

Add Comment

Position	Name	Phone	Date/Time	Comment

FEI Number	Firm Name	Address	City	County	Phone	Last Insp
3011234130	Aframes Ventures LLC	601 S Saginaw St Ste 204	Flint	Genesee	-	
3010710989	AFS IMPORTS & EXPORTS	4400 S Saginaw St Ste 1330	Flint		-	
3004671305	Airgas Great Lakes	G5075 N Dort Hwy	Flint		-	
3009327052	Airgas USA, LLC	G5075 N Dort Hwy	Flint		-	
3009095955	American Eagle Airlines Inc.	G-3425 W. Bristol Rd.	Flint	Genesee	810-234-87(	11/19/2013
1873030	American Red Cross Blood Services-Great Lakes Region	1401 S Grand Traverse St	Flint	Genesee	517-484-22:	11/26/2014
3009140153	Avflight Corporation	3375 W Bristol Rd	Flint	Genesee	810-235-06(	05/18/2015
3004922808	AVI Foodsystems, Inc.	902 E Hamilton Ave	Flint		-	
3004697026	AVI Foodsystems, Inc. Flint	5277 Exchange Dr	Flint	Genesee	-	03/04/2013
1813635	Balkan Baking Co	1325 W Dayton St	Flint	Genesee	810-235-34:	02/20/2014
3007517295	BAMS AFRICAN MARKET	10156 BALINGER STR	Flint		-	
3004302821	BAX Global Inc.	3501 W Bristol Rd	FLINT		-	

3005524146	Biomat USA, Inc.	4027 N Jennings Rd	Flint	Genesee	810-787-39[illegible] 08/16/2013
3011611235	Biomat USA, Inc.	2840 S Dort Hwy	Flint	Genesee	-
[redacted]					
3010247515	Candice Foods	6165 Taylor Dr	Flint		-
[redacted]					
1881327	Coca Cola Refreshments	2515 Lapeer Rd	Flint	Genesee	810-237-40[illegible] 08/01/2012
3004694743	Corrigan Moving Systems	4204 Holiday Dr	Flint		-
3004783968	Country Home Creations	G-5132 Richfield Road	Flint	Genesee	810-244-73[illegible] 03/07/2013
1831425	Dave'S Coffee Service Inc.	3222 S Dye Rd	Flint	Genesee	313-733-60[illegible] 08/14/2012
3009163333	Delta Airlines Inc.	G 3425 W Bristol Rd	Flint	Genesee	810-767-05[illegible] 11/15/2013
1823089	Donlan Fish & Seafoods, Inc.	3116 Corunna Rd	Flint	Genesee	810-233-76[illegible] 12/12/2013
1000518017	Dupont Street X-Ray - Greater Flint Imaging Center	1245 Dupont St	Flint	Genesee	810-239-57[illegible] 05/22/2001
3009999663	Durant Enterprises	2307 S Saginaw St	Flint		-
3004325611	Earthgrains Bakery Companies, Inc.	1356 W Hill Rd 1362	Flint		- 03/21/2014

3010769926	Envoy Air	G-3425 W Bristol Road	Flint			
3004349027	Estes Express Lines - Flint,MI	3318 Robert T Longway Blvd	Flint		-	
3004318745	FedEx Express - FNTA	4455 Linden Creek Pkwy	FLINT		-	
3004294239	Fedex Express FNTR	3095 W Bristol Rd	Flint		-	
3004330771	FedEx Freight East, Inc.	4007 W Bristol Rd	Flint		-	
3004330035	FedEx Ground - Flint - HD	4075 Pier North Blvd	Flint		-	
1818556	Flint Welding Supply Co.	2201 Branch Rd	Flint	Genesee	810-736-00[illegible]	02/12/2015
3004330582	FLT	1315 W Hill Rd	Flint		-	
3004028327	Frito -Lay Inc , Distribution center	6400 Taylor Dr	Flint	Genesee	810-233-57[illegible]	10/24/2013
3010972649	Green Valley Bio Naturals	1260 S Linden Rd	Flint		-	
3003891464	Health Care Solutions, Inc	4520 Linden Creek Pkwy Ste C	Flint	Genesee	810-732-6426	
3010073399	HORIZON PEARL CORP	6349 Covered Wagons Trl	Flint		-	
1000518135	Hurley Medical Center	1 Hurley Plz	Flint	Genesee	810-257-92[illegible]	09/10/2015
1824998	Hurley Medical Center IRB	1 Hurley Plz	Flint	Genesee	810-766-02[illegible]	08/21/2015
3008394045	Interstate Brands Corporation	3019 W Pasadena Ave	Flint		-	
3004393586	Ins Tea Company dba Moffett Food Service	145 W Lakeview Ave	Flint	Genesee	-	09/18/2014
[illegible]	[illegible]					
3011270539	Kearsley Community Schools	6161 Hopkins Rd	Flint		-	
3004335524	KRAFT FOODS GLOBAL, INC.	G5200 Clio Rd	FLINT		-	
3004402142	Krispy Kreme Doughnut Corporation	4415 Corunna Rd	Flint		-	
1000518540	Linden Road Imaging Center	1100 S Linden Rd	Flint	Genesee	810-732-91[illegible]	03/23/2015
2000043865	mandigo african market	2056 S. DORT HWY.	Flint		-	
3005427847	Marketplace Holdings LLC	4145 Market Pl	Flint		-	
1000518180	McLaren Imaging Flint Township	1314 S Linden Rd Ste B	Flint	Genesee	810-342-17[illegible]	05/19/2015
1000518213	Mclaren Women'S Center	G-1116 South Linden Road	Flint	Genesee	-	10/22/1998
3000209696	MDO Imaging Associates, Plc	2222 S Linden Rd Ste R	Flint	Genesee	810-733-04[illegible]	09/30/2009
3004339268	Menlo Worldwide Forwarding	G-3509 W. Bristol Road	Flint			
1811287	Midwest Wholesale Foods, Inc.	3301 S Dort Hwy	Flint	Genesee	810-744-22[illegible]	10/26/1994
3011220622	Millenium Storage	6246 N Genesee Rd	Flint		-	

1815310	Moffett Food Service	145 W Lakeview Ave	Flint	Genesee	810-238-78(	07/31/2012
3008298736	NuCO2 Supply LLC Flint, MI Depot	G-3071 W Pasadena Avenue	Flint		-	
1000518278	Park Plaza Radiology	G1071 N Ballenger Hwy	Flint	Genesee	810-235-06(	05/20/2015
1828323	Professional Dental Supply Co.	1602 W 3rd Ave	Flint	Genesee	313-767-56(	03/03/1988
3007920139	R & J Almonds, Inc.	G4254 Fenton Rd	Flint	Genesee	810-767-68(	10/23/2013
3005946886	R & J Almonds, Inc. DBA Jonny Almond Nut Co	3341 S Linden Rd	Flint	Genesee	810-744-27(	10/23/2013
1821882	Real Treat Popcorn Co.	431 Asylum St	Flint	Genesee	810-233-70(	08/27/2014
3010013241	Redwood Steakhouse and Brewery	5304 Gateway Ctr	Flint		-	
1000518061	Regional Medical Imaging	5059 Villa Linde Pkwy Ste 25	Flint	Genesee	810-732-88(	02/24/2015
1000518070	Regional Medical Imaging	2510 Nerredia St	Flint	Genesee	810-732-19(	05/11/2015
3001236052	Rhyee, James T.S.,M.D.	5039 Villa Linde Pkwy	Flint	Genesee	-	
3007936339	Robert Molnar, MD	G-5020 W Bristol Rd	Flint	Genesee	810-600-20(	01/21/2010
1000518246	Roentgen Associates, P.C.	G5067 West Bristol Road	Flint	Genesee	313-733-03(	05/11/2010
1000518352	Roentgen Associates, P.C.	1020 Professional Dr	Flint	Genesee	313-733-21(	04/09/1996
3004300291	Sam's Club 8291	4373 Corunna Rd	Flint		-	
3009982604	Simpson Delivery	A-1 Pack & Stack	Flint		-	
3009620588	S-L Distribution Company, Inc.	4101 W Pierson Rd	Flint		-	
3009846367	S-L Distribution Company, Inc.-My Space Self Storage	4101 W Pierson Rd	Flint		-	
3010132537	Southwest Airlines Ground Operations Flint	G 3425 West Bristol Rd<FNT>	Flint	Genesee	810-810-78(	03/25/2014
3004667081	Spring Mountain Water Co.	425 S Dort Hwy	Flint	Genesee	-	09/07/2012
3006367242	TGI Direct	5365 Hill 23 Dr	Flint	Genesee	810-239-5553	
3004339096	Tom Ryan Distributing Company, Inc.	3302 Kent St	Flint		-	
3004924479	United Parcel Service	4030 Market Pl	Flint		-	
3010610967	VFW Post 822	G5065 South Saginaw Street	Flint		-	
3009907109	Voortman Cookies Ltd.	620 Lochhead Ave	Flint		-	
1000518295	X-Ray Consultants, P.C.	2710 W Court St	Flint	Genesee	-	04/23/1996

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4268 Holiday Dr

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3004299622 Yellow Transportation FLT

Est/Ind	Op Stat Cd	Prog Risk ID	Last Inspection Documents	
Y-86, R-86, A-00	OPR		View Documents	no highlight- FDA ORADSS list, green- ITP, yellow- of concernt, blue from MDARD not in OEI
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
V-51	OPR		View Documents	
RC-57, DC-57	OPR	BH	View Documents	
				CBER request sent
V-51, K-51, U-51	OPR		View Documents	
				ITP- RB following up
	OPR		View Documents	
WZ-47, D-02	OPR	FNR1	View Documents	
M-03	OPR	F2, FA, FHR2	View Documents	
				FDA called
	OPR		View Documents	
	OPR		View Documents	
				ITP- RB following up

3-57	OPR	BH	View Documents	
3-57	OPR	BH	View Documents	plasmopherisis
				plasmopherisis
				MDARD firm not in OEI (requested more info)
	OPR		View Documents	MDARD firm not in OEI (requested more info)
WA-41, WA-47, WA-29	OPR	A2, FNR1	View Documents	MDARD firm not in OEI (requested more info)
	OPR		View Documents	
M-28	OPR	F2, FHR2	View Documents	
W-47, WA-47	OPR	A2, FNR1	View Documents	FDA call/ MDARD visit
V-51, U-51	OPR		View Documents	ITP- RB following up
M-16, WR-16, WZ-16, WZ-07, W-16, WF-16	OPR	FH, FHR2	View Documents	
E-90	OPR		View Documents	FDA called- using water
	OPR		View Documents	
W-03, WA-47	OPR	A2, FNR1	View Documents	

[redacted]	OPR	[redacted]	View Documents	ITP- RB following up
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
R-64, MG-60, MG-64, M-55	OPR		View Documents	
	OPR		View Documents	
M-03, WA-07, WA-47	OPR	F2, FHR2	View Documents	FDA called
	OPR		View Documents	
MG-60	OPR		View Documents	
	OPR		View Documents	
E-90	OPR		View Documents	mammography
8-60, 8-57, 8-66	OPR		View Documents	
	OPR		View Documents	
W-31, WR-09, WR-16, WR-47, WA-47	OPR	A2	View Documents	
				MDARD firm not in OEI (requested more info)
				MDARD firm not in OEI (requested more info)
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
E-90	OPR		View Documents	
	SEA		View Documents	
	SEA		View Documents	
E-90	OPR		View Documents	
E-90	OPR		View Documents	
E-90	OPR		View Documents	
[redacted]	OPR	[redacted]	View Documents	ITP- RB following up
W-47	OPR	A2, FNR1	View Documents	
	OPR		View Documents	

W-47, WA-47	OPR	A2, FNR1	View Documents	
	OPR		View Documents	
E-90	OPR		View Documents	
I-94	OPR		View Documents	
M-23	OPR	9M, F0, F1, F2, FA, FHR2	View Documents	
				FDA called
M-23	OPR	F0, F1, F2, FHR2	View Documents	FDA called
WA-47, M-07	OPR	F1, F2, FNR1	View Documents	FDA called
	OPR		View Documents	
E-90	OPR		View Documents	
E-90	OPR		View Documents	
T-60	OPR		View Documents	
7-74	OPR		View Documents	
E-90	OPR		View Documents	
E-90	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
V-51, K-51, U-51	OPR		View Documents	ITP- RB following up
WR-29, M-29	OPR	A2, FNR1	View Documents	FDA called
M-74	OPR		View Documents	
				from MDARD list
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
	OPR		View Documents	
E-90	OPR		View Documents	

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OPR

Requirements for Licensed Food Establishments Using City of Flint Water

January 13, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

- The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test." Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 a.m. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612.
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-3939.

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. Then flush other equipment such as pop machines for at least 1-2 minutes.
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
- Use cold water and store it for immediate consumption.
- Always use cold water for drinking, cooking and cleaning/rinsing food.
- *Hot water must be used for dishwashing.*

Other equipment that may use city water:

- Ice machines – Install a water filter on the supply line or use bagged ice in drinking water.
- Pop machines – Flush for 1 minute daily or use bottled beverages.
- Coffee machines or Tea Urns – Flush for 1-2 minutes daily or use filtered water. These products may be very low risk as young children under 6 are not likely to consume these.
- Slush machines – Use filtered water.
- Spray misters – Flush for 1-2 minutes daily or use filtered water.

A licensed plumber can check your plumbing and service lines for lead soldering or lead service lines.

MDHHS Michigan Department of Health & Human Services

DEQ

Michigan Department of Agriculture & Rural Development

MDARD Food and Dairy Division
Flint Water Emergency Response

Instructions for Food and Dairy staff assisting with food establishment water sample collection

- While collecting samples or conducting inspections or audits in the City of Flint, Genesee County or throughout the state, you may be asked questions about the Flint water emergency response.

- Flint water emergency response is being coordinated by the State of Michigan in partnership with the City of Flint, Genesee County and local community organizations to provide a full set of water resources to the residents of Flint.

- Any media questions regarding Flint's drinking water or the state's emergency efforts should be referred to the Joint Information Center (JIC) Media Hotline at 888-363-8632.

- Any questions from food establishments or the general public should be directed to www.michigan.gov/flintwater for more information. **Residents of Flint** who need assistance can call 2-1-1.

- The MDARD call center (800-292-3939) is taking calls from food establishments requesting a water test. The call center is collecting contact information and other details from the food establishment.

- The information will be used to schedule water sampling appointments for food inspectors.

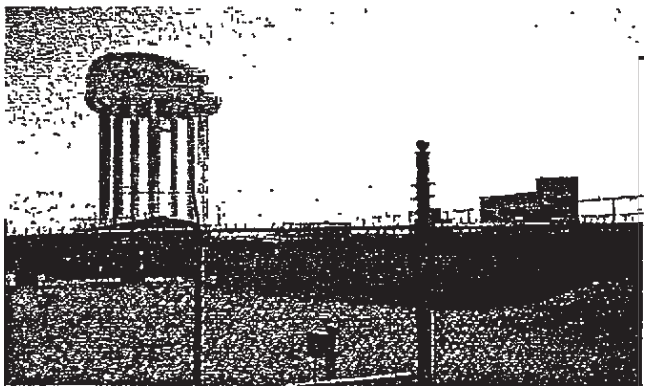
- If you have questions about the collection procedure, please contact your regional supervisor. If you have questions about your sample collection appointments, please contact Denise Clemens, Food Program Secretary at 517-284-5709 or via e-mail at ClemensD@michigan.gov.

1. Incident Name: 2015-10-01 City of Flint-Water Contamination/Shortage	2. Operational Period to be covered by IAP (Date / Time): From: 01/19/2016 08:00:00 To: 01/26/2016 08:00:00	IAP Cover Sheet

3. Approved by:

FOSC:	
SOSC:	F/Lt. Gabe Covey
RPIC:	
State SEOC Director	Capt. Chris Kelenske

Incident Action Plan



4. Prepared by: Amanda Bresler Date / Time: 01/18/2016 17:21:00

Incident

1. Incident name: 2015-10-01 City of Flint-Water Contamination/Shortage
2. Operational Period from: 01/19/2016 08:00:00to: 01/26/2016 08:00:00

3. Objective(s)

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities.
3. Improve and maintain public information strategy and process.
4. Develop a long term public health and services plan.
5. Ensure adequate staffing to support operational requirements.
6. Identify possible assistance programs.
7 Maintain GIS strategy.
8. Maintain coordination between partner agencies and organizations to include FEMA IMAT.
9. Enhance situational awareness and common operating picture of all activities.
10. Develop a comprehensive Recovery Plan.

4. Operational Period Command Emphasis:

1. Provide regular local and technical briefings
2. Identify life safety issues.
3. Identify priorities.
4. Provide policy direction by observance of SEOC SOPs.
5. Seek technical guidance from relevant federal agencies.
6. Provide regular legislative/congressional briefings.

General Situational Awareness:

By early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer.

On October 1, 2015 the Genesee County Health Department declared a Public Health Emergency due to the elevated blood lead levels in citizens. In response to this the City of Flint declared a local State of Emergency on December 15, 2015 and activated their Emergency Operations Center.

To mitigate the effects of the new source of water on the infrastructure in the City of Flint, the city switched back to DWSD water on October 16, 2015. Funding to reconnect to DWSD was provided from the City of Flint, the Charles Stewart Mott Foundation, and the State of Michigan. Water is now treated with a supplemental phosphate addition to rebuild the protective layer in the distribution system and reduce the leaching of lead into the water supply.

For the mitigation of negative health effects, over 24,000 water filters and replacement cartridges have been distributed to residents in the City of Flint. Approximately 13,000 water filters, water pitchers and replacement cartridges were distributed by the Michigan Department of Health and Human Services (MDHHS) in the timeframe of October 1 to December 31, 2015 alone.

MDHHS has increased surveillance of blood lead levels in children and is addressing water issues in environmental investigations to identify lead sources in the environment of affected children and provide health education and information to residents, health care providers, and daycare/educational institutions.

Local nonprofit organizations have provided potable water to Flint residents. MSP/EMHSD GIS staff is supporting county and local GIS staff by consolidating data from local sources into comprehensive databases and providing mapping services to support incident analysis and forecasting. Data and maps regarding the location of water pipes, affected schools, filter distribution locations, water monitoring results, and predictive blood lead levels for affected areas will be made available with demographics.
Before December 16, 2015, $9.35 million was provided by the State of Michigan and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While the source water has been switched back to DWSD, water in the City of Flint is still not safe to drink, unless specifically filtered.

5. Site Safety Plan Required?

Yes ☐ No ☑

Approved Site Safety Plan(s) Located at:

6. Incident Action Plan (the items checked below are included in this Incident Action Plan):

☑ ICS 202	☑ ICS 206
☑ ICS 203	☑ ICS 207
☑ ICS 204	☑ ICS 208
☑ ICS 205	☑ Map/Chart
☑ ICS 205A	☐ Weather Forecast/Tides/Currents

7. Prepared by Documentation/Situation Unit

Name: Zachary Baker

8. Approved by (Incident Commander)

Name: Capt. Chris Kelenske

Date/Time: 01/18/2016 17:21:17

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1. Incident Name 2015-10-01 City of Flint-Water Contamination/Shortage	
2. Operational Period from: 01/19/2016 08:00:00 to: 01/26/2016 08:00:00	
3. Incident Commander(s) and Command Staff:	
Position	Name
State Director EM	Capt. Chris Kelenske
PIO	Nicole Lisabeth [illegible]10, Jane Yount (JIC Support)
Attorney General	Peter Manning
Executive Support	
Governor's Office	
Health Physicist	
Legislature	
Supreme Court	
Technical Support	
4. Liaisons:	
Agency/Organization	Name
Officer	
DC Cook Utility	
DHS	
Disability/Functional Needs	
EPA	
Federal Agency	
FEMA	David Samniego, Earl Zuelke, Jason Gamble
Fermi 2 Utility	
MIOC	
NWS	Jim Maczko
Palisades	
Private Sector	
Tribal Government	
Utility	
5. Planning Section	
Section Chief	Amanda Bresler
Resources Unit	Pam Stroble/Sam Jonker-Burke
Situation Unit	Zach Baker
Documentation Unit	Zach Baker
Planning Support Staff	Tom Weber
6. Logistics Section	
Section Chief	Wendy Galbreath/Tonya Nobach/Penny Burger
Resource Support	
Supply Unit	
Facilities Unit	Jaclyn Barcroft
Facilities Unit GIS	James Tchorzynski
Facilities Unit IT	Trevor Hawks
DTMB	Jeannette Doll
EMAC	
MCSC	
MDMVA	24/7 JOC
MDNR	F/Lt Jen Wolf
MDOC	Brent Travelbee, Mike Farmer, Todd Bechler
MDOS	
MEDC	Lynn Feldpausch
MI Citizen Corps	
MSHDA	

Services	
Comm Unit	Jaclyn Barcroft
Comm Unit AuxComm MARS	
Comm Unit AuxComm RACES	John McDonough
Comm Unit Hotline Operator	
Comm Unit REP Plant Hotline	
Food Unit	Diane Laban
Medical/Counseling Unit	
Support Unit	
7. Operations Section	
Section Chief	F/Lt. Gabe Covey
Staging Branch Director	Carly Georgopoulos (Recovery), [illegible]12, Kristi Davis, Stacy Theis
Message Control	
Field	
Field Ops Support Branch	Lt. BJ Rosol [illegible]t. Mark Russo
Health and Environment	
Branch Director	Jennifer Lixey-Tem
MDARD	Brad Deacon, Kay Fritz
MDCH	Jennifer Lixey-Temi 51
MDEQ	F/Lt Jen Wolf, Lt. Steve Burton, Mitch Addleman
Human Services	
Branch Director	Richard Thelen
ARC	Paul Spatz, 3 Lauren Twoh
MDCR	Mark Bishop
MDHS	Brian W
MDOE	Louie Burgess and staff
MIVOAD	
MOSA	Steve Betterly
Public Safety	
Fire Marshal	
MDOC	Brent Travelbee
MSP	Insp. Matt Bolger, [illegible], F/Lt. Mike Johnson
Public Works and Engineering	
Branch Director	Under Health and Enviroment Branch
LARA	Karen Towne, Alisha Gensler, Tony Weber, Sean Haskin
MDOT	Eileen Phifer, [illegible]5 Connie Vallier
8. Finance Section	
Section Chief	Penny Burger, Nancy Downs, Kevin Jenness
Time Unit	
Procurement Unit	
Cost Unit	
Support Unit MDT	
Name:	Tom Weber
Position:	Planning Section Chief
Date/Time:	01/18/2016 18:47:56

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Incident	
1. Incident Name: 2015-10-01 City of Flint-Water Contamination/Shortage	2. Date and Time Prepared: 01/16/2016 11:18:30
3. Operation Period: 01/19/2016 08:00:00 to: 01/26/2016 08:00:00	

4. Basic Radio Channel Use

Zone Grp.	Channel	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	TX Tone/NAC	Mode (A, D, or M)	Remarks
C		Task Force A,B,C,D								
C		Fire Station #8								
C		Fire Station #6								
C		Fire Station #5								
C		Fire Station #3								
C		Fire Station #1								

5. Special Instructions:

6. Prepared by (Communications Unit):	
Name:	Tom Weber
Date/Time	01/16/2016 11:18:30

Incident
1. Incident Name: 2015-10-01 City of Flint-Water Contamination/Shortage
2. Operation Period from: 01/19/2016 08:00:00 to: 01/26/2016 08:00:00

3. Medical Aid Stations			
Name	Location	Contact Number(s)/Frequency	Paramedics on Site?

4. Transportation (Indicate air or ground):			
Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service

5. Hospitals							
Hospital Name	Address Latitude & Longitude If Helipad	Contact Number(s)/Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Grnd			

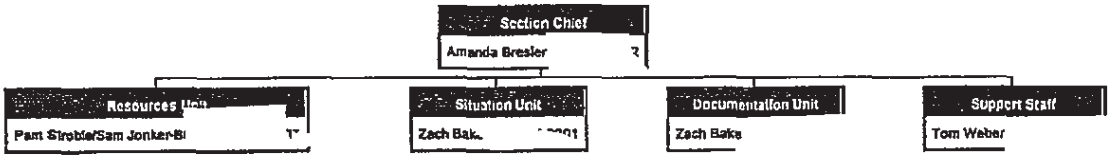
6. Special Medical Emergency Procedures
Five EMTs are deployed with the field teams.
☐ Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.

7. Prepared by (Medical Unit Leader):	8. Approved by (Safety Officer):	Date/Time: 01/16/2016 12:12:09

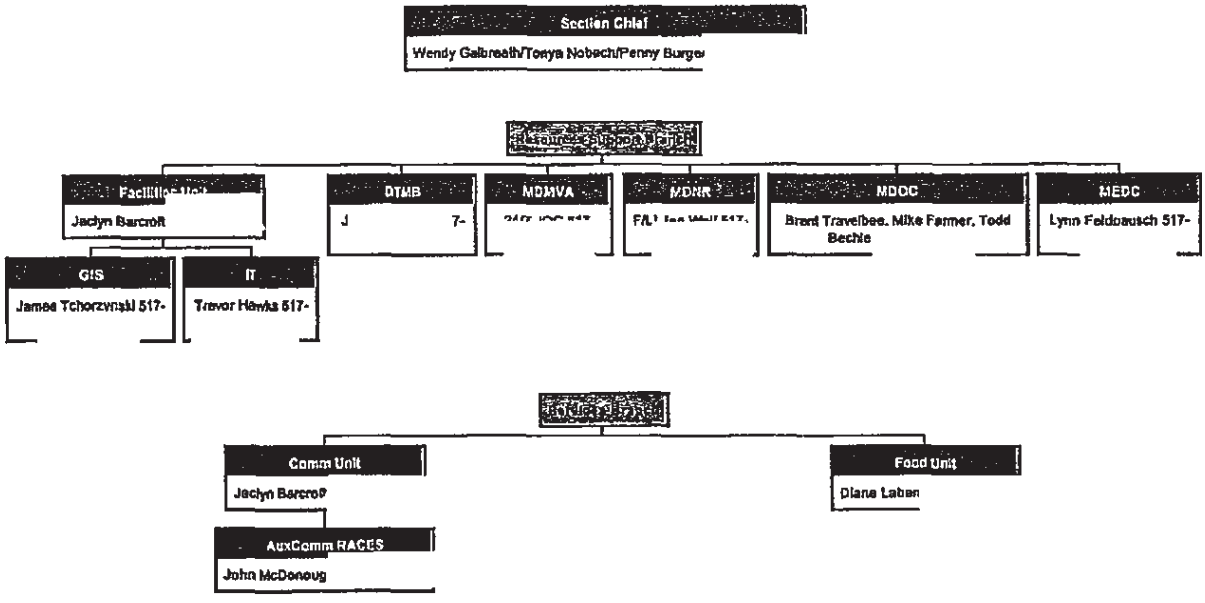
Incident Commander(s) and Command Staff

Liaisons

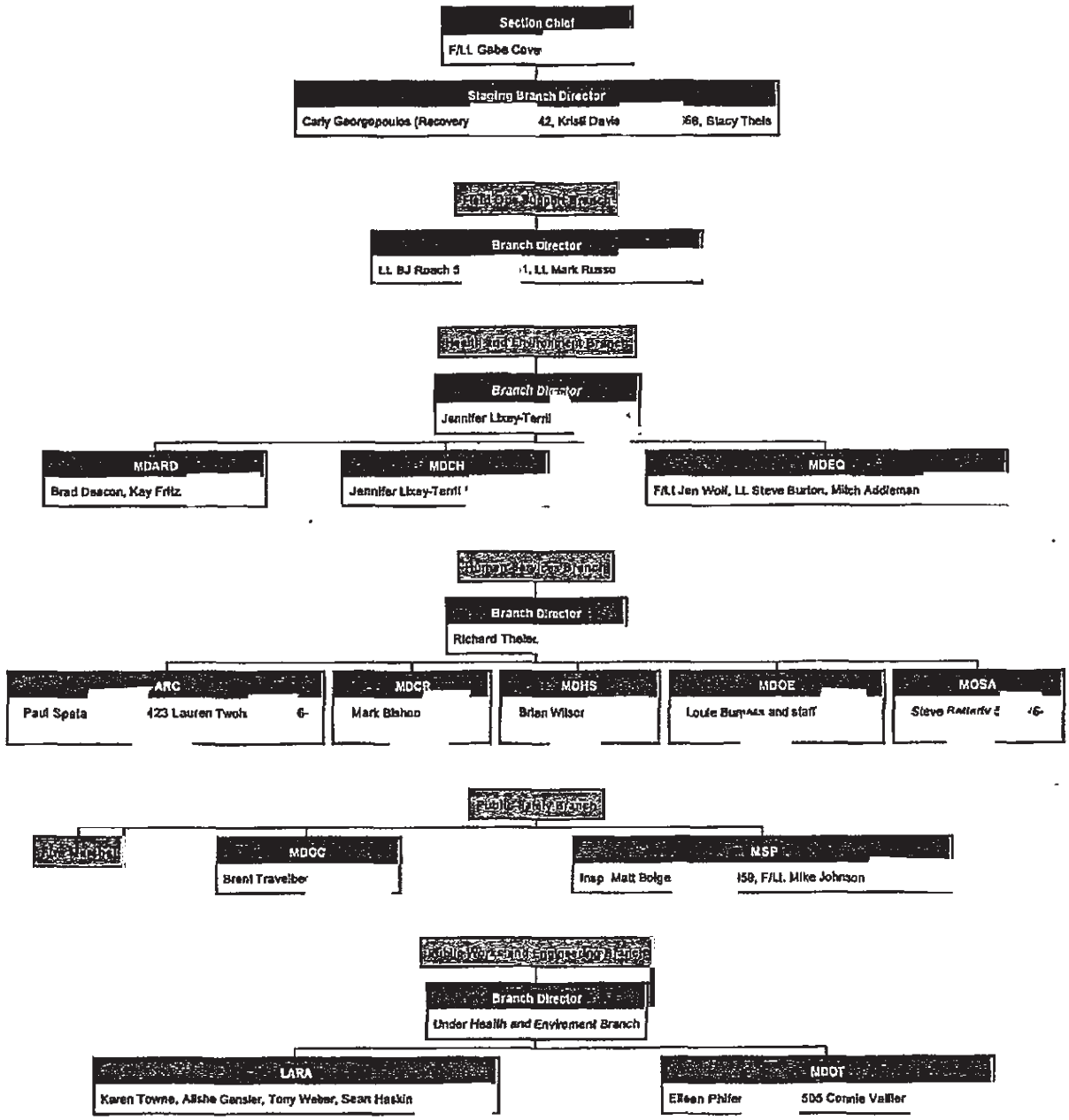
Planning Section



Logistics Section



Operations Section



Finance Section

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Division: Group: Staging Area:
Logisitcs Section (Obj. 1)-2015-10-01-City of Flint-Water Contamination/Shortage Objective: 1: Ensure all households within impacted community have required resources.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00.00	

4. Operations Personnel:	Name	Contact Number(s)
Logistics Section Chief:	Wendy Galbraith	517-333-7767
Branch Director:		
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
Clio Rd Warehouse	Shawn (ARC)	1		

6. Work Assignments:

Critical Task: Identify, staff, and maintain a local warehouse.

Task (ex.):
1. Facilitate coordination between warehouse staff and FEMA logistics.
2. Coordinate daily security of warehouse with DTMB. - In progress.
3. Ensure logistical needs for warehouse footprint and daily deliveries are aligned.
4. Continue to identify resource needs (fork lifts, pallet jacks, packing tape, scissors, etc.) for field teams and warehouse.

7. Special Instructions:

1. Ensure staff are properly trained and certified to operate equipment.
2. Create a Safety plan.
3. Site safety plan must be followed.
4. All injuries reported to Safety Officer
5. Create necessary forms for tracking items coming in and leaving the warehouse.
6. Create receipts for donated individuals.
7. Create daily inventory reports

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function		Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
Michelle Kuzera	/EMHSD-Local EOC	517-897-6009
Shawn	/American Red Cross Warhouse MGR	563-663-2672
	/	
	/	

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Human Services Division: Group: Staging Area:
Human Services Branch (Obj.1)-2015-10-01-City of Flint - Water Contamination/Shortage Objective: 1: Ensure all households within impacted community have required resources.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	F/Lt Gabe Covey	517-927-5362
Branch Director:	Richard Thelen	517-204-0661
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
GCCARD	Matt Persel			
GCCARD Receiving	Matt Odette			
4315 N. Clio Rd. Warehouse	Shawn- Amercian Red Cross			
Zero Water	Doug			

6. Work Assignments:

Critical Task: To coordinate resource gathering and volunteer/donations management process for the incident with the local POCs.

Tactics:
1. Monitor and ensure delivery of water filters and continue to procure additional sources of water, filters, and cartridges per resource requests and deliver to staging location. Closely monitor trigger levels, & receive FEMA approval through logistics for any purchases.(MDHHS)
2 Ensure staffing levels are continuously met for the Flint Water Response Teams by recruiting an adequate number of volunteers. (ARC, UW, MCSC)
3. Continue outreach to ALL school systems providing adequate approved health information and water supplies. (MDE)
4. Maintain awareness of projects and material going out, ensuring we are caring for all, including those who may have communication or logistic barriers.(MDCR & AAA)
5. Continue to implement ARC warehouse management and follow reporting schedule.(ARC)
6. Monitor long term distribution and warehousing strategy with logistics at the state & local EOCs. (ARC)

7. Special Instructions:

Additional Contacts
Paul Spata, American Red Cross, 517-282-9423
Lauren Twohig, American Red Cross Logistic Support, 202-316-3386

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function		Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
Brian Wilson	/Department of Human Services	
Mark Bishop	/Department of Civil Rights	
Louis Burgess	/Department of Education	

Steve Betterly	/Adult & Aging Services	517-896-0253	
9. Prepared by: Name: Richard Thelen	Position/Title: Human Services Branch Director	Date/Time: 01/18/2016 17:38:00	

Comments — Add Comments

Position	Name	Phone	Date/Time	Comment	Update
SEOC OPS Human Services MDHS	Richard Thelen	517-204-0661	01/17/2016 14:24:11	Provided FEMA OPs and Logs requested information on current water filtration device orders and inventories.	Update
SEOC OPS Human Services MDHS	Richard Thelen	517-204-0661	01/15/2016 12:04:17	Provided Branch response activities to OPs	Update
SEOC OPS Human Services MDHS	Richard Thelen	517-204-0661	01/13/2016 15:21:15	ARC warehouse management team in place. Transitioning to new location.	Update
SEOC OPS Human Services MDHS	Richard Thelen	517-204-0661	01/13/2016 15:19:34	System in place for elderly & disabled to receive water resources through 211 call. 211 to sheriff dept.	Update
SEOC OPS Human Services MDHS	Richard Thelen	517-204-0661	01/13/2016 15:17:47	18 MDHHS staff secured for 1/14 & 1/15	Update
Human Resource Branch Director	Richard Thelen		01/12/2016 17:37:17	Comments (from ln 204) Established an additional staff at 4 of 5, arranging for remaining. Two ARC staff assigned GCCARD for morning arrival. ARC logistics planner coming this afternoon.	Update
SEOC OPS Human Services MDHS	Richard Thelen	517-204-0661	01/12/2016 12:36:34	Established an additional staff at 4 of 5, stations, arranging for remaining. Two ARC staff assigned GCCARD for morning arrival. ARC logistics planner coming this afternoon.	Update

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Public Safety Division: National Guard Group: Staging Area:
National Guard- Public Safety Branch (Obj. 1)-2015-10-01-City of Flint-Water Contamination/Shortage Objective: 1:Ensure all households within impacted community have required resources.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	FALL Gabe Covey	517-927-5362
Branch Director:	JOC	517-481-8031
Division/Group Supervisor	LTC Ray Stemitz	517-256-6261

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
Water POD #1 (Station #1)	Cunningham, Mike SSG			
Water POD #2 (Station #3)	Griswold, Frederick, SSG			[redacted] Flint, 48504
Water POD #3 (Station #5)	Thorp, Allen, SSG			
Water POD #4 (Station #6)	Shirmer, David, SGT			[redacted] Flint
Water POD #5 (Station #8)	Rhoades, Daniel, SGT			1600
Local EOC Logistics	Roland, John, 1LT		517-[redacted]	1600
Resource Unit Lead	Benke, Zach, 2LT			

6. Work Assignments:

Critical Task: Disburse water to the impacted community through points of distribution. Hours of operation: 0900-2100

Tactics:
1. Identify and report resource shortfalls and limitations.
2. Coordinate redistribution of supplies per Logistic Support Plan.
3. Identify local EOC POC, PAO and provide contact information to EMHSD personnel at the local EOC daily.
4. Report inventory numbers to per Logistic Support Plan.
5. Report information to SEOC resource unit.

7. Special Instructions:

6 [redacted]
Admin and support personnel.

Contact numbers for each POD listed above is a government phone and will be staying at each POD even though teams will switch.

LNO will be on site at the local EOC daily. MING will be in the SEOC daily available at

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Primary Contact: Indicate cell, pager, or radio (frequency/system/channel)

9. Prepared by: Name: Stemitz, Raymond, LTC	Position/Title: Dpt Director OPS MIARNG	Date/Time: 01/16/2016 14:27:28

Comments

Add Comment

Person	Item	Action	Date/Time	Comment	Detail

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ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Public Safety Division: MSP Group: Staging Area:
MSP Public Safety Branch (Obj. 1)-2015-10-01-City of Flint-Water Contamination/Shortage Objective: 1: Ensure all households within impacted community have required resources.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	F/Lt. Gabe Covey	517-324-2328
Branch Director:	Lt. Mike Garland	517-574-9933
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
MSP EMC	Lt. Mike Garland (Tues)			
Officer in Charge	Lt. John Julin (Tues)			
Water Resource Training Lead	Carly Georgopoulos			
Local EOC Safety Officer	Lt. Amy Dehner (week)			
Office in Charge	F/Lt. Todd Mapes (Wed)			
Officer in Charge	F/Lt Shannon Sims (Thurs)			
Office in Charge	F/Lt. Dave Simon (Fri)			
MSP EMC	Insp. Bolger (Wed)			
MSP EMC	Lt. M. Horhn (Th,Fri,Sat)			

6. Work Assignments:

Critical Task: Assemble, coordinate, and monitor neighborhood canvassing teams.

Tactics:
1. Check in prior to deployment / Check out at conclusion of deployment.
2. Attend daily pre-deployment briefing.
3. Deploy to pre-identified locations.
4. Ensure safety of and security of team.
5. Deliver packaged resource to resident.
6. Collect data via app on smart device with all pertinent information.
7. Contact logistics for resupply when needed.
8. Work with the Recovery Unit to deliver nightly reports on team accomplishments to Planning Section by 6 pm.

7. Special Instructions:

Any safety information, report in requirements, information to share/not to share, etc.

A Flint Water Response Team consists of personnel, transportation (to designated assignment), truck / truck and trailer (17' or less), mobile device, identified team leader with contact information, resource package (from warehouse), and radio for communications for resupply.

State staff will be coordinated through the recovery and public safety branch. All other volunteers will be coordinated by the American Red Cross through the Volunteer Reception Center (VRC). Local MSP contact will coordinate with the VRC to fulfill missions.

The number of teams will vary from day to day for deployed during this operations period. The National Guard will be deploying teams with the assistance of MSP/County/and or locals. Additional details will be provided in the comment section daily.

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Primary Contact: Indicate cell, pager, or radio (*frequency/system/channel*)

Brian Wilson	/DHHS / / /	Cell - 555-555-5555	

9. Prepared by: Name: Brianna Briggs | Position/Title: Recovery Branch/Director | Date/Time: 01/12/2016 19:30:00

Comments — Add Comment

Position	Name	Phone	Date/Time	Comment	Type
SEOC OPS Recovery Branch Director	Brianna Briggs	517-230-2949	01/12/2016 10:57:24	sheet has been developed and printed for use in the field if software issues occur. Training was developed and conducted for the teams currently scheduled to be in the field Tuesday through Friday. MSP is currently developing a strategy for canvassing of the entire affected area. Teams were deployed into the field as of 1000 Tuesday, Jan 15. Weather conditions and media avail at GCCARD prevented start time at 0830. MSP continues to monitor any safety and security concerns for the teams. EM-HSD staff delivered the four vehicles being used for canvassing to the GCCARD facility on Monday, Jan 11. All related requests are currently being worked on and monitored by Recovery Branch staff. Additional requests are being considered in order to expand operations of the teams in the field. Training was conducted for the current teams. Daily deployment briefings will be conducted. The first briefing occurred Tuesday, Jan 12.	Update

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Division: Group: Staging Area:
Logistics Section (Obj. 2)-2015-10-01-City of Flint-Water Contamination/Shortage Objective: 2: Ensure accurate tracking and accounting of all commodities.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Logistics Section Chief:	Wendy Galbreath	517-333-7767
Branch Director:		
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
4315 N. Clio Rd. Warehouse	Shawn- American Red Cross			
Local EOC Donations Management	Ginna Holmes			
Order Unit Leader	Pam Strobel			

6. Work Assignments:

Critical Task: Coordinate the ordering, tracking, delivery, and inventory of resources to warehouse operations.

Tactics:
1. Implement the Logistic Support Plan. Ongoing
2. Facilitate coordination for purchases between SEOC logistics staff and FEMA logistics.
3. Implement and enhance inventory and tracking process. In process
4. Implement and enhance daily inventory reports through the ordering unit.
5. Continue to coordinate with public/private partners and local rep to maintain local donations management. (Managed by Ginna Holmes at the Michigan Community Services Commission)
6. Work with local EOC to coordinate hotshot and requests made by faith based organizations. - Ongoing.
7. Implement necessary resources to support local POD recycling plan.

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function		Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
Ginna Holmes	/MCSC	
Paul Spata	/ARC	
Pam Strobel	/Order Unit Leader	
	/	

9. Prepared by: Name: Wendy Galbreath	Position/Title: Logistics Section Chief	Date/Time: 01/12/2016 17:43:00

Comments
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ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Division: Group: Staging Area:
Planning Section (Obj. 2)-2015-10-01-City of Flint-Water Contamination/Shortage Objective: 2: Ensure accurate tracking and accounting of all commodities.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Planning Section Chief:	Amanda Bresler	517-324-2302
Branch Director:		
Division/Group Supervisor	Tom Weber	517-324-2302

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
Ordering Unit Lead	Pam Strobel			
Resource Unit Lead	Sam Jonker-Burke			
4315 Clio Rd. Warehouse	Shawn- American Red Cross			
Google Doc Tracking Sheet	Resource Unit			

6. Work Assignments:

Critical Task: Coordinate the tracking and inventory or resources on-scene and advise Logistics Section of needs.

Tactics:
1. Develop current situational awareness of inventory of on-scene resources.
2. Work with SEOC (logistics and ordering unit), warehouse staff, and local logistics to identify track daily commodities updates to the resource unit lead per the Logistic Support Plan.
3. Participate in daily distribution process conference call. (10:30 am and 7 pm).
4. Develop daily resource status report.

7. Special Instructions:

Coordinate with Logistics

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function		Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
Tom Weber	/Planning Section Chief	
Sam Jonker-Burke	/Resource Unit Lead	
	/	
	/	

9. Prepared by: Name: Zachary Baker	Position/Title: Documentation Unit Leader	Date/Time: 01/12/2016 19:18:00

Comments

SEOC PLN Planning Section Chief	Amanda Brester	01/18/2016 12:12:58	Worked with National Guard to streamline reporting process. Resource Unit is now receiving hourly spreadsheets from each of the RODs to track resource consumption.	Update
SEOC PLN Planning Section Chief	Tom Weber	01/18/2016 11:42:32	Distribution plan for statistics reporting did not get finalized. Resource Unit is still having issues receiving and processing data.	Update

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ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Division: Group: Staging Area:
Public Information (Obj.3)-2015-10-01-City of Flint-Water Contamination/Shortage Objective: 3: Improve and maintain public information strategy and process.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	F/Lt. Gabe Covey	517-927-5362
Branch Director:		
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e g , phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			

6. Work Assignments:

Task(s):
1. Continue regular communications between JIC and SEOC PIO via both phone and email to share information and receive updates.
2. Draft and update talking points daily and as soon as possible prior to media events.
3. Continue promotion of www.michigan.gov/flintwater through traditional and social media.
4. Obtain daily numbers at 5 p.m. from SEOC about ground efforts, including sites, teams, and number of homes. Publish with water activity map nightly.
5. Continue regular communications and information sharing with 211; ideally have a 211 rep in JIC whenever is possible.
6. Continue to establish improve communication with city and county PIOs.
7. Plan and conduct daily media avails and/or media interviews to provide information on ongoing actions.
8. Provide weekly JIC staffing schedule to SEOC PIO, Ops Chief and Planning.
9. Issue social media content across agency accounts to share new information.
10. Review and approve various stakeholder communications and other documents as they come in to the JIC for review.
11. Draft and issue news releases on water bottle recycling and donations.

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function		Primary Contact: Indicate cell, pager, or radio (frequency/system/channel)
Nicole Lisabeth	/JIC PIO Lead	
Jane Yount	/SEOC JIC Liaison	
	/	
	/	

9. Prepared by: Name: Zachary Baker	Position/Title: Documentation Unit	Date/Time: 01/12/2016 19:29:00

Comments

Add Comment

Position	Name	Date/Time	Comments	Type
JIC PIO Leader	Ron Lelx	01/12/2016 12:58:29	Tasks accomplished included: • Established contact with FEMA External Affairs. • Corrected inaccuracies in the media regarding the emergency declaration. • Helped arrange a legislative and congressional conference call to give updates on State and FEMA efforts. Provided talking points for Captain Kelensike for the legislative and congressional phone call. • Provided talking points for attendees on congressional/legislative call so they can share updates with their constituents. • Arranged a media availability at the Clio Road warehouse for media to have the opportunity to tour the warehouse to get photos and video of where water resources for Flint residents are being housed and distributed. Event attended by FAL Dave Kaiser, ARC warehouse manager, and Capt. Tafoya of GCSD. • Provided printed instructions to 211 for installing a water filter. • Created a section called Federal Declaration Requests on the Flint Water Website to house the emergency declaration and associated letters. • Updated the Lead in the Body FAQ/fact sheet on the website to focus more on lead in the water. • Established nightly activity numbers press release template. Issued first two nightly releases. • At the request of 211, arranged for a PIO from the Community Service Commission to be in the JIC this week. • Translated the palm card into Arabic.	Update

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Division: Group: Staging Area:
Health and Environment Branch (Obj. 4)-2015-10-01-City of Flint-Water Contamination/Shortage Objective: 4: Develop a long term public health and human services plan.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	F/Lt Gabe Covey	517-927-5362
Branch Director:	Jennifer Lixey	517-930-0671
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
CHECC Duty Officer				
Nutrition Plan Lead	Gloria Zunker			

6. Work Assignments:

Tactics:
1. MDHHS - Coordinate through the Community Health Emergency Coordination Center (CHECC) to identify priorities for long term public health planning and tactics.
2. MDHHS/CHECC - Coordinate with local health department to support as needed.
3. MDHHS/CHECC - Will communicate with the healthcare providers regarding blood testing.
4. MDHHS/CHECC - Continue to support local health with case management, as requested.
5. MDHHS/CHECC - Coordinate with MDARD, LARA, TED, MSP, and MDE on nutrition planning and communications to develop a long term strategy to provide assistance.
6. MDHHS/CHECC - Gather information for disaster behavioral health needs of the community and responders.
7. MDHHS - Order 10,000 EPA, nutritional pamphlets to be shipped to the Genesee County Health Department by end of the week. Determine the need for additional pamphlet (on going).
8. MDHHS/CHECC - Staff CHECC hotline Tuesday 1/19/2016 until mid-morning when LHD will assume responsibility to field questions transferred from 2-1-1. Staffing the hotline for the weekend is still TBD.
9.MDARD - Offer to conduct water sampling for all food establishments in the affected area. MDARD will send an individual to each businesses in the most impacted areas first, working to start scheduling visits.
10. MDARD - Participate and help coordinate long term nutrition by assisting in access to the food supply systems.

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function		Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
Jennifer Lixey Terrill	/DHHS-CH SEMC	
Gloria Zunker	/MDHHS CHECC	

9. Prepared by: Name: Zachary Baker | Position/Title: Documentation Unit | Date/Time: 01/12/2016 17:38:00

Comments — Add Comment

Function	Name	Role	Entered Date	Comment	Type
SEOC OPS Health and Env MDCH	Kathy Wahl	517	01/16/2016 09:27:51	Request has been sent to logistics to order the 10,000 EPA pamphlets for the GCHD.	Update
SEOC OPS Health and Env MDCH	Jennifer Lbey Terrill		01/16/2016 11:55:13	Maintaining communications and regular briefings with the CHECC leadership to determine, priorities, provide updates, and discuss daily activities. Nutrition planning lead has gathered information and begun developing a nutrition plan and communication strategy. CHECC has maintained regular communications with the local health department. Conference call was held with SAMHSA to discuss the application process for disaster behavioral health, and new resources were provided to the CHECC SME to continue gathering that information.	Update
SEOC OPS Public Works and Engineering LARA	Karen Towne		01/14/2016 14:25:33	LARA Bureau of Community and Health Services are contacting all licensed facilities to determine potential needs and actions facilities are taking. We have successfully reached out to every facility either directly or left messages. LARA will continue to monitor and assess all needs and actions.	Update
SEOC OPS Health and Env MDARD	Brad Deacon		01/16/2016 11:25:04	MDARD updated water use requirements for food establishments (processing, retail / convenience stores, and food service/restaurants; document with cover letter was sent to all licensed facilities via US Mail on Thursday including how to request MDARD staff to collect water samples. Internal training for phone staff to handle and assign these requests occurred Friday and training for field staff on how to conduct tests will occur 1/20.	Update
SEOC OPS Health and Env MDCH	Jennifer Lbey Terrill		01/14/2016 11:16:52	Maintaining communications and regular briefings with the CHECC leadership staff and section chiefs prior to each morning SEOC brief and after the 4pm SEOC briefing, to ensure coordination of health activities. Nutrition planning lead has been assigned to the Flint Nutrition Plan project. Key contacts from other State agencies have been identified and contacted to support the lead on this project. Regular communications continue with the local health department. Medscape/WebMD communication was provided to increase communication distribution of JIC approved messages to the healthcare community. Disaster behavioral health subject matter expert is now working out of the CHECC to begin gathering information for disaster behavioral health planning.	Update

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3.
Logistics Section (Obj.5)-City of Flint-Water Contamination/Shortage Objective: 5. Ensure adequate staffing to support operational requirements.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	Branch: Division: Group: Staging Area:

4. Operations Personnel:	Name	Contact Number(s)
Logistics Section Chief:	Wendy Galbreath	517-333-7757
Branch Director:		
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
Logistics Section Chief	Wendy Galbreath	1		Logistics Chief rotates, may not always be Wendy

6. Work Assignments:

Tactic(s):
1. Maintain staffing plan for operational period.
2. Maintain a SEOC staffing spreadsheet indicated required positions.
3. Poll Section Chief's for personnel available to work.
4. Notify selected staff of their assignments.
5. Send staffing spreadsheet to assigned personnel.
6. Create daily sign-in sheet for SEOC sign-in.
7. Maintain regular communication with local EOC to assess staffing needs.
6. Deploy state staff to local EOC, if needed.
8. Ensure all assigned staff check in and are tracked via MI CIMS.
9. Identify additional personnel and vehicles for future distribution efforts.

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function		Primary Contact: Indicate cell, pager, or radio (frequency/system/channel)
Wendy Galbreth	/Logistics Section Chief	517-
Penny Burger	/Finance Section Chief/Logistics Section Chief	
	/	
	/	

9. Prepared by: Name: Zachary Baker	Position/Title: Documentation Unit	Date/Time: 01/12/2016 17:47:00

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ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Recovery Division: Group: Staging Area:
Recovery Branch (Obj. 6)-City of Flint-Water Contamination/Shortage Objective: 6: Identify Possible Assistance Programs.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	F/Lt. Gabe Covey	517-927-5362
Branch Director:	Carly Georgopoulos	517-812-6542
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
MDARD	Brad Deacon			
TED	Lynne Feldpausch		5	
LARA	Alesha Gensler			
DEQ	Jen Wolf			
Education	Louis Burgess			
Aging	Steve Betterly			

6. Work Assignments:

Tactic(s):

1. Continued research being performed by identified state agencies.
2. EMHSD Recovery Branch will assist with questions as needed.
3. Coordinate with Federal Liaison.
4. Compile data as received.
5. Develop a report of possible assistance programs.

7. Special Instructions:

All programs have been given a deadline of COB Tuesday January 19, 2016.

Provide the following information, at a minimum, on potential assistance programs for individuals and/or government support in response to this incident:
- Program Name
- Agency Responsible for program
- Point of Contact
- Type of Support (Individual or Government)
- Eligibility Guidelines
- Benefits Available
- Application Process

This information shall be submitted to Brianna Briggs, the Recovery Branch Chief, at briggsb3@michigan.gov.

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
Brianna Briggs	/Recovery Branch Director
	/

9. Prepared by: Name: Zachary Baker	Position/Title: Documentation Unit	Date/Time: 01/12/2016 19:31:00

Comments — Add Comment

Position	Name	#	Date/Time	Comment	Type
SEOC OPS Recovery Branch Director	Brianna Briggs	51	01/19/2016 12:22:58	Reminder email sent with a due date of COB Tuesday, Jan 19. Data will be compiled and submitted to the Operations Section Chief during the next operational period.	Update
SEOC OPS EM-ISD Staff	Stacy Theis		01/16/2016 10:08:15	Received resource responses from TED, DEQ, Aging. Reminder email being sent with new deadline of COB Tuesday, January 19.	Update
SEOC OPS Recovery Branch Director	Brianna Briggs	9	01/12/2016 12:36:57	Information has been received from DEQ. Currently awaiting submission from other state agencies with a due date of Friday, Jan 15.	Update

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ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Division: Group: Staging Area:
GIS-Planning Section (Obj. 7)-City of Flint-Water Contamination/Shortage Objective: 7: Maintain the approved GIS Strategy.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Planning Section Chief:	Amanda Bresler	517-324-2302
Branch Director:		
Division/Group Supervisor	Jim Tchorzynski	

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, *Information*
Resource Identifier	Leader			
GIS Unit Leader	Jim Tchorzynski			

6. *Work Assignments:*

Tactics:
1. Identify critical needs for maps and overlays (ongoing). (GIS)
2. *Identify current and potential resources for data collection. (GIS)*
3. Continue to coordinate with identified agencies to obtain and centrally locate all data. (GIS)
4. Provide spatial analytics in support of SEOC. (GIS)
5. Coordinate with SME at UM-Flint regarding the digitization of City of Flint water infrastructure. (GIS)

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Primary Contact: Indicate cell, pager, or radio (frequency/system/channel)
James Tchorzynski	/GIS Branch Lead
	/
	/
	/

9. Prepared by: Name: Zachary Baker | Position/Title: Documentation Unit | Date/Time: 01/12/2016 19:22.00

Comments Add Comment

Log Of	Name	Branch	Date/Time	Comment	Action
SEOC LOG Resource Support Facilities Unit GIS	James Tchorzynski		01/17/2016 17:14:26	The major effort for the day was determining metrics for success regarding filter distributions. A method has been developed to tie back resource distributions to active water customers. As a result of this effort it was determined that of the 29,994 active water subscribers on the Flint Water System, 12,002 have been confirmed as having received filters (4623 of which were a result of SEOC driven operations that we began tracking on the 13th of January). There are a significant number of paper copies of records and database entries that need to be claimed that are not included in the above. Additionally, there are a significant number of persons who do not show in the records as having been a water subscriber that received a filter. We are actively working to synch up all of these datasets to get a more accurate picture	Update

				of who does and does not have filters. Another major focus was determining what map should be provided through the JIC to the media to update the public on the status of response efforts. It was determined that the point data from the dashboard is ideal to show progress. This has been established as a recurring task and the map will be produced daily by 1700. Maps produced today: • Flint Water Response Teams Planning Maps • Team Activities Map for JIC • City of Flint Infrastructure Map for FEMA Additionally, provided tabular data from Flint Water Response Team Activities for the Recovery Unit. No progress was made on the mapping of lead water service lines in the City of Flint.	
SEOC LOG Resource Support Facilities Unit GIS	Walter Chomentowski	3	01/16/2016 12:01:07	Tactic A: Updated vulnerable elderly population locations database. Made wall map for showing water filter distributions by the county and Flint Water Response Teams. Fulfilled MDARD request for address location of livestock farms using water supplied by the City of Flint. Additionally, work continued mapping lead service line locations. At this point we are 35% complete with the city (northern third). A service line data set from the City of Flint was geocoded to assist with lead service line location automation. Tactic B: Provide daily filter updates to ArcGIS Online Collector App to field teams and tracked resources and site visits and deployed 30 additional tablets for field teams today. 25 of the pads are operational with ArcGIS Online Collector App.We prepad the pads at the SEOC and sent them to the local EOC where SEOC GIS will train field staff. Updating EOC dashboards to *track metrics and track team locations and a POD distributions.* Tactic C: Complete. Tactic D: Current focus is to provide maps of field team progress and tables of POD metrics daily to staff for planning purposes. Matt McCormick was in Flint today to train field teams. We will initiate contact with DEQ to begin defining the flow of data from DEQ testing labs to map water test results Tactic E: No Update	Update
SEOC LOG Resource Support Facilities Unit GIS	James Tchorzynski	51	01/14/2016 16:49:09	Tactic A: Updated PODS and Elderly locations in ArcGIS Online. Made large wall map for Local presidential declaration document. Updated water services map to include customers outside of the Flint City boundary. Additionally, work continued mapping lead service line locations. At this point we are 30% complete with the city (NW Corner). Tactic B: Upgraded ArcGIS Online Collector App to field teams and tracked resources and site visits and deployed 30 additional tablets for field teams today. We will be formatting them at the SEOC and sending them to the local EOC where Flint GIS will conduct training with field staff. Also, updating EOC dashboards to track more detailed metrics and track team locations. Also, implementing a POD tracker for tomorrow that can be used to monitor distributions in real time. Tactic C: Complete. Tactic D: Current focus is optimizing the dashboards to include triggers that notify staff when inventory limits are exceeded to better manage the ordering process for new supplies. The *first phase is pushing out an app to POD staff controlling distributions to track their output in* real time. The second phase is implementing an inventory management tool that can be compared against the POD distribution data. James Tchorzynski was in Flint for half of the day observing POD distribution flows which will inform how POD inventory control and tracking will be implemented. We will initiate contact with DEQ to begin defining the flow of data from DEQ testing labs to map water test results Tactic E: No Update	Update
SEOC LOG Resource Support Facilities Unit GIS	James Tchorzynski		*01/13/2016* 15:04:58	*Tactic A: Updated PODS and Elderly locations in ArcGIS Online. Made large wall map for Local* EOC of PODS. Also made a franchise water customer map for MDHS. Additionally, work continued mapping lead service line locations. At this point we are 20% complete with the city (NW Corner). Tactic B: Upgraded ArcGIS Online Collector App to field teams and tracked resources and site visits and procured 30 additional tablets for tomorrows field teams. We will be formatting them at the SEOC and sending them to the local EOC where Flint GIS will conduct training with field staff. Also, updating EOC dashboards to track more detailed metrics and track team locations. Also, implementing a POD tracker for tomorrow that can be used to monitor distributions in real time. Tactic C: Complete. Tactic D: Current focus is optimizing the dashboards to include triggers that notify staff when inventory limits are exceeded to better manage the ordering process for new supplies. The first phase is pushing out an app to POD staff controlling distributions to track their output in real time. The second phase is *implementing an inventory management tool that* can be compared against the POD distribution data. Tactic E: No Update	Update
SEOC LOG Resource Support Facilities Unit GIS	James Tchorzynski	6	01/12/2016 15:50:01	Tactic A: Today we began migrating content to ArcGIS Online to streamline resource management operations. This includes a layer for water customers, updated filter locations, and PODS. Additionally, work continued mapping lead service line locations. At this point we are 10% complete with the city (NW Corner). Tactic B: Deployed ArcGIS Online Collector App to field teams and tracked resources and site visits. Plan to incorporate water customers into the tool to better plan distribution routes. Created and implemented an operational dashboard to monitor distributions real-time from within the SEOC. Providing hourly updates until the operations dashboard can be better refined to show details of what is being distributed. Building a similar tracker for PODS to track status of distributions from fixed sites. Currently, we are facing issues with having enough government mobile devices for field staff. May need to do install for field teams to ensure their devices work properly if they are not preformatted by GIS staff. Tactic C: Complete. ArcGIS online is the centralized resource. Coordination to continue, but recommend removing as a report item. Tactic D: Updated aging data, distro sites, and filters data sets. Additionally, building operational dashboards to track resource distributions in real time. Lead analysis is ongoing and is at 10% of the city.	Update

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ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Division: Group: Staging Area:
Operations Section (Obj. 8)- 2015-10-01-City of Flint-Water Contamination/Shortage Objective: 8: Maintain coordination between partnered agencies and organizations to include FEMA IMAT.	Date From: 01/19/2016	Date To: 01/26/2016	
	Time From:08:00:00	Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	F/Lt. Gabe Covey	517-927-5362
Branch Director:		
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
Local EOC operations section chief	Michelle Kuzera			
Local EOC Logisitcs section chief	Jay Eickholt			
District Coordinator	Lt. BJ Roach			
District Coordinator	Lt. Mark Russo			
District Coordinator	Lt. Mike de Castro			
FEMA Ops Chief	Jason Gamble			

6. Work Assignments:

Tactic(s):
1. Hold daily (8:30am) conference calls with the local EOC staff and key staff in the SEOC.
2. Hold daily (9:30 am) conference calls with the state agencies as well as an EMHSD representatives from the local EOC.
3. Conduct 10:30 am and 7:00 pm Distribution Process Meeting
4. Maintain constant communication with all partners via email/phone/MICIMS.
5. Maintain local EOC Operations Section Chief, Planning Chief and logistics Chief
6. Long term strategy for additional faith based organizations for distribution (Lt. BJ Roach).
7. Coordinate with FEMA on potential future PODs and distribution methods.
8. Coordinate future legislative and congressional calls.
9. Update tactics during IAP development days.
10. Support the tactics of the approved Logistics Support Plan.
11. Develop a plan for communication and coordination with FEMA IMT and other federal resources (CDC-ATSDR).

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)

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9. Prepared by: Name: JA Hampton Position/Title: OSC Date/Time: 01/12/2016 19:13:00

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ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Division: Group: Staging Area:
Planning Section (Obj. 9)- 2015-10-01-City of Flint- Water Contamination/Shortage Objective: 9: Enhance situational awareness and common operating picture of all activities.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Planning Section Chief:	Amanda Bresler	517-324-2302
Branch Director:		
Division/Group Supervisor	Tom Weber	517-324-2302

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
GIS Unit	Jim Tchorzynski			
Resource Unit	Sam Jonker-Burke			
Documentation Unit	Zach Baker			

6. Work Assignments:

Tactics:
1.Conduct daily briefings with state agency emergency managers. (PSC)
2. Monitor MICIMS to maintain situational awareness and develop reports. (All)
3. Produce maps to include bottled water, water filter, and pitcher, filter distribution, affected areas and infrastructure, and method of distribution. Support field operations with Arc GIS live mapping tool. (GIS)
4. Complete and produce daily situation reports. (PSC)

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function		Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
Tom Weber	/Planning Section Chief	
James Tchorzynski	/GIS Branch Lead	
	/	
	/	

9. Prepared by: Name: A.Bresler	Position/Title: PSC	Date/Time: 01/12/2016 19:28:00

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ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:		3. Branch: Recovery Division: Group: Staging Area:
Recovery Branch (Obj 10)- 2015-10-01 City of Flint-Water Contamination/Shortage Objective: 10: Develop a comprehensive Recovery Plan.	Date From: 01/19/2016 Time From:08:00:00	Date To: 01/26/2016 Time To: 08:00:00	

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	F/Lt. Gabe Covey	517-927-5362
Branch Director:	Carly Georgopoulos	517-812-6542
Division/Group Supervisor		

5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			

6. Work Assignments:

Tactics:
1. Identify liaison at the Governor's established Long Term Recovery Committee.
2. Identify the engagement and involvement of the SEOC with the Governor's established Long Term Recovery Committee.

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
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9. Prepared by: Name: | Position/Title: | Date/Time: 01/12/2016 19:30:00

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COMMUNICATIONS LIST (ICS 205A)

1. Incident Name:	2. Operational Period	Date From:	01/19/2016	Date To:	01/26/2016
2015-10-01-City of Flint-Water Contamination/Shortage		Time From:	08:00:00	Time To:	08:00:00

3. Basic Local Communications Information:

Add Contact

Incident Assigned Position	First Name	Last Name	Method(s) of Contact (phone, pager, cell, etc.)	Details
DEQ	Mitch	Adelman		Update
Documentation/Situation Unit Leader	Zachary	Baker		Update
Facilities/Communications Unit	Jaclyn	Barcroft		Update
MOSA	Steve	Betterly		Update
MDCR	Mark	Bishop		Update
MSP	Insp. Matt	Bolger		Update
Planning Section Chief	Amanda	Bresler		Update
Finance Section Chief	Penny	Burger		Update
MDOE	Louie	Burgess		Update
Operations Section Chief	Gabe	Covey		Update
Recovery Branch Support	Kristi	Davis		Update
MDARD	Brad	Deacon		Update
ARC	Linda	Dintenfass		Update
DTMB	Jeanette	Doll		Update
MDOC	Mike	Farmer		Update
Talent & Economic Development	Lynne	Feldpausch		Update
Logistics Section Chief	Wendy	Galbreth		Update
FEMA Liaison Officer	Jason	Gamble		Update
MSP	Lt. Mike	Garland		Update
LARA	Alisha	Gensler		Update
Recovery Branch Director	Carly	Georgopoulos		Update
Food Unit	Michelle	Gilsdorf		Update
Facilities Unit IT	Trevor	Hawks		Update
MSP	Lt. Mardella	Horhn		Update
MSP	Lt. Michael	Jones		Update
Resource Unit	Sam	Jonker-Burke		Update
State Director EM	Capt. Chris	Kelenske		Update
Public Information Officer (PIO)	Nicole	Lisabeth		Update
Health and Environement Branch Director/MDCH	Jennifer	Lixey-Terrill		Update
National Weather Service	Jim	Maczko		Update
Attorney General	Peter	Manning		Update
Comm Unit AuxComm RACES	John	McDonough		Update
MDOT	Eileen	Phifer		Update
DMVA	LTC. Chad	Randall		Update
Filed Support Branch	Sp/Lt. Mark	Russo		Update
FEMA Liaison Officer	David	Samniego		Update
ARC	Paul	Spata		Update
Resource Unit-Distribution	Pam	Stroble		Update
Facilities Unit GIS	James	Tchorzynski		Update

Recovery Branch Support	Stacy	Theis		Update
Human Services Branch Director/MDHS	Richard	Thelen		Update
LARA	Karen	Towne		Update
MDOC SEMC	Brent	Travelbee		Update
ARC	Lauren	Twohig		Update
MDOT	Connie	Valller		Update
Planning Section Chief	Thomas	Weber		Update
MDHS	Brian	Wilson		Update
DEQ/DNR	Jen	Wolf		Update
MSP	Lt. Scott	Woodard		Update
Joint Information Center (JIC) Liaison	Jane	Yount		Update
FEMA Liason Officer	Earl	Zuelke		Update

4. Prepared by: Name: Zachary Baker Position/Title: Documentation Unit Date/Time: 01/18/2016 13:37:56

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name:	2. Operational Period:	Date From: 01/19/2016	Date To: 01/26/2016
2015-10-01 City of Flint-Water Contamination/Shortage		Time From: 08.00:00	Time To: 20:00:00

3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:

All personnel should be aware of personal safety risks in the community. A daily safety briefing will be conducted by MSP prior to morning departure from the Local EOC at the Genesee County Administration Building for delivery operations. Door to door operations in the community will be accompanied with law enforcement escort.

Exposure to sub freezing temperatures and strong winds can lead to cold exposure and hypothermia. Wear appropriate winter clothing to cover exposed skin to mitigate against the affects of cold exposure. Wear appropriate footwear and ensure solid footing to mitigate against slip, trip, and fall hazards related to snow and ice covered ground surfaces.

Forecast Update for Flint, MI - Updated 900am January 18

* Very Cold Monday (Jan 18) through Thursday (Jan 21)
* Breezy Monday (Jan 18) through Tuesday (Jan 19) - Hazardous Wind Chills
* On and off light snow possible Monday (Jan 18). No Significant Accumulation

Temperatures will remain below 20 degrees Monday (Jan 18) though at least Tuesday night (Jan 19) and possibly longer. Low Temperatures Monday Night will be in the single digits above zero to near zero degrees. Above freezing temperatures may not occur again until early next week.

Wind Chill Values Monday (Jan 18) through at least Tuesday Night (Jan 19) will be near or below zero with Time to Frostbite from Exposed Skin generally 15 to 30 minutes Sunday through at least Tuesday Night.

Snow showers possible on Wednesday afternoon and evening (Jan 20). An inch of snow accumulation possible.

7-Day Forecast - Flint, Mi : http://goo.gl/3qkSIa

When driving in poor weather conditions keep a safe distance between your vehicle and the vehicle in front of you. Allow extra stopping distance as the roads may be snow covered and icy. Reduce travel speeds as appropriate and be aware that stopping and turning on snow and ice covered roads will not be as responsive as on dry roads. Ensure your vehicle contains an ice scraper, extra windshield wiper fluid, and an emergency road kit.

4. Site Safety Plan Required? Yes ☐ No ☑

Approved Site Safety Plan(s) Located At:

5. Prepared by:	Name: Mardella Horhn	Position/Title: MSP / Lt.	Date/Time: 01/18/2016 13:16:31

Return to List | Create Report | Update Form

DAILY MEETING SCHEDULE

Operational Period (Date/Time)
From: 01/19/2016 To: 01/26/2016

3. Meeting Schedule (Commonly-held meetings are included)

Date/Time	Meeting Name	Purpose	Attendees	Location
1/25/2016, 0800	Unified Command Objectives Meeting	Review/ identify objectives for the next operational period.	Unified Command members	Library
Daily, 0830	Local Agency Briefing	To discuss current status with local EOC.	SEOC General Staff/Local Agency/EOC Reps	Library
01/25/2016, 0930	Command & General Staff Meeting	IC/UC gives direction to Command & General staff including incident objectives and priorities	IC/UC, Command & General Staff	SEOC, Conference Call
Daily, 0930	State Agency Briefing	Review current status of response for all agencies.	Command & General Staff, Local EOC, State	SEOC, Conference Call
1/25/2016, 1330	Tactics Meeting	Develop/Review primary and alternate Strategies to meet Incident Objectives for the next Operational Period.	PSC, OSC, LSC, RESL & SITL	Library
Daily, 1030	Distribution Process Meeting		PSC, OSC, LSC, Warehouse, Local EOC	
1/25/2016, 1600	Planning Meeting	Review status and finalize strategies and assignments to meet Incident Objectives for the next Operational Period.	Determined by the IC/UC	SEOC, Conference Call
Daily, 1900			PSC, OSC, LSC, Warehouse, Local EOC	
1/20/2016, 0930	Operations Briefing	Present IAP and assignments to the Supervisors / Leaders for the next Operational Period.	IC/UC, Command & General Staff, Branch Directors, Div/Gru Sups., Task Force/Strike Team Leaders and Unit Leaders	SEOC, Conference Call

5. Prepared by (Situation Unit Leader)
Zachary Baker

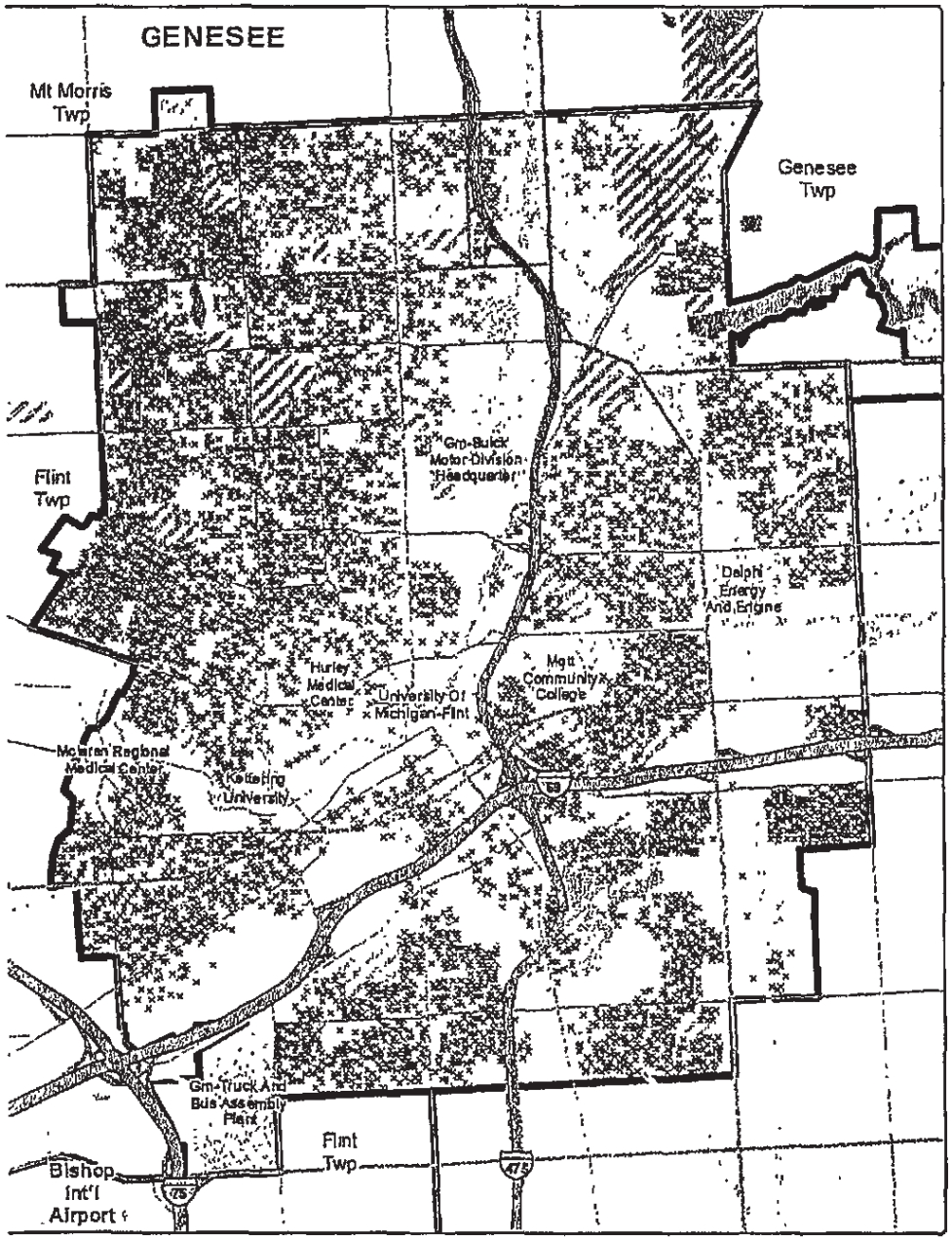
Date Prepared
1/18/2016

Time Prepared
1505

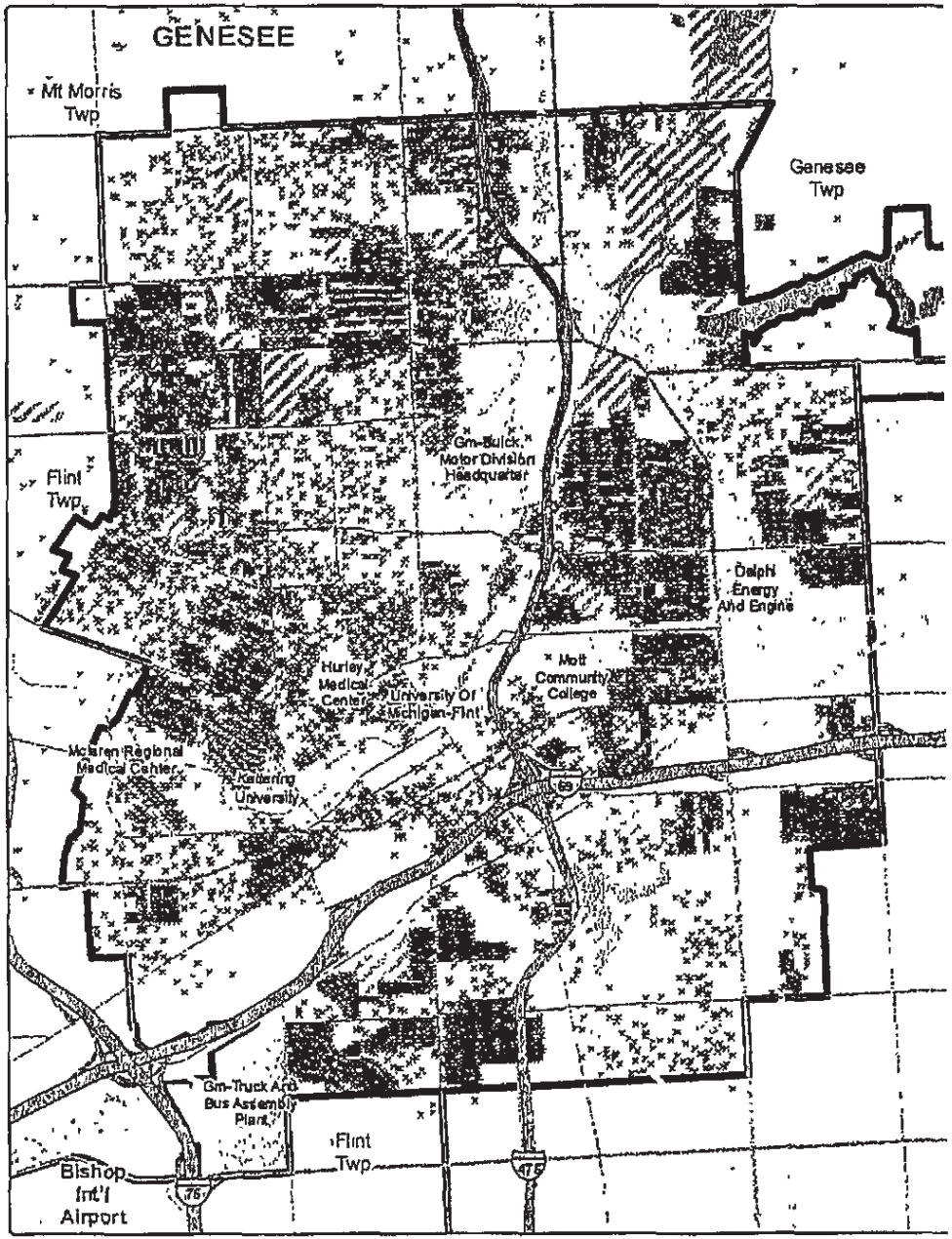
Flint Water Response Team Activity

As of Monday, [illegible]uary 18, 2016

Pre-Response Citizen Engagements (17,869)



Post-Response Citizen Engagements (24,650



Michigan State Police
Emergency Management and
Homeland Security Division

× Home of Citizen Reached Major Campuses Parks and Recreation Vacant Parcel

Miles 0 0.5 1 2 3 4

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/19/2016 08 00.00
Operational Period End:	01/26/2016 08 00 00
Situation Report No.	16
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/21/2016 08.00:00
SEOC Hours of Operation End:	01/21/2016 20 00 00

Executive Summary

SEOC Update:
Accomplished today (January 21).

The SEOC continues to provide
- Situational awareness
- Common operating picture/objectives.
- Coordination with city/county.
- Potential coordination with federal agencies.
- Incident prioritization.
- Coordination of life/health safety measures.
- Resources.
- Public Information Control.

- Logistics
o Worked with FEMA/DHHS on warehouse tracking status/strategy.
o Coordinated resources and needs with donations management.
o Coordinated additional resources and tasks for new weekend volunteers (500 each day).
o Working with Red Cross to provide food bank delivery resources.
o Ordering and projecting future orders of water resources and commodities.
o Working on local business commodity supply plan.
o Coordinated filter/cartridge donation list.
o Worked with MDTMB for more iPads, more vests, and more door hangers for weekend volunteer surge
o Worked with the JIC and GOV to establish a business resource submission tab on www.helpforflint.com
o Worked with MDOT to resolve safety issues at PODs

- JIC
o Media requests today concerning where the state is with its mission to provide water filters and resources to citizens.
o JIC messaging will be that we have geographically covered the entire city once and are working to double back and make contact with all missed residents.

- Recovery Branch
o Continued coordination with Red Cross on volunteers and the Michigan National Guard for Friday and Saturday
o Confirmed team typing for Flint Water Resource Teams

o Data is for 1/21/16 as of 5 00 pm:
o Total homes visited
- 36,179 (total).
- 5,409 (today).
o Water Cases.
- 105,091 (total).
- 10,403 (today).
o Replacement Cartridges.
- 189,428 (total).
- 1,039 (today).
o Faucet Filters.
- 79,571 (total).
- 2,356 (today).

- Planning Section.
o Published Sit Rep # 16.
o Worked with GIS to roll out updated map, created coordinated revised script for field teams.
o Participated in daily SEOC briefings and distribution process conference call
o Participated in development of phase strategy roll out.

- Operations Section.
o Facilitated daily SEOC briefing and local EOC call.
o Continued to develop phased canvassing roll out.
o Request put in for MDOT to address traffic issues at POD Fire Station's #6 and #3.

o Warehouse Numbers as of 1800:
- Water (cases).
- 94,500.
- Filters (faucet).

• 34,284.
❑ Replacement cartridges.
• 141,562.
❑ Filters (pitcher).
• 0.
❑ Test Kits.
• 0.

o PODs (1700 1/20 – 1600 1/21)
❑ Water (cases).
• 10,978.
❑ Filters (faucet).
• 1,153.
❑ Replacement Cartridges.
• 445.
❑ Filters (pitcher).
• 0.
❑ Test kits.
• 801.

• *Finance Section.*
o Working with state agencies and local EM to obtain category B costs incurred since April 25, 2014.
o Continuing to compile costs incurred by state agencies for all activities related to event since activation.
o Meet with FEMA Public Assistance staff to discuss current status.
o Work on reference document for state agency financial staff for reporting of related incident costs

• GIS Branch Updates.
• Updated the Field Team Support maps to develop grid system.
• Provided updated map of vulnerable populations for the MDCH.
• Provided list of vulnerable individuals to local EOC through local EOC situation unit leader.
• Released V3 of the field data collection app with new form data for second round of home visits.
• Updated Flint Water Response Team activity map for distribution by the JIC.
• Provided data for the Recovery Branch on the Field Teams Activity.
• Cross referenced health facilities and adult foster care to identify facilities in the affected area.
• Provided list of franchise customers beyond City of Flint limits to Public Safety Branch.
• MSHDA was provided a map of active water subscribers in the area.
• *Provided updated lead data to U of M Flint and coordinated with FEMA GIS to complete lead service line mapping.*
• Updated operational dashboard for field team activity (still need to provide updated dashboard for PODS).
• FEMA Logistics recommended inventory management be integrated into the dashboards and GIS web-developers are actively researching a strategy to accomplish this.

DTMB:
• Process additional resource requests for warehouse commodities, supplies for volunteer teams for the weekend, and space for water samples
• Provided FEMA staff with access cards, office space, and parking for Flint office building.
• Additional vehicles being delivered to support the canvassing effort.

DHHS-CH
• Dr. Nicole Lurie from HHS was at the CHECC and SEOC today to explain the US DHHS transition.
• Disaster distress helpline is up and running this afternoon, messaging will be going out through JIC.
• Worked with GIS to map the medically dependent persons.
• Conference call held with the CHECC, SAMHSA, and local HD on DBH.

DEQ
• Working to increase staffing levels at the DEQ testing lab to process samples more efficiently.
• Working on increasing resources for testing kits.

Local EOC Update:
• Attended ARC meeting with VOADs to discuss volunteer management and strategies.
• Attended meeting with Plumbers and Pipefitters Union to assess the need for long term cooperation for filter installation and fixture replacement.
• Requested and received confirmation of deployment of Team Rubicon (starting on 01/23/2016)
• Facilitated Flint & Genesee Chamber of Commerce representation at the EOC.
• Addressed security issues at Fire Station 3, 6 and 8 PODs (residents concerned about criminal).
• Coordinating with SEOC Logistics to receive information on purchasing strategy and volumes for filter equipment.
• Met with Genesee County Planning Commission, United Way of Genesee County and Michigan Community Service Commission to clarify recycling plans and potential volunteer utilization.
• Developed SitRep #10.
• *Coordinated and verified deliveries of supplies to apartment complexes.*
• Identified potential locations for recycling stations.

Incident Response/Recovery Priorities/Objectives

1. Ensure all households within impacted community have required resources.
2. Ensure accurate tracking and accounting of all commodities
3. Improve and maintain public information strategy and process.
4. Develop a long term public health and services plan.
5. Ensure adequate staffing to support operational requirements
6. Identify possible assistance programs.
7. Maintain GIS strategy.
8 Maintain coordination between partner agencies and organizations to include FEMA IMAT.
9 Enhance situational awareness and common operating picture of all activities.
10 Develop a comprehensive Recovery Plan.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

Genesee County, Public Health Emergency, 10/01/2015
City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Declaration of Emergency for Michigan Contaminated Water (EM-3375), 1/16/2016

Weather Conditions

Watches/Warnings

Upcoming Forecast

Forecast Update for Flint, MI - January 21
o Cold continues through the weekend, though not as cold as the beginning of the week
o On and off light snow possible Thursday (January 21) and Friday (January 22) No significant accumulation expected.
Temperatures will remain below 25 degrees though at least Thursday night (January 21) and possibly longer, with slightly warmer weather expected over the weekend. Above freezing temperatures may not occur again until early next week.

Wind Chill values not as hazardous Thursday (January 21) through Sunday (January 24). Risk for frostbite is low unless exposure time for the individual is several hours in length with the person engaging in little to no activity.

Other

7-Day Forecast - Flint, MI : http://goo.gl/3qkSIa

NWS Detroit/Pontiac can be reached 24/7 with forecast questions via non-public 24/7 N

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Joint Information Center / Public Information Officer

The Joint Information Center (JIC) was expected to be operational in Flint from 8 a.m to 8 p.m on Jan. 21.

State agencies at the JIC included the Governor's Office, Michigan State Police, Michigan Economic Development Corporation, Michigan Community Service Commission and Departments of Environmental Quality, Health and Human Services, Agriculture and Rural Development, Licensing and Regulatory Affairs, Military and Veterans Affairs, and Treasury. The Federal Emergency Management Agency, Genesee County Sheriff's Office and American Red Cross were also present.

Tasks accomplished:
• Finalized an Official Statement about testing bottled water for lead. Recently, there were concerns raised about the possibility of lead being in the bottled water that is being given to residents of Flint The statement was provided to ABC12 who contacted the JIC and also to 211 to use when asked.
• Created a media monitoring report and looked for misinformation. Called to request a correction to a Detroit Free Press headline that included WRTs were completing their work; headline was amended to indicate the mission is ongoing. Several media calls on this topic were received and answered today.
• Added the following content to www.michigan.gov/flintwater: link to www.helpforflint.com; water donation drive guidelines; Disaster Distress Helpline; and photos from National Guard door-to-door teams.
• Media hotline staff answered over 30 emails and phone calls.
• Updated internal and general talking points about the ongoing Flint water emergency.
• Continued routing public information materials for approval, including communications from MDE, MDARD, MDEQ, and MDHHS.
• JIC is planning to issue the nightly activity news release with water activity map around 6 p.m.
• MSP F/Lt. Dave Kaiser is scheduled for in-studio interview with ABC 12 tonight to share tonight's activity news release. It is expected to air during 11 p.m. newscast and again during tomorrow's morning newscast.
• MSP Sgt. Bruce Payne assisted the Detroit Free Press and Fox 2 Detroit in obtaining B-roll of the water response teams. F/Lt. Kaiser did a standup with WXYZ about water response team progress

Agriculture and Rural Development (MDARD)

Thursday, Jan. 21 - MDARD Food Program staff have completed assessments of all 21 food businesses (including restaurants) that were located in the highest risk area In addition, they have completed assessments at 34 food businesses in the medium risk area, and we have scheduled 28 appointments to collect water samples.

Additional activities today. 1) completed Resource Request for MDARD to send two laboratory personnel to help out at the MDEQ Laboratory. 2). working on inquiry that came through OPS regarding messages for what to do if you have pets. Existing documents on the flintwater website contain guidance; we are evaluating need for a stand alone document.

American Red Cross (ARC)

The American Red Cross continued assembly of water test kits today at ARC headquarters. More than 10,000 water test kits were assembled over the last 2 days.
We deployed and supported 11 teams for neighborhood canvassing (Water Response). We expect to field 15 teams on Friday.
We supplied lunches for all of the event-based volunteers.
The volunteer reception center (VRC) was in full operation Thursday. 59 volunteers were processed today. The VRC will be in operation on Friday from 9am to 4pm.
We continued to provide warehouse and inventory management.
A total of 93 Red Cross volunteers were active on this operation today.

Civil Rights (MDCR)

Continue to review activities to provide support and assistance to assigned Human Services branch and other SEOC entities. Also monitoring media and coverage of rallies and events. Have briefed senior leadership and are working to assist JIC with messaging/engagement in underserved communities.

Community Health (MDCH)

The CHECC remains activated at Level 2, and communications have been maintained between the SEOC and CHECC.

RADM Dr. Nicole Lurie, the Assistant Secretary for Preparedness and Response from the US Department of Health and Human Services (HHS), in addition to the HHS Regional Coordinator and other CDC staff, visited the CHECC and SEOC this morning and provided commentary to CHECC and SEOC staff/EMCs. She also attended a briefing from FEMA before departing to visit Flint.

Held a conference call this morning with SAMHSA and the local Community Mental Health agency to discuss coordination. Technical assistance from SAMSHA was offered to CMH if requested. The National Disaster Distress Hotline is operational and listed on the Flint Water website.

Addresses for medically dependent individuals was provided to GIS and maps were produced indicating whether or not they have been reached by the Water Response Teams. Additional information from logistics is necessary to determine whether these individuals were contacted by the "hot shot" operations for special requests to receive assets.

Contacted the GCHD regarding the status of reaching-out to restaurants in the affected area. Coordination was discussed with MDARD as to the plan or process for ensuring that restaurants receive the resources that they may potentially need (I e. filters, filter cartridges, etc). Additional coordination and planning is necessary. GCHD Emergency Preparedness Coordinator provided a point of contact from their Environmental Health Division for MDARD to reach out to.

Corrections (MDOC)

The MDOC has scheduled the following resources to be dedicated to the Flint Water Response Team on Thursday, January 21, 2016:

(26) - MDOC employees

(6) - MDOC SAI prisoners

(3) - 15 passenger vans

(2) - 12 passenger vans

(4) – 10 passenger vans

(1) – 8 passenger van

(2) – 6 passenger vans

(1)- Regular Cab Pickup

(1) – F-250 Pickup

(5) – Box Trucks

(1) – 20 Person Shuttle Bus (Sent to Red Cross Volunteer Sight)

(1) - 53' Refrigerated Semi-Trailer

(3) - Electric Pallet Jacks

(7) – Hand Pallet Jacks

All vehicles drivers have 800 MHz Radio Operability (G EVENT 9)

The MDOC has scheduled the following resources to be dedicated to the Flint Water Response Team on Friday, January 22, 2016:

(25) - MDOC employees

(6) - MDOC SAI prisoners

(3) - 15 passenger vans

(2) - 12 passenger vans

(4) – 10 passenger vans

(1) – 8 passenger van

(2) – 6 passenger vans

(1)- Regular Cab Pickup

(1) – F-250 Pickup

(5) – Box Trucks

(1) – 20 Person Shuttle Bus (Sent to Red Cross Volunteer Sight)

(1) - 53' Refrigerated Semi-Trailer

(3) - Electric Pallet Jacks

(7) – Hand Pallet Jacks

All vehicles drivers have 800 MHz Radio Operability (G EVENT 9)

You will be receiving updated information as we progress with the operation.

Please feel free to contact Brent Travelbee, Mike Farmer or Todd Bechler with specific questions or concerns regarding SEOC operations.

Education (MDE)

MDE is monitoring the situation and coordinating as necessary with other state agencies.

Parents of boarding students at the Michigan School for the Deaf were notified of the elevated lead results in Stevens Hall. All fixtures in the dormitory are scheduled to be replaced by January 24, 2016. Lt Gov. has scheduled visit on January 25.

The State Superintendent sent notice to school districts, public school academies, and non-public schools on donation and volunteer opportunities related to the Flint water crises.

Environmental Quality (MDEQ)

The Department of Environmental Quality (DEQ) completed the following activities today:

• Tracked test bottle orders and facilitated transport to/from warehouse and American Red Cross Headquarters.

• Commercial drinking water samples related to the total dissolved solids meter concern were analyzed with a non-detect result for Lead and Copper. We transmitted results to Joint Information Center and Genesee County Emergency Operations Center.

• Conducted conference call with MDEQ, Department of Technology, Management and Budget, and Emergency Management and Homeland Security Division (EMHSD) finance and discussed documentation needed, and develop more efficient ordering process for laboratory supplies.

• Coordinated plan for pickup of samples by the Department of Corrections at Points of Distribution, City Hall and Water Treatment Plant and delivery to the DEQ Lab. This plan will commence tomorrow, January 21.

• Requested updated sample results from DEQ lab for plotting on map by EMHSD Geographic Information System staff.

Human Services (MDHS)

Completed a request that was transferred to us from DTMB to secure a conference room on 2nd floor of Flint State Office building to be used by the JIC on Friday, January 22nd from 13:00-15 00. Point of Contact will be Ms. Mel Brown from the JIC.

Made contact with the MDHHS Points of Distribution sites for status on their inventory of supplies. Confirmed their plan to replenish their supplies.

CHECC continues to maintain a Level 2 Activation

Licensing and Regulatory Affairs (LARA)

LARA has provided 2 MIOSHA employee's to help DEQ with laboratory analysis of incoming water samples.

Freeman School testing will occur this weekend with DEQ and LARA staff Additional mapping at schools has continued with scheduling of facilities.

LARA Bureau of Community and Health Services has completed surveys for Child Care, Adult Foster Care, and Health facilities. Verification of responses by GIS has been completed. Assessment of needs will begin.

LARA Executive Team has been updated.

Military and Veterans Affairs (DMVA)

Last 24 hours:
Distributed water, water filters, water test kits and collected water samples for analysis at five points of distribution. Coordinated efforts with Genesee County EOC and Joint Information Center. In-Processed 33 Soldiers to augment distribution operations at 1800 S. outer Dirve, Saginaw, MI on 17 January 2016 at 1300. Conducted lodging and operations orientation following in-processing Total of 67 Soldiers on State Active Duty on 17 January 2016. All PODS received pallet jacks for off-loading water pallets. Coordination between FEMA and Selfridge Air Base (SANGB) taking place. Exact terms of agreement of FEMA using SANGB for staging operations have not been identified at this time.

Total of 67 Soldiers on State Active Duty:
1 at Genesee County EOC
1 at Joint Information Center
32 at PODS
33 Soldiers In-processing

Next 48 hours:
Distribute water, water filters, and water test kits and collect water samples for analysis at five points of distribution. Coordinate efforts with Genesee County EOC and Joint Information Center. Relieve Red Cross at PODS, assuming their role of distributing filters. Total of 67 Soldiers on State Active Duty on 17 January 2016. Additional Soldiers will conduct first full day of distribution operation on 18 January 2016. Continue coordination between FEMA and SANGB, a 0800 meeting will be conducted on 18JAN16.

Micheal Shook
CPT, IN, USA
989-763-4256

National Weather Service (NWS)

Jim Maczko from NWS Grand Rapids will participate in SEOC morning briefings via phone call and will coordinate support with local forecast office that serves Flint - NWS Detroit/Pontiac. Participation in afternoon SEOC briefings is planned only if significant changes in the forecast occur.

Hand off to NWS Detroit for morning conference call weather forecast in progress. Estimated date when NWS Detroit will begin morning SEOC briefings and MICIMS posts is Tuesday, January 26.

Contacted Penske Truck Rental and acquired 30 donated trucks for use through Friday for water response teams
Provided 2 portable bathrooms for use at the Clio warehouse.
Coordinated installation of DirectTV in the Flint State Office Building for the Joint Information Center.
Working to set up 3 rooms in the Flint State Office Building for FEMA to use.
Provided 13 passenger vans to assist with transporting of Water Response Teams.
Procured 200 safety vests for water response teams.
Provided office space and parking to FEMA staff on the Flint State Office Building 5th Floor.
Provided 10 contractor access cards for FEMA staff

Transportation (MDOT)

MDOT is providing traffic measures at Pierson Rd. Fire Station 6:
-2 portable changeable message boards on eastbound and westbound Pierson Rd.
-50 grabbers traffic cones (narrow reflective cones)

Incident Related Images

Flint Water Response Team Activity Map

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT

JAMIE CLOVER ADAMS
DIRECTOR

January 14, 2016

Attention: Food Establishments using City of Flint water supply

Dear Food Establishment Operator:

On October 5, 2015, you were sent a document recommending actions to take to avoid the risk of serving lead contaminated water to your customers. Effective immediately, the recommendations have been changed to a legal requirement, and food establishment license enforcement action may be taken if non-compliance is found until the public health emergency declaration has been lifted.

Please see the updated attached requirements sheet. Immediate action may be needed by your establishment to come into compliance.

Your establishment has three options:

1. Demonstrate your establishment is not using the City of Flint water supply for drinking, processing or cooking.
2. Demonstrate your water has been tested and is safe to use. You may request free testing by a regulatory official. To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939, M-F, and state you're a "Flint food establishment requesting a water test". Be prepared to provide a sampling time when your entire water system won't have been used for at least 6 hours. Sampling appointments between 5 a.m. and 4 p.m. are available. State offices are closed on January 18, 2016
3. Install water filters as needed, and do daily flushing of unfiltered faucets and hard plumbed equipment. (Discontinuing use, flushing, etc. will still be needed until a safe water test is obtained).

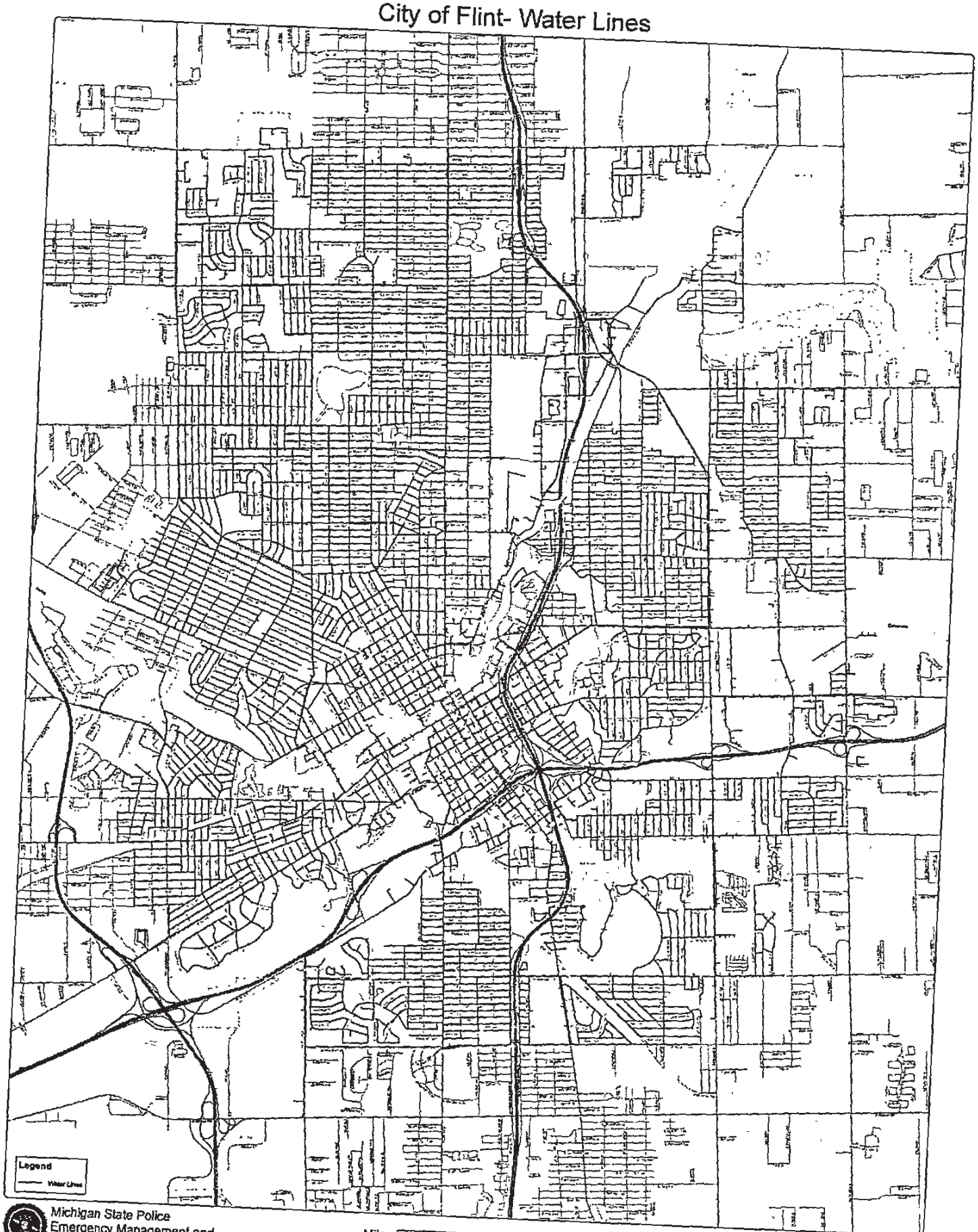
Michigan Department of Agriculture and Rural Development inspectors are assisting the Genesee County Health Department in conducting sampling and inspections, so you may work with a different person other than your regular food safety inspector. Inspectors will also be making visits to establishments in the coming weeks to provide assistance and verify compliance.

For additional information, call 1-800-292-3939 or for the latest information on the Flint water response visit www.michigan.gov/flintwater. We look forward to assisting you in any way possible.

Sincerely,

Kevin Besey, Director
Food and Dairy Division
Michigan Department of Agriculture and Rural Development

City of Flint- Water Lines



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 0.75 1.5

Author: msp-egoogle@michigan.gov, (A111)
Created: 10:57 AM, 22 Jan 18

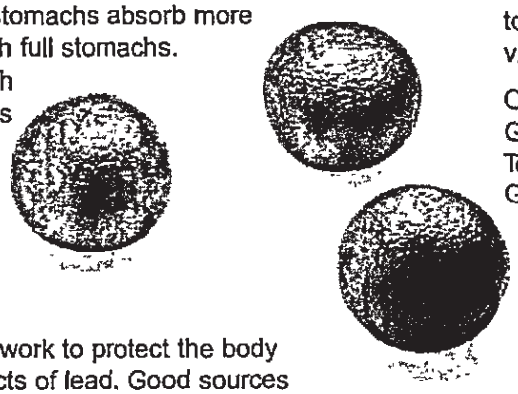
All MDARD & LHD High Risk Establishments							
FDD or LHD	ESTABLISHMENT NAME	ADDRESS	CITY	STATE	ZIP	Inspector Assigned	Date InspectionCompleted
FDD	REAL TREAT POPCORN CO	431 ASYLUM ST	FLINT	MI	48503		
FDD	V & T ENTERPRISES INC	1680 CHEVROLET AVE	FLINT	MI	48504		
FDD	S & E GAS STATION	1670 DUPONT ST	FLINT	MI	48504		
FDD	K CS MARKET	1716 DUPONT ST	FLINT	MI	48504		
FDD	TENACITY BREWING	119 N GRAND TRAVERSE ST	FLINT	MI	48503		
LHD	WHALEY CHILDREN'S CENTER	1201 N GRAND TRAVERSE ST	FLINT	MI	48503		
LHD	GOOD BEANS CAFÉ (THE)	328 N GRAND TRAVERSE ST	FLINT	MI	48503		
FDD	A & N GAS INC	527 N GRAND TRAVERSE ST	FLINT	MI	48503		
LHD	HURLEY MEDICAL CENTER	1 HURLEY PLAZA	FLINT	MI	48503		
FDD	D & H MARKET	2134 M L KING AVE	FLINT	MI	48503		
FDD	HINKY DINKY SUPERMARKET	3110 M L KING AVE	FLINT	MI	48505		
FDD	KINGS MARKET	1602 OREN AVE	FLINT	MI	48503		
FDD	FARAHS FOOD MARKET	843 S STEVENSON ST	FLINT	MI	48504		
LHD	EINSTEIN BROTHERS BAGELS	1625 UNIVERSITY AVE	FLINT	MI	48504		
LHD	SODEXO MANAGEMENT INC	1700 UNIVERSITY AVE	FLINT	MI	48504		
LHD	ARROWHEAD VETERANS ASSOCIATION	402 WATER ST	FLINT	MI	48503		
LHD	LITTLE CAESAR'S	815 WELCH BLVD	FLINT	MI	48504		
FDD	DAVIDS PARTY STORE INC	816 WELCH BLVD	FLINT	MI	48504		
LHD	MIXED GRILL BBQ	818 WELCH BLVD	FLINT	MI	48504		

8 LHD
11 FDD
19 TOTAL

Help Fight Lead Poisoning with a Healthy Diet

Regularly Eat Healthy Foods

Children with empty stomachs absorb more lead than children with full stomachs. Provide your child with four to six small meals during the day. The following nutrients can help protect your child from lead poisoning:

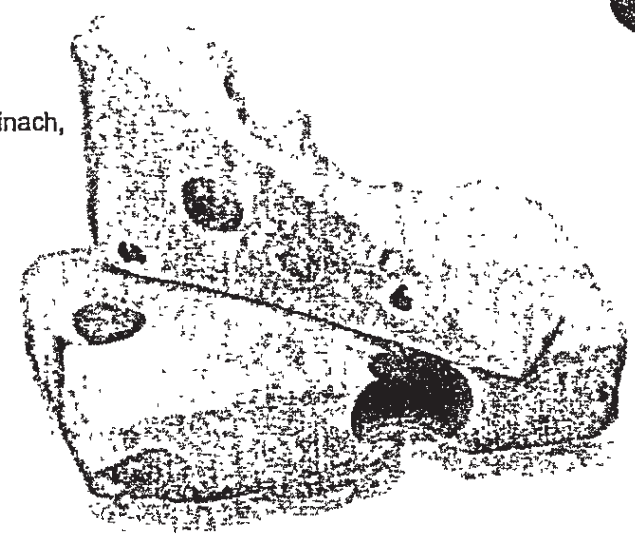


Iron-Rich Foods
Normal levels of iron work to protect the body from the harmful effects of lead. Good sources of dietary iron include:

Lean red meats, fish, and chicken
Iron-fortified cereals
Dried fruits (raisins, prunes)

Calcium-Rich Foods
Calcium reduces lead absorption and also helps make teeth and bones strong. Good sources of dietary calcium include:

Milk
Yogurt
Cheese
Green leafy vegetables (spinach, kale, collard greens)



Vitamin C-Rich Foods
Vitamin C and iron-rich foods work together to reduce lead absorption. Good sources of vitamin C include:

Oranges, orange juice
Grapefruits, grapefruit juice
Tomatoes, tomato juice
Green peppers

Simple Steps You Can Take

to Protect Your Family from Lead Hazards

If you think your home has high levels of lead:

- Make sure your children eat healthy, low-fat foods high in iron, calcium, and vitamin C.
- Get your children tested for lead, even if they seem healthy.
- Get your home tested for lead if it was built before 1978. Call 1-800-424-LEAD for more information.
- Always wash your hands before eating.
- Wash children's hands, bottles, pacifiers, and toys.
- Do not use imported pottery to store or serve food.
- Let tap water run for one minute before using.
- Use only cold water for making your baby's formula, drinking, and cooking.
- Regularly clean floors, windowsills, and other surfaces using wet methods that control dust.
- Wipe or remove shoes before entering your house.
- If you rent, it is your landlord's job to keep paint in good shape. Report peeling or chipping paint to your landlord and call your health department if the paint is not repaired safely.
- Take precautions to avoid exposure to lead dust when remodeling or renovating.
- Don't try to remove paint yourself!

For more information on childhood lead poisoning prevention:

Call

- 2-1-1
- Genessee County Health Department Lead Program (810) 257-3833
- WIC (810) 237-4537
- Michigan Childhood Lead Poisoning Prevention (888) 322-4453
- Michigan Department of Health & Human Services (517) 373-3740

Visit

- Michigan Department of Health & Human Services http://www.michigan.gov/mdhhs
- Michigan Childhood Lead Poisoning Prevention www.michigan.gov/lead
- Flint Water Information http://www.michigan.gov/flintwater

MDHHS Michigan Department of Health & Human Services

Childhood LEAD POISONING prevention program

Potential Assistance Programs –
Compiled by MDARD

Program Name: **USDA Rural Development Business & Industry Loan Guarantee**

Agency Responsible for program – USDA Rural Development

Point of Contact: James Turner, Michigan Director, USDA Rural Development

Type of Support (Individual or Government) – Businesses, Nonprofits, Government loan guarantees

Eligibility Guidelines – Lenders apply for loan guarantees for borrowers. Though most USDA Rural Development programs are limited to rural areas, this program has the authority to fund local food infrastructure in urban areas as long as the project supports farm and ranch income and expands healthy food access in underserved communities.

Benefits Available – Loan guarantees for business development, enlargement, purchase of facilities & upgrades, purchase of equipment.

Application Process – Rolling applications; contact lender or USDA Rural Development Michigan office for more information.

Link: http://www.rd.usda.gov/files/Local_Food_Fact_Sheet_20150401.pdf

Program Name: **USDA Agricultural Marketing Service Farmers Market Promotion Program**

Agency Responsible for program – USDA Agricultural Marketing Service

Point of Contact: FMPP Staff by email at USDAFMPPQuestions@ams.usda.gov or by phone 202-720-0933

Type of Support (Individual or Government) – Grants to Businesses, Nonprofits, Governments

Eligibility Guidelines – Entities that are eligible to apply include:

- Agricultural businesses
- Agricultural cooperatives
- Community Supported Agriculture (CSA) networks
- CSA associations
- Economic development corporations
- Local governments
- Nonprofit corporations
- Producer networks
- Producer associations
- Public benefit corporations
- Regional farmers' market authorities

- Tribal governments

All applicants must be domestic entities owned, operated, and located within the 50 United States. State Departments of Agriculture are eligible if the State's regulatory statutes identify the specific State Department of Agriculture as a regional farmers' market authority (need to confirm Michigan status).

Benefits Available – The minimum FY 2015 award per grant was $15,000 and the maximum $100,000.

Application Process – 2015 grant cycle applications were due May 14, 2015; 2016 cycle not yet announced.

Link: http://www.ams.usda.gov/services/grants/fmpp

Program Name: **USDA Agricultural Marketing Service Local Food Promotion Program**

Agency Responsible for program – USDA Agricultural Marketing Service

Point of Contact: LFPP staff by e-mail at USDALFPPQuestions@ams.usda.gov or by phone at 202-720-2731.

Type of Support (Individual or Government) – Grants to Businesses, Nonprofits, Governments

Eligibility Guidelines – The Local Food Promotion Program (LFPP) offers grant funds with a 25% match to support the development and expansion of local and regional food business enterprises to increase domestic consumption of, and access to, locally and regionally produced agricultural products, and to develop new market opportunities for farm and ranch operations serving local markets. There are two types of project applications are accepted under LFPP—planning grants and implementation grants. Applicants can apply for either but will receive only one type of grant in the same grant cycle. Eligible entities may apply if they support local and regional food business enterprises that process, distribute, aggregate, or store locally or regionally produced food products. Such entities may include:

- Agricultural businesses and cooperatives
- Producer networks and associations
- Community supported agriculture networks and associations
- Other agricultural business entities (for-profit groups)
- Nonprofit and public benefit corporations
- Economic development corporations
- Regional farmers' market authorities
- Local and tribal governments

Benefits Available – The minimum FY 2015 award per grant was $15,000 and the maximum $100,000.

Application Process – 2015 grant cycle applications were due May 14, 2015; 2016 cycle not yet announced.

Link: http://www.ams.usda.gov/services/grants/lfpp

Program Name: **USDA Agricultural Marketing Service Federal State Marketing Improvement Program**

Agency Responsible for program – USDA Agricultural Marketing Service

Point of Contact: Federal-State Marketing Improvement Program
Transportation and Marketing Programs, Agricultural Marketing Service, USDA
1400 Independence Ave SW, Room 4549-S
Washington, DC 20250
Tel: 202-720-5024
Fax: 202-690-1144
E-mail: janise.zygmont@ams.usda.gov

Type of Support (Individual or Government) – Grants to state agencies & universities

Eligibility Guidelines – FSMIP provides matching grant funds to conduct applied research projects that explore new market opportunities for U.S. food and agricultural products and improve the efficiency and performance of the U.S. agricultural marketing system. These grants are awarded on a competitive basis to State departments of agriculture, forestry, natural resources, or energy, as well as other State agencies such as experiment stations, universities, and colleges. Projects can focus on a wide variety of agricultural research goals, including increased sales of value added meat products, aquaculture, fresh and processed products, local and regional food systems, forestry, bioenergy, and horticulture. Proposals that benefit one business or individual will not be considered. Proposals that address issues of importance at the State, multi-State, or national level are encouraged.

Benefits Available – 2015 FSMIP Projects: Total Funding: $1,005,906; Average Grant: $67,060; 15 projects in 14 States.

Application Process – 2015 grant cycle applications were due May 14, 2015; 2016 cycle not yet announced.

Link: http://www.ams.usda.gov/services/grants/fsmip/apply

Program Name: **Specialty Crop Block Grant Program**

Point of Contact: Nancy Nyquist, Michigan Department of Agriculture and Rural Development

Agriculture Development Division
P.O. Box 30017
Lansing, Michigan 48909
Phone: (517) 284-5735
E-Mail: nyquistn@michigan.gov

The Michigan Department of Agriculture and Rural Development (MDARD) offers the Specialty Crop Block Grant Program-Farm Bill (SCBGP-FB) through the United States Department of Agriculture/Ag Marketing Service (USDA/AMS); the funding is from the federal allocations.

Specialty crops are defined as "fruits and vegetables, tree nuts, dried fruits, and horticulture and nursery crops, including floriculture." Included are listings of plants commonly considered as fruits and tree nuts; vegetables; culinary herbs and spices; medicinal herbs; and nursery, floriculture, and horticulture crops.

PURPOSE OF GRANTS:

Examples of "enhancing the competitiveness" of specialty crops includes, but is not limited to: research, promotion, marketing, nutrition, trade enhancement, food safety, food security, plant health programs, education, increased knowledge and consumption, increased innovation, improved efficiency and reduced costs of distribution systems, environmental concerns and conservation, product development, good agricultural practices, good handling practices, and good manufacturing practices.

Increasing competitiveness may include developing local and rural agricultural economies, and improving food access in underserved communities:

- Increase nutritional knowledge and specialty crop consumption
- Improve efficiency within the distribution system and reduce costs
- Promote the development of good agricultural, handling and manufacturing practices while encouraging audit fund cost-sharing for small farmers, packers and processors
- Support research through standard and green initiatives
- Enhance food safety
- Develop new/improved seed varieties and specialty crops
- Control pests and diseases
- Create organic and sustainable production practices
- Establish local and regional fresh food systems
- Increasing healthy food access in underserved communities

Grant funds cannot be used for coupon/incentive redemptions or price discounts. Costs associated with printing, distribution, or promotion of coupons/tokens or price discounts (i.e., a print advertisement that contains a clip-out coupon) are allowable only if they solely promote the specialty crop rather than promote or benefit a program or single organization.

MDARD will release a request for proposals in early February 2016 for funding consideration. Applicants may request up to $100,000 in funding and approved projects cannot begin work until after October 1, 2016.

Program Name: **Value Added Grant Program (State funding)**

Point of Contact: Nancy Nyquist, Michigan Department of Agriculture and Rural Development

Agriculture Development Division
P.O. Box 30017
Lansing, Michigan 48909
Phone: (517) 284-5735
E-Mail: nyquistn@michigan.gov

This grant program is currently under review by the Michigan Department of Agriculture and Rural Development. It is anticipated that a late winter/early spring 2016 request for proposals will be available with funding of projects up to $150,000 with a 25% (minimum) match requirement of total project costs. Proposals should be focused on the following areas: Technical assistance, Feasibility studies, increasing the economic value of a commodity through production processes, export market opportunities, and projects that intend to establish, retain, expand, attract and/or develop value added agricultural processing in the State of Michigan.

Resource Request/Task Assignment

Update Record

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Create PDF | Return to List

Request/Task Assignment

Tracking #:	Date/Time:	Last Update:	Incident Name:
SEOC - 9388996	01/21/2016 11:15:29	01/21/2016 11:46:57	2015-10-01-City of Flint-Water Contamination / Shortage

Request/Task Details

Mission Name

Flint City animal messaging

Detailed description

A number of societies/public have been asking about messaging for pets (that live in the Flint City water affected area). Could a message be sent through the JIC on what to do if you have pets?

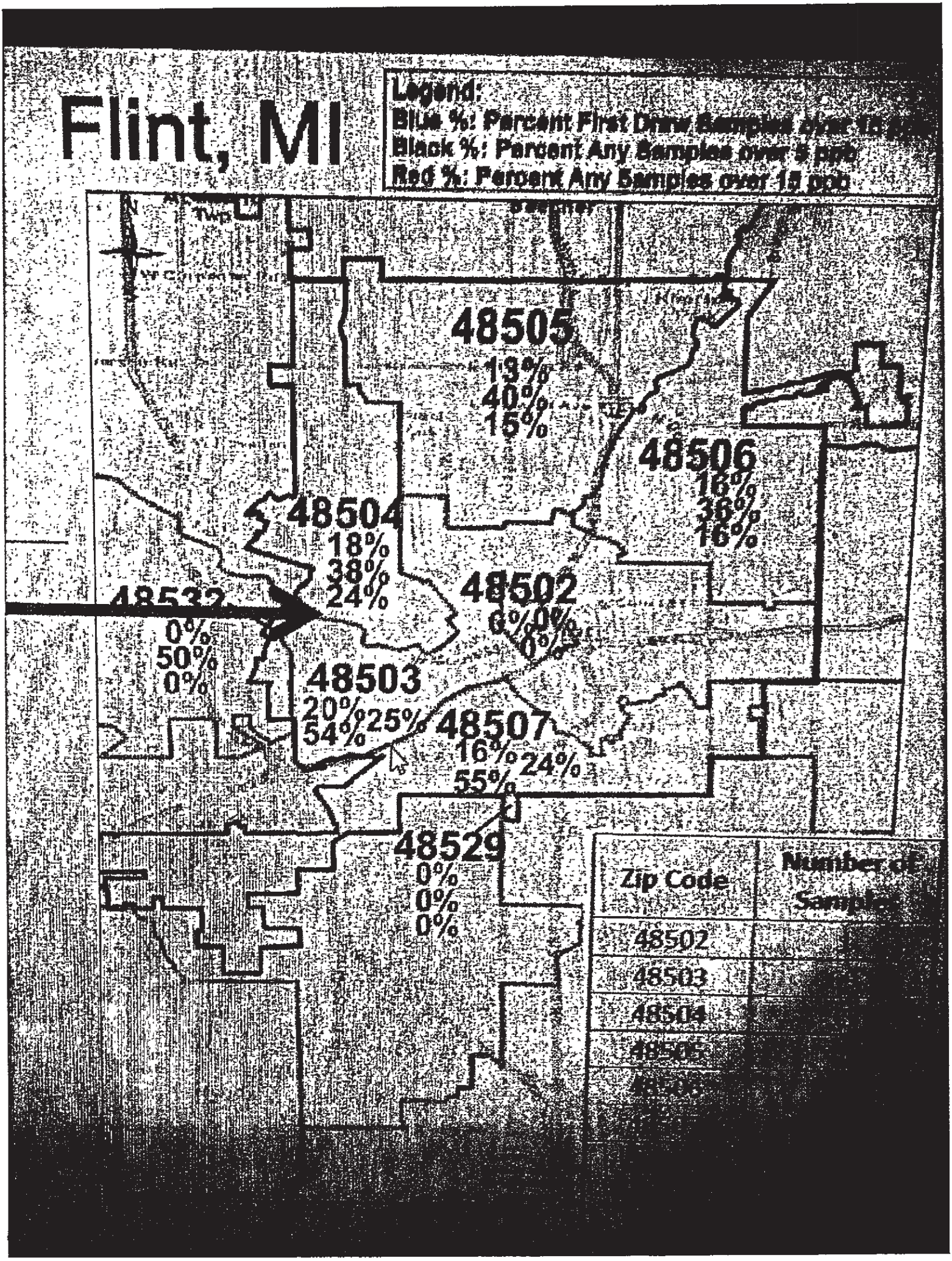
Attachment Description

Originating Position:	Originator Name:	
SEOC OPS Operations Section Chief	Gabriel Covey	
Point of Contact:	**Point of Contact Number:**	
Gabriel Covey	5179275362	
Priority	**Date/Time Due:**	**Date/Time Complete:**
3-Routine (24 hrs.)	01/22/2016 11:16:00	
Status: Assigned	**Assigned To:**	
	SEOC OPS Health and Env MDARD	

Record History View History

Comments Add Comment

Position	Name	Phone	Date/Time	Comment


Flint, MI
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Blue %: Percent First Draw Samples over 15 ppb
Black %: Percent Any Samples over 5 ppb
Red %: Percent Any Samples over 15 ppb
48505
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40%
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48506
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36%
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48504
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38%
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48502
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6%
48532
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50%
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48529
0%
0%
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Zip Code
Number of Samples
48502
48503
48504
48505
48506

Situation Report – 1/14/2016

Incident:	Flint Water Emergency Response		
Organization:	MDARD	Date/Time:	1/14/2016 (1500)

Submitter Information

Name:	Lisa Hainstock, Planning Section Chief
Phone:	517-284-5701
Email:	hainstockl@michigan.gov

Incident Summary

Summary of Prior Information and Previous Activities

- Decision made by MDARD to offer and collect water samples at food facilities on City of Flint water supply to test for lead.
- Developed industry directives on flushing and filtration requirements for food facilities, along with written offer of water sampling services
- MDARD has representative(s) currently operating at State Emergency Operations Center

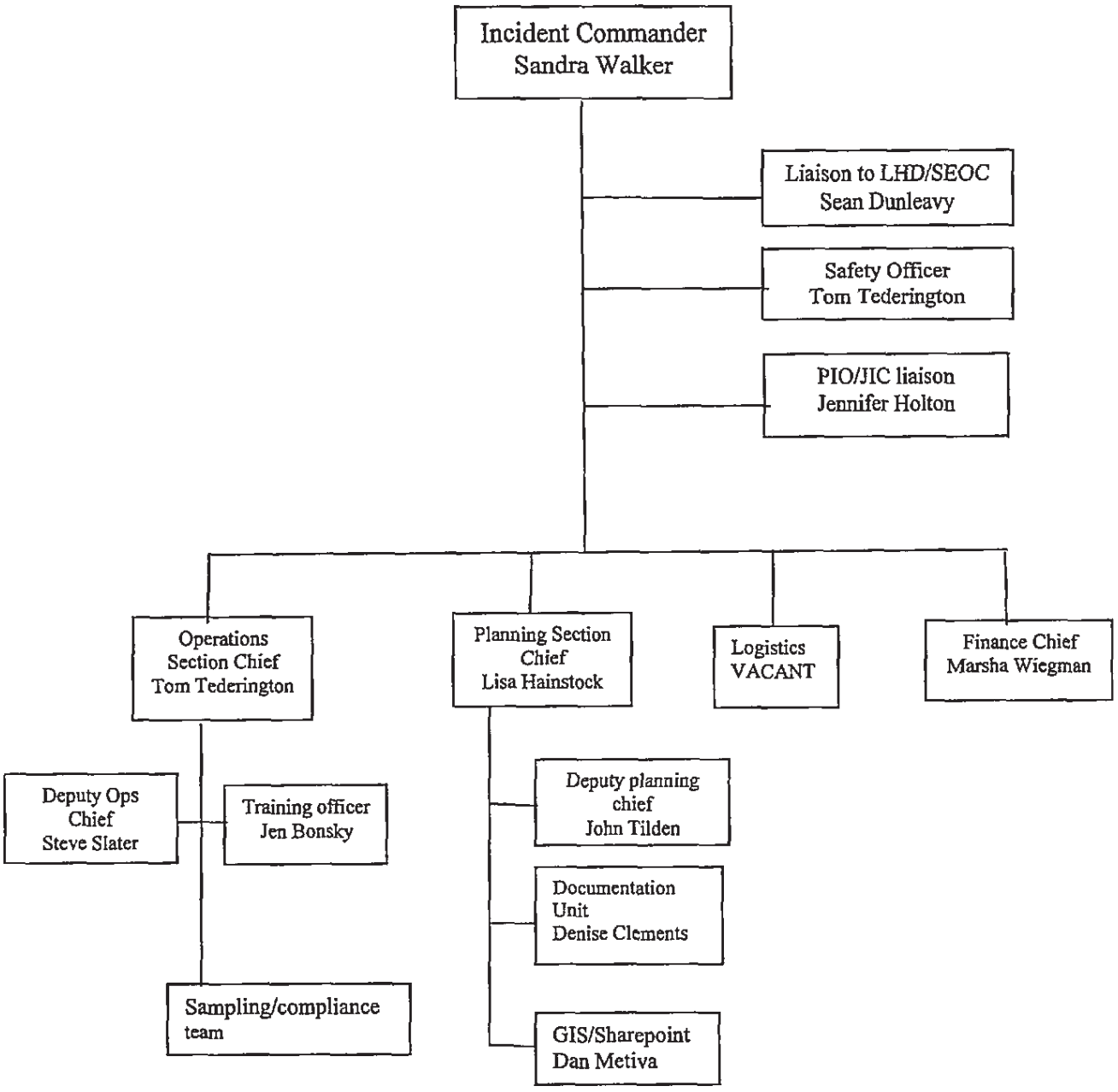
Summary of Current Operational Period's Objectives (op period):

- IMT to continue completion of tasks on FDD Response to Flint Water Emergency list, dated 1/13/2016.
- Call Center orientation/training (Beerbower) on sampling appointment scheduling, by COB 1/15
- Food facility notification on water supply requirements mailed to facilities, by COB 1/14
- IC to contact DEQ to obtain relevant forms/instructions and other resources, provide to JBonsky for Just in Time training session planned for morning of 1/20
- PC to contact D Metiva on GIS mapping capacity and development of Sharepoint site for documents
- Development of sampling spreadsheet to track appointment, sample collection date, receipt of sample results, to be placed on Sharepoint site.

Summary of Activities for 1/14/2016

- Initial tactics/planning meeting held (1330) to discuss assigned tasks, populate organizational chart and set objectives for next operational period.
- MDARD directive for food facilities in City of Flint approved, for distribution via USPS 1/14 and 1/15.
- Food facility notification on water supply requirements mailing to facilities completed

Incident Management Team Organizational Chart



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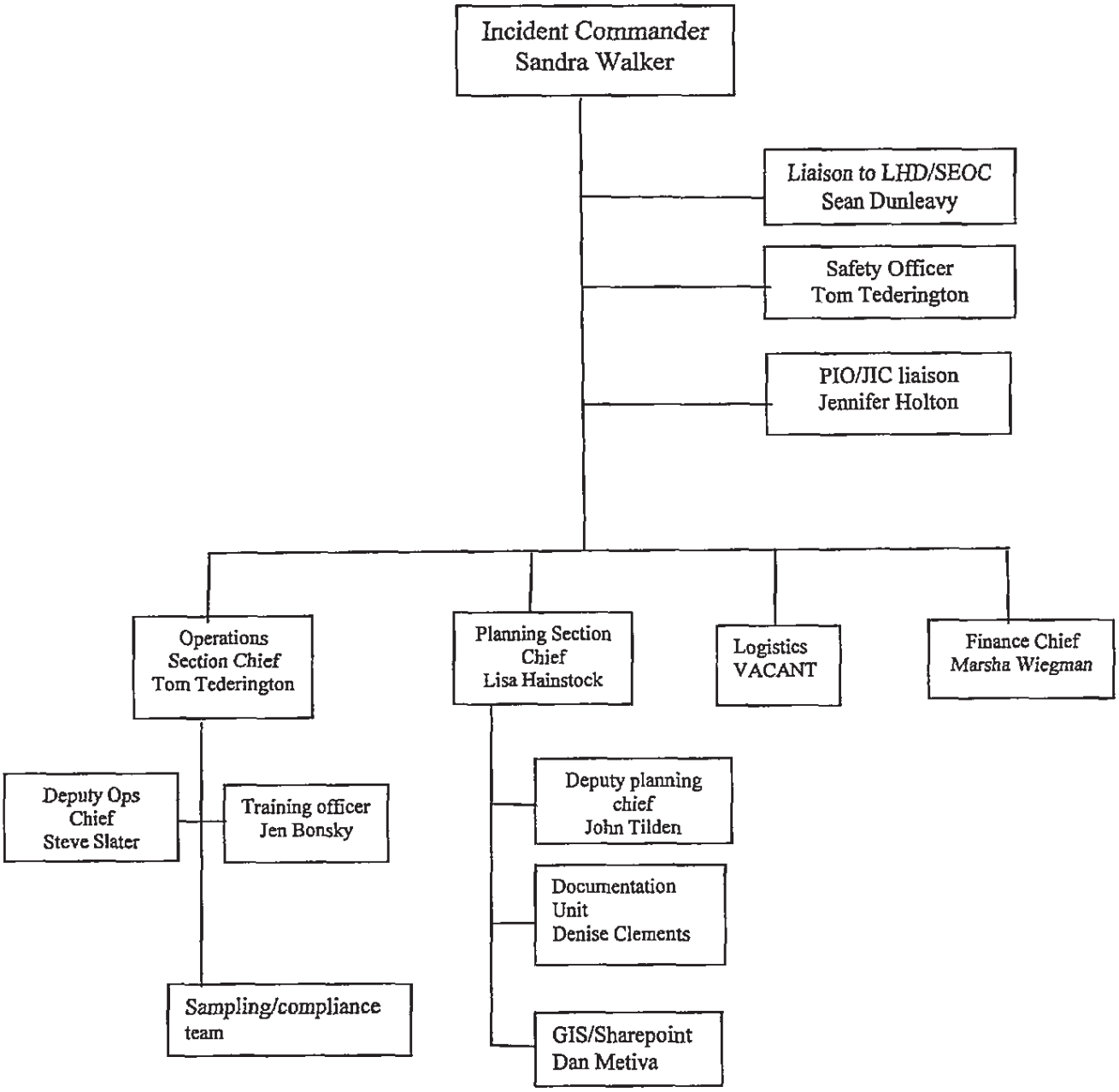

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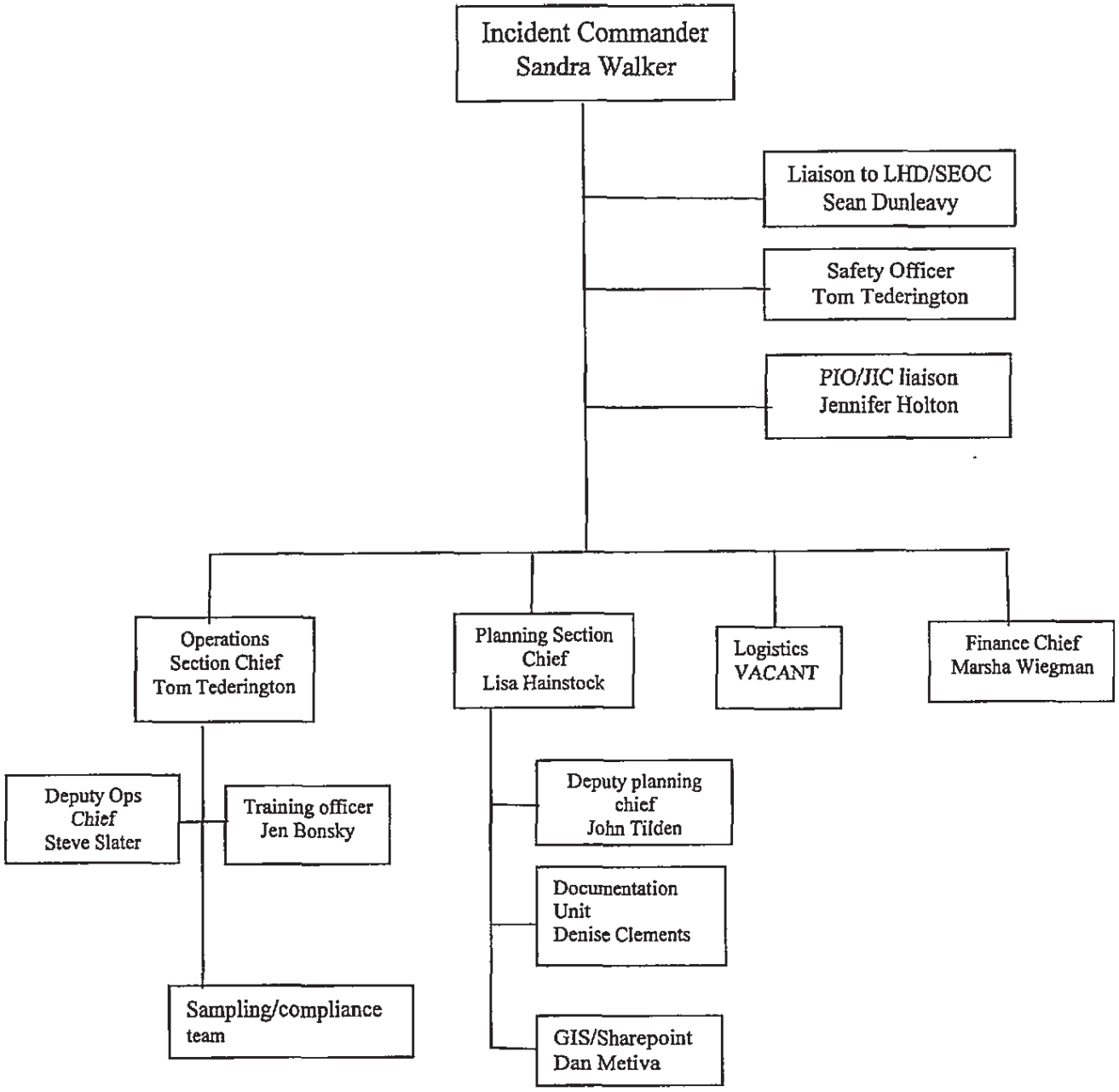
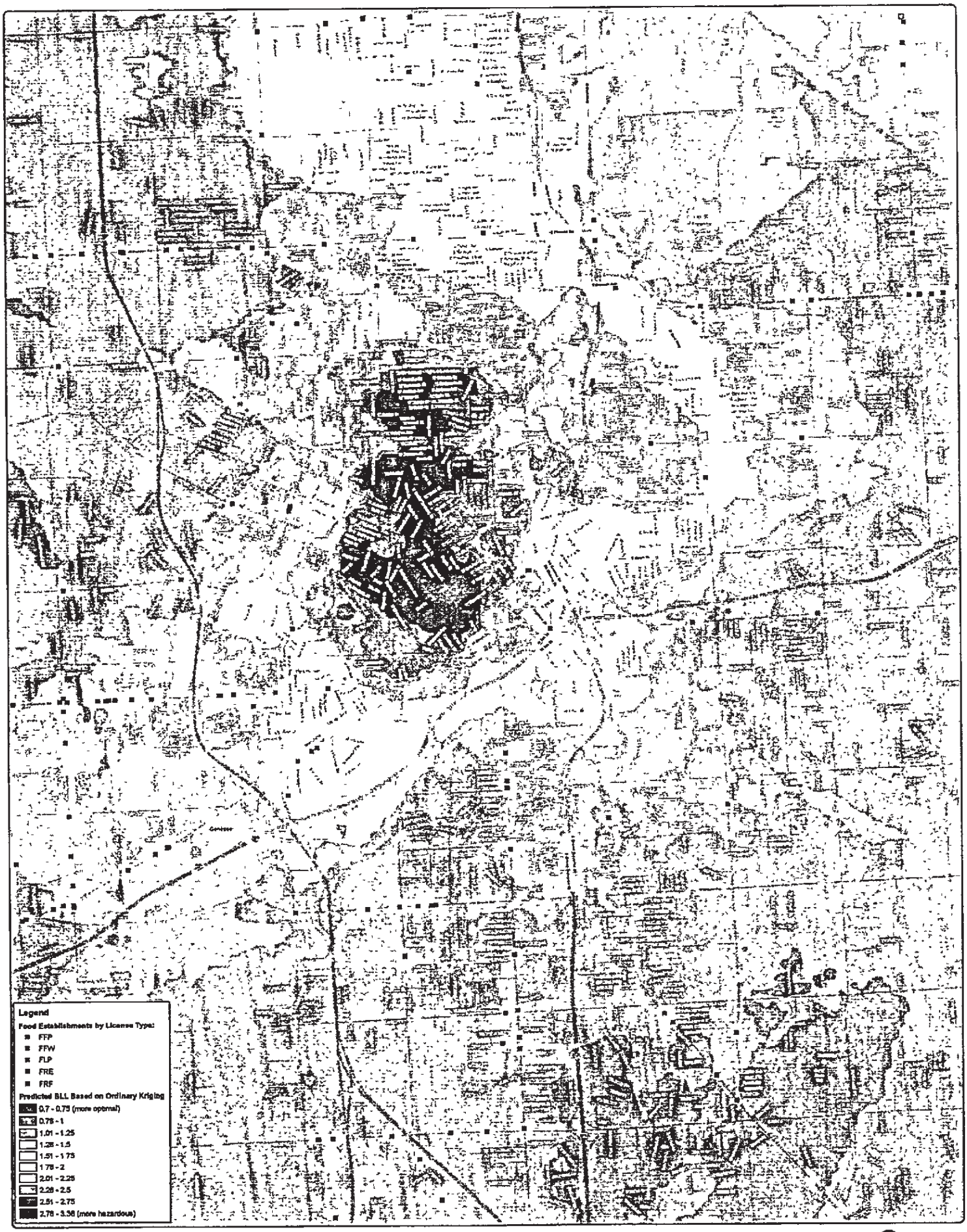


Flint Water Crisis - Food Establishments



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 1 2

This information is being provided by the City of Flint, Dr. Mona Hanna-Attisha, Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD). The MSP/EMHSD assumes no responsibility for the completeness or accuracy of the data displayed on this map. Data layers were compiled from various sources and are not to be construed as a legal description.

Author: MSP-SEOCGIS2@michigan.gov, (A111)
Created: 01:03 PM, 13 Jan 16

HIGH Risk Establishments				
ESTABLISHMENT NAME	ADDRESS	CITY	STATE	ZIP
A & N GAS INC	527 N GRAND TRAVERSE ST	FLINT	MI	48503
D & H MARKET	2134 M L KING AVE	FLINT	MI	48503
DAVIDS PARTY STORE INC	816 WELCH BLVD	FLINT	MI	48504
FARAHS FOOD MARKET	843 S STEVENSON	FLINT	MI	48506
HINKY DINKY MARKET	3110 MARTIN LUTHER KING BLVD	FLINT	MI	48505
K CS MARKET	1716 DUPONT ST	FLINT	MI	48504
KINGS MARKET	1602 OREN AVENUE	FLINT	MI	48503
REAL TREAT POPCORN CO	431 ASYLUM ST	FLINT	MI	48503
REAL TREAT POPCORN CO	507 ASYLUM ST	FLINT	MI	48503
S & E GAS STATION	1670 DUPONT ST	FLINT	MI	48504
TENACITY BREWING	119 N GRAND TRAVERSE	FLINT	MI	48503
V & T ENTERPRISES INC	1680 CHEVROLET	FLINT	MI	48504

Medium Risk Establishments				
ESTABLISHMENT NAME	ADDRESS	CITY	STATE	ZIP
4-WAY PARTY STORE	1302 DUPONT	FLINT	MI	48504
A & B GAS INC	2905 N SAGINAW ST	FLINT	MI	48505
A & N GAS INC	527 N GRAND TRAVERSE ST	FLINT	MI	48503
AAS GAS MART	1901 N DORT HWY	FLINT	MI	48506
AMAYSING CHEESECAKES	300 EAST FIRST ST	FLINT	MI	48502
AMIRAS BEER & WINE INC	3102 N SAGINAW ST	FLINT	MI	48505
ARELLANO AND ASSOCIATES LLC	300 E FIRST STREET	FLINT	MI	48502
BAGELS & BEANS	300 E FIRST ST	FLINT	MI	48502
BALKAN BAKING CO	1325 DAYTON ST	FLINT	MI	48504
BON APPETIT J DEANS SMOKEHOUSE	300 E FIRST ST	FLINT	MI	48502
BONGOS POPCORN LLC	300 E FIRST ST	FLINT	MI	48502
BROOKS TEA	2200 FOREST HILL	FLINT	MI	48504
BUNDY PRODUCE LLC	300 E FIRST ST	FLINT	MI	48502
CAKE LADIES I (THE)	1829 DELAWARE	FLINT	MI	48506
CHARMA'S GREEN CHIPS	300 E FIRST ST	FLINT	MI	48501
CHOCOLATES GALORE	300 FIRST ST	FLINT	MI	48502
CHUBBY DUCK LLC	300 E FIRST ST	FLINT	MI	48502
CINNAMOM BAKERY LLC	306 E FIRST ST	FLINT	MI	48502
COLEY CANTEEN SERVICES	1221 JAMES P COLE BLVD	FLINT	MI	48503
D & H MARKET	2134 M L KING AVE	FLINT	MI	48503
D & R MARKET INC	1402 N CHEVROLET AVE	FLINT	MI	48504
D VINE WINES	300 E FIRST ST #128	FLINT	MI	48502
DADO MARKET 1817 INC	1817 N SAGINAW	FLINT	MI	48505
DAVIDS PARTY STORE INC	816 WELCH BLVD	FLINT	MI	48504
DAVISON ROAD BAKERY	2420 DAVISON RD	FLINT	MI	48506
DAVISON ROAD MARKET	2319 DAVISON RD	FLINT	MI	48506
DAVISON ROAD QUIK STOP	2005 DAVISON RD	FLINT	MI	48506
DOLLAR & DIME INC	2513 N SAGINAW ST	FLINT	MI	48505
DOLLAR GENERAL STORE #9625	1717 N DORT HWY	FLINT	MI	48506
DOWNTOWN FOOD SHOP	615 HARRISON ST	FLINT	MI	48502
EASY PICK FOOD SHOPPE	2318 LEWIS ST	FLINT	MI	48506
FARAHS FOOD MARKET	843 S STEVENSON	FLINT	MI	48506
FLINT INGREDIENT CO/THE LOCAL GROCER	300 E FIRST ST	FLINT	MI	48502
FLINT RIVER FARM LLC	300 E FIRST ST	FLINT	MI	48502
FRANKLIN ST MINI MART	2702 N FRANKLIN AVE	FLINT	MI	48506
FRESH CHOICE MARKET PLACE FLINT	1916 DAVISON ROAD	FLINT	MI	48506
FRESH LAKE WHITEFISH CO THE	519 S SAGINAW ST	FLINT	MI	48502
GRAINERY HEALTH FOODS THE	809 CHURCH ST	FLINT	MI	48502
GREAT HARVEST BREAD CO	300 E FIRST ST	FLINT	MI	48502
GROUND FLOOR LLC	601 S SAGINAW	FLINT	MI	48502

HAPPY GIRL GRANOLA LLC	300 E FIRST ST	FLINT	MI	48502
HILLS HOME CURED CHEESE	300 E FIRST ST	FLINT	MI	48502
HINKY DINKY MARKET	3110 MARTIN LUTHER KING BLVD	FLINT	MI	48505
HOFFMANS CHOP SHOP	300 E 1ST ST	FLINT	MI	48502
HUGH GODFREY	300 E FIRST ST	FLINT	MI	48502
JAWHARI INVESTMENTS	300 E FIRST ST	FLINT	MI	48502
JF POPCORN	300 E FIRST ST	FLINT	MI	48502
JULES MARKET INC	2212 LEWIS ST	FLINT	MI	48506
K & J MARKET	2638 FLUSHING RD	FLINT	MI	48504
K CS MARKET	1716 DUPONT ST	FLINT	MI	48504
KANDY SHACK	1101 S SAGINAW ST	FLINT	MI	48502
KING OIL MART LLC	3317 MARTIN L KING AVE	FLINT	MI	48505
KINGS MARKET	1602 OREN AVENUE	FLINT	MI	48503
LEEAYS	300 E FIRST ST	FLINT	MI	48502
LEITH FOOD MARKET	1900 LEITH ST	FLINT	MI	48506
LIQUOR CORNER INC	3009 N SAGINAW ST	FLINT	MI	48505
M L K MARKET	1143 MARTIN LUTHER KING AVE	FLINT	MI	48503
MARCUS ARMSTRONG ENTERPRIZE	2418 DAVISON RD	FLINT	MI	48506
MARKET FRESH DONUTS BY PORTER'S	300 EAST 1ST ST	FLINT	MI	48502
MCCARRONS ORCHARD & BAKERY	300 E FIRST ST	FLINT	MI	48502
MERAUIZ OIL INC	2320 DAVISON RD	FLINT	MI	48506
MICHIGAN AT THE MARKET	300 E FIRST ST	FLINT	MI	48502
MICHIGAN NUT COMPANY LLC	300 E 1st Street	FLINT	MI	48502
MIDWAYS SUPERMARKET	1360 DUPONT ST	FLINT	MI	48504
MR BREAD INC	2709 DAVISON RD	FLINT	MI	48506
PRINCE PARTY STORE (THE)	808 W PASADENA	FLINT	MI	48504
QUIK PICK PARTY STORE	1742 W COURT ST	FLINT	MI	48503
REAL TREAT POPCORN CO	431 ASYLUM ST	FLINT	MI	48503
REAL TREAT POPCORN CO	507 ASYLUM ST	FLINT	MI	48503
RITE AID DISC PHARMACY #3780	1810 MAPLEWOOD AVE	FLINT	MI	48506
S & E GAS STATION	1670 DUPONT ST	FLINT	MI	48504
SAVE A LOT #308	1918 N DORT HWY	FLINT	MI	48506
SCOTTY DOTTY SHORTBREAD CO LLC	300 E FIRST ST	FLINT	MI	48502
SEMI-SWEETS LLC	300 E FIRST ST	FLINT	MI	48502
SMILE GREEN LLC	132 W 1ST ST	FLINT	MI	48502
SOOZIE QS	300 EAST FIRST STREET	FLINT	MI	48502
SOUTHERN PRIDE MARKET INC	2602 DAVISON RD	FLINT	MI	48506
STANLEYS MARKET	101 E FLINT PARK BLVD	FLINT	MI	48505
TENACITY BREWING	119 N GRAND TRAVERSE	FLINT	MI	48503
THE LOCAL GROCER	601 Martin Luther King	FLINT	MI	48502
UNCLE PETERS PASTIES / FLINT FARMERS MARKET	300 E FIRST ST	FLINT	MI	48502
UNIVERSITY OF MICHIGAN-FLINT CAMPUS-PAVILION BOOKSTORE #213	303 S SAGINAW ST	FLINT	MI	48502
V & T ENTERPRISES INC	1680 CHEVROLET	FLINT	MI	48504
WILDTREE	300 E FIRST ST	FLINT	MI	48502
Z'S LIQUOR MART	3007 N FRANKLIN AVE	FLINT	MI	48506

Requirements for Licensed Food Establishments Using City of Flint Water

January 13, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

- The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test." Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 a.m. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612.
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-3939.

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. Then flush other equipment such as pop machines for at least 1-2 minutes.
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
- Use cold water and store it for immediate consumption.
- Always use cold water for drinking, cooking and cleaning/rinsing food.
- Hot water must be used for dishwashing.

Other equipment that may use city water:

- Ice machines – Install a water filter on the supply line or use bagged ice in drinking water.
- Pop machines – Flush for 1 minute daily or use bottled beverages.
- Coffee machines or Tea Urns – Flush for 1-2 minutes daily or use filtered water. These products may be very low risk as young children under 6 are not likely to consume these.
- Slush machines – Use filtered water.
- Spray misters – Flush for 1-2 minutes daily or use filtered water.

A licensed plumber can check your plumbing and service lines for lead soldering or lead service lines.

MDHHS Michigan Department of Health & Human Services

DEQ

Michigan Department of Agriculture & Rural Development

Flint Water Response Team Plan for Wednesday, 01.20.16_V2.0_FINAL

Changes are highlighted in red

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
OGCS	Office of Genesee County Sheriff
HH	Household
LEOC	Local Emergency Operations Center
NG	National Guard

Key Leaders

WRT OIC	Lt. Amy Dehner	
ARC OIC	Robert Gaskill-Clemons	

Plan

Agency	Team Types	Mission	Priority Distribution Areas
MSP/NG	9 Teams	5400 HH	Target Areas 10-18
ARC	10 Type V	1200 HH	Target Areas 1-9

Resource Status

Team Type & Quantity	Type: N/A Quantity: 9				
Resource	***Minimum***	***Confirmed***	**Notes**	**Date**	**Time**
Team Leader	9	9		1/19/16	2004
16ft box truck	9	9		1/19/16	2004
Truck Driver	9	9		1/19/16	2004
Team Member	95	95		1/19/16	2004
Team Transport Vehicle for 6-9 Team Members	8	8		1/19/16	2004
Team Transport Driver	8	8		1/19/16	2004

Patrol Car	8	8		1/19/16	2004
iPads	16	16		1/19/16	2004
Hand Warmers	300	300		1/19/16	2004
Vests	0	0		1/19/16	2004
Distribution Kit	N/A	N/A		1/19/16	2004

Team Type & Quantity	Type: Type V Quantity: 10				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	10	10		1/19/16	2004
ARC ERV	10	10		1/19/16	2004
ARC ERV Driver	10	10		1/19/16	2004
16ft box truck	0	0		1/19/16	2004
Truck Driver	0	0		1/19/16	2004
Team Member	30-60	30		1/19/16	2004
Team Transport Vehicle for 2-4 Team Members	10	10		1/19/16	2004
Team Transport Vehicle Driver	10	10		1/19/16	2004
Patrol Car	0	0		1/19/16	2004
iPads	10-20	10		1/19/16	2004
Hand Warmers	60	382		1/19/16	2004
Distribution Kit	100	1200		1/19/16	2004

Execution:

Key Locations

Team	Assembly Area	Hours of Operation
OGCS/MSP	LEOC Genesee County Administration Building	0830-1600

	1101 Beach St, Flint	
ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Critical Task: Assemble, coordinate, and monitor WRTs

OGCS/MSP Process:

1. Assign team leaders, team members, and routes to teams
2. Team Member check in
3. Conduct pre-deployment briefing to include team mission assignments, concept of operations, deployment locations, replenishment process, reporting process, and safety briefings (refer to OGCS_MSP WRT Volunteer Assembly Information V2.0_011816 for detailed information on volunteer processing at LEOC)
5. Provide training to new team members
6. Issue vest and badge to team members
7. Execute morning distribution assignment
8. Lunch served between 1230-1330
9. WRT OIC and Team Leaders midday brief
10. Execute afternoon distribution assignment
11. Conduct post-deployment debrief with team leaders and members
12. Collect vest and badge from team members

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
GCSO/MSP	0 Distribution Kits Remaining	Distribution Route: exact location determined by Team Leader	1. Contact warehouse to request replenishment truck 2. Coordinate *replenishment location* with warehouse 3. Exchange replenishment truck with empty truck
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix

Lunch

OGCS/MSP WRTs lunches will be provided by the ARC and coordinated by LEOC Logistics.

Reporting:

Tactics:

1. All WRTs will utilize ipads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if ipads fail.

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT

JAMIE CLOVER ADAMS
DIRECTOR

January 14, 2016

Attention: Food Establishments using City of Flint water supply

Dear Food Establishment Operator:

On October 5, 2015, you were sent a document recommending actions to take to avoid the risk of serving lead contaminated water to your customers. Effective immediately, the recommendations have been changed to a legal requirement, and food establishment license enforcement action may be taken if non-compliance is found until the public health emergency declaration has been lifted.

Please see the updated attached requirements sheet. Immediate action may be needed by your establishment to come into compliance.

Your establishment has three options:

1. Demonstrate your establishment is not using the City of Flint water supply for drinking, processing or cooking.
2. Demonstrate your water has been tested and is safe to use. You may request free testing by a regulatory official. To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939, M-F, and state you're a "Flint food establishment requesting a water test". Be prepared to provide a sampling time when your entire water system won't have been used for at least 6 hours. Sampling appointments between 5 a.m. and 4 p.m. are available. State offices are closed on January 18, 2016
3. Install water filters as needed, and do daily flushing of unfiltered faucets and hard plumbed equipment. (Discontinuing use, flushing, etc. will still be needed until a safe water test is obtained).

Michigan Department of Agriculture and Rural Development inspectors are assisting the Genesee County Health Department in conducting sampling and inspections, so you may work with a different person other than your regular food safety inspector. Inspectors will also be making visits to establishments in the coming weeks to provide assistance and verify compliance.

For additional information, call 1-800-292-3939 or for the latest information on the Flint water response visit www.michigan.gov/flintwater. We look forward to assisting you in any way possible.

Sincerely,

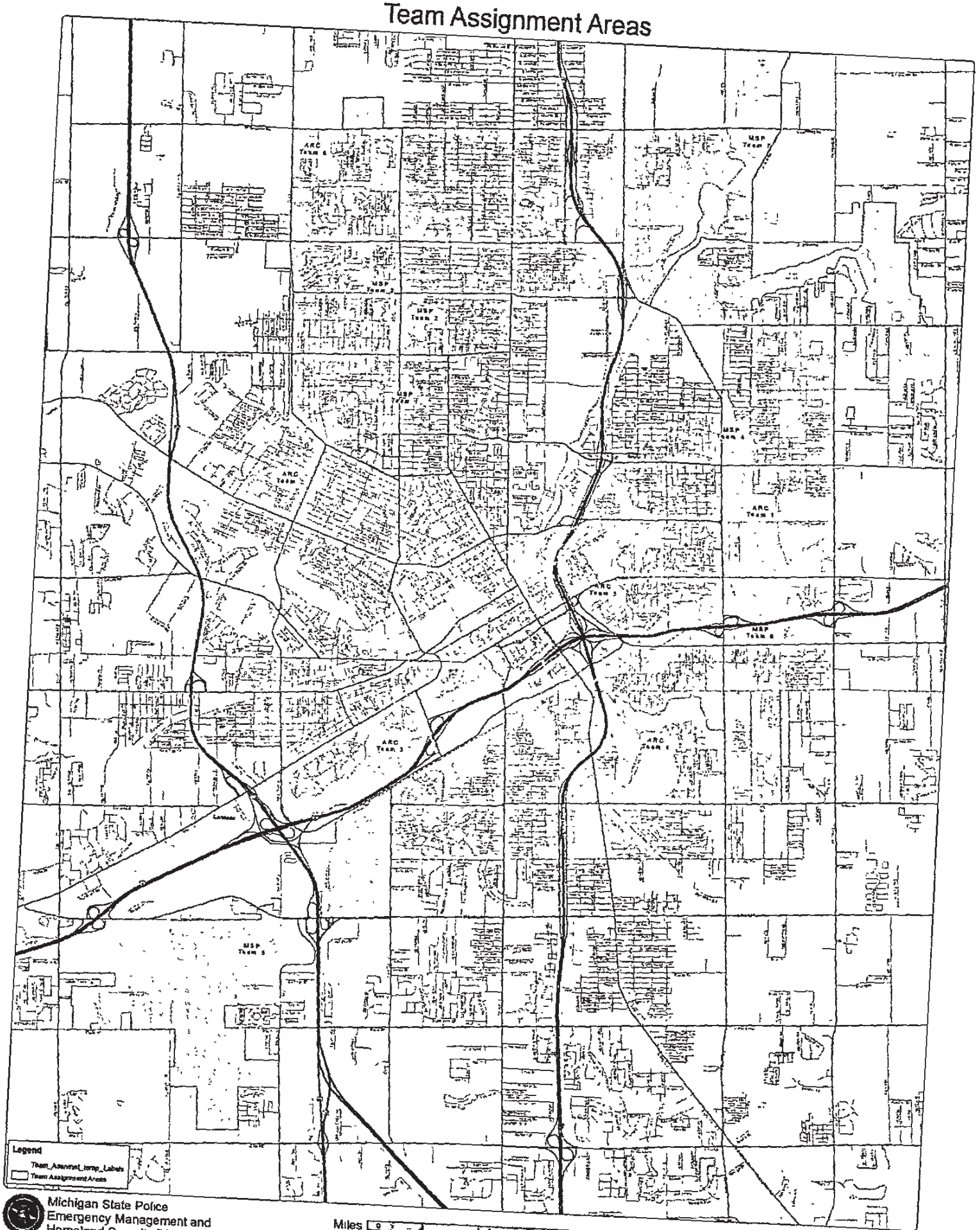
Kevin Besey, Director
Food and Dairy Division
Michigan Department of Agriculture and Rural Development

HIGH Risk Establishments				
ESTABLISHMENT NAME	ADDRESS	CITY	STATE	ZIP
A & N GAS INC	527 N GRAND TRAVERSE ST	FLINT	MI	48503
D & H MARKET	2134 M L KING AVE	FLINT	MI	48503
DAVIDS PARTY STORE INC	816 WELCH BLVD	FLINT	MI	48504
FARAHS FOOD MARKET	843 S STEVENSON	FLINT	MI	48506
HINKY DINKY MARKET	3110 MARTIN LUTHER KING BLVD	FLINT	MI	48505
K CS MARKET	1716 DUPONT ST	FLINT	MI	48504
KINGS MARKET	1602 OREN AVENUE	FLINT	MI	48503
REAL TREAT POPCORN CO	431 ASYLUM ST	FLINT	MI	48503
REAL TREAT POPCORN CO	507 ASYLUM ST	FLINT	MI	48503
S & E GAS STATION	1670 DUPONT ST	FLINT	MI	48504
TENACITY BREWING	119 N GRAND TRAVERSE	FLINT	MI	48503
V & T ENTERPRISES INC	1680 CHEVROLET	FLINT	MI	48504

Medium Risk Establishments				
ESTABLISHMENT NAME	ADDRESS	CITY	STATE	ZIP
4-WAY PARTY STORE	1302 DUPONT	FLINT	MI	48504
A & B GAS INC	2905 N SAGINAW ST	FLINT	MI	48505
A & N GAS INC	527 N GRAND TRAVERSE ST	FLINT	MI	48503
AAS GAS MART	1901 N DORT HWY	FLINT	MI	48506
AMAYSING CHEESECAKES	300 EAST FIRST ST	FLINT	MI	48502
AMIRAS BEER & WINE INC	3102 N SAGINAW ST	FLINT	MI	48505
ARELLANO AND ASSOCIATES LLC	300 E FIRST STREET	FLINT	MI	48502
BAGELS & BEANS	300 E FIRST ST	FLINT	MI	48502
BALKAN BAKING CO	1325 DAYTON ST	FLINT	MI	48504
BON APPETIT J DEANS SMOKEHOUSE	300 E FIRST ST	FLINT	MI	48502
BONGOS POPCORN LLC	300 E FIRST ST	FLINT	MI	48502
BROOKS TEA	2200 FOREST HILL	FLINT	MI	48504
BUNDY PRODUCE LLC	300 E FIRST ST	FLINT	MI	48502
CAKE LADIES I (THE)	1829 DELAWARE	FLINT	MI	48506
CHARMA'S GREEN CHIPS	300 E FIRST ST	FLINT	MI	48501
CHOCOLATES GALORE	300 FIRST ST	FLINT	MI	48502
CHUBBY DUCK LLC	300 E FIRST ST	FLINT	MI	48502
CINNAMOM BAKERY LLC	306 E FIRST ST	FLINT	MI	48502
COLEY CANTEEN SERVICES	1221 JAMES P COLE BLVD	FLINT	MI	48503
D & H MARKET	2134 M L KING AVE	FLINT	MI	48503
D & R MARKET INC	1402 N CHEVROLET AVE	FLINT	MI	48504
D VINE WINES	300 E FIRST ST #128	FLINT	MI	48502
DADO MARKET 1817 INC	1817 N SAGINAW	FLINT	MI	48505
DAVIDS PARTY STORE INC	816 WELCH BLVD	FLINT	MI	48504
DAVISON ROAD BAKERY	2420 DAVISON RD	FLINT	MI	48506
DAVISON ROAD MARKET	2319 DAVISON RD	FLINT	MI	48506
DAVISON ROAD QUIK STOP	2005 DAVISON RD	FLINT	MI	48506
DOLLAR & DIME INC	2513 N SAGINAW ST	FLINT	MI	48505
DOLLAR GENERAL STORE #9625	1717 N DORT HWY	FLINT	MI	48506
DOWNTOWN FOOD SHOP	615 HARRISON ST	FLINT	MI	48502
EASY PICK FOOD SHOPPE	2318 LEWIS ST	FLINT	MI	48506
FARAHS FOOD MARKET	843 S STEVENSON	FLINT	MI	48506
FLINT INGREDIENT CO/THE LOCAL GROCER	300 E FIRST ST	FLINT	MI	48502
FLINT RIVER FARM LLC	300 E FIRST ST	FLINT	MI	48502
FRANKLIN ST MINI MART	2702 N FRANKLIN AVE	FLINT	MI	48506
FRESH CHOICE MARKET PLACE FLINT	1916 DAVISON ROAD	FLINT	MI	48506
FRESH LAKE WHITEFISH CO THE	519 S SAGINAW ST	FLINT	MI	48502
GRAINERY HEALTH FOODS THE	809 CHURCH ST	FLINT	MI	48502
GREAT HARVEST BREAD CO	300 E FIRST ST	FLINT	MI	48502
GROUND FLOOR LLC	601 S SAGINAW	FLINT	MI	48502

HAPPY GIRL GRANOLA LLC	300 E FIRST ST	FLINT	MI	48502
HILLS HOME CURED CHEESE	300 E FIRST ST	FLINT	MI	48502
HINKY DINKY MARKET	3110 MARTIN LUTHER KING BLVD	FLINT	MI	48505
HOFFMANS CHOP SHOP	300 E 1ST ST	FLINT	MI	48502
HUGH GODFREY	300 E FIRST ST	FLINT	MI	48502
JAWHARI INVESTMENTS	300 E FIRST ST	FLINT	MI	48502
JF POPCORN	300 E FIRST ST	FLINT	MI	48502
JULES MARKET INC	2212 LEWIS ST	FLINT	MI	48506
K & J MARKET	2638 FLUSHING RD	FLINT	MI	48504
K CS MARKET	1716 DUPONT ST	FLINT	MI	48504
KANDY SHACK	1101 S SAGINAW ST	FLINT	MI	48502
KING OIL MART LLC	3317 MARTIN L KING AVE	FLINT	MI	48505
KINGS MARKET	1602 OREN AVENUE	FLINT	MI	48503
LEEAYS	300 E FIRST ST	FLINT	MI	48502
LEITH FOOD MARKET	1900 LEITH ST	FLINT	MI	48506
LIQUOR CORNER INC	3009 N SAGINAW ST	FLINT	MI	48505
M L K MARKET	1143 MARTIN LUTHER KING AVE	FLINT	MI	48503
MARCUS ARMSTRONG ENTERPRIZE	2418 DAVISON RD	FLINT	MI	48506
MARKET FRESH DONUTS BY PORTER'S	300 EAST 1ST ST	FLINT	MI	48502
MCCARRONS ORCHARD & BAKERY	300 E FIRST ST	FLINT	MI	48502
MERAUIZ OIL INC	2320 DAVISON RD	FLINT	MI	48506
MICHIGAN AT THE MARKET	300 E FIRST ST	FLINT	MI	48502
MICHIGAN NUT COMPANY LLC	300 E 1st Street	FLINT	MI	48502
MIDWAYS SUPERMARKET	1360 DUPONT ST	FLINT	MI	48504
MR BREAD INC	2709 DAVISON RD	FLINT	MI	48506
PRINCE PARTY STORE (THE)	808 W PASADENA	FLINT	MI	48504
QUIK PICK PARTY STORE	1742 W COURT ST	FLINT	MI	48503
REAL TREAT POPCORN CO	431 ASYLUM ST	FLINT	MI	48503
REAL TREAT POPCORN CO	507 ASYLUM ST	FLINT	MI	48503
RITE AID DISC PHARMACY #3780	1810 MAPLEWOOD AVE	FLINT	MI	48506
S & E GAS STATION	1670 DUPONT ST	FLINT	MI	48504
SAVE A LOT #308	1918 N DORT HWY	FLINT	MI	48506
SCOTTY DOTTY SHORTBREAD CO LLC	300 E FIRST ST	FLINT	MI	48502
SEMI-SWEETS LLC	300 E FIRST ST	FLINT	MI	48502
SMILE GREEN LLC	132 W 1ST ST	FLINT	MI	48502
SOOZIE QS	300 EAST FIRST STREET	FLINT	MI	48502
SOUTHERN PRIDE MARKET INC	2602 DAVISON RD	FLINT	MI	48506
STANLEYS MARKET	101 E FLINT PARK BLVD	FLINT	MI	48505
TENACITY BREWING	119 N GRAND TRAVERSE	FLINT	MI	48503
THE LOCAL GROCER	601 Martin Luther King	FLINT	MI	48502
UNCLE PETERS PASTIES / FLINT FARMERS MARKET	300 E FIRST ST	FLINT	MI	48502
UNIVERSITY OF MICHIGAN-FLINT CAMPUS-PAVILION BOOKSTORE #213	303 S SAGINAW ST	FLINT	MI	48502
V & T ENTERPRISES INC	1680 CHEVROLET	FLINT	MI	48504
WILDTREE	300 E FIRST ST	FLINT	MI	48502
Z'S LIQUOR MART	3007 N FRANKLIN AVE	FLINT	MI	48506

Team Assignment Areas



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT

JAMIE CLOVER ADAMS
DIRECTOR

May 14, 2013

Mr. William Foust
Ms. Jennerfer Torres-Hernandez
FDA/ORA/Office of Partnerships
12420 Parklawn Drive, Room 3017
Rockville, MD 20857

Dear Mr. Faust and Ms. Torres-Hernandez:

Re: Food Protection Rapid Response Team (U18) – FDA-FD-13-006

This letter serves as the letter of intent for the Michigan Department of Agriculture and Rural Development's desire to continue our involvement with the FDA's Rapid Response Team (RRT) efforts for an additional three years, not to exceed $300,000.00 per year for each of the three years.

As one of the first six states in the RRT program, Michigan has worked diligently and seen dramatic improvements in our capabilities relating to illness investigation and response on food and feed issues. Our plans and procedures for field investigations and assessments have been strengthened, as has our collaborative working relationship with the FDA-Detroit District and our fellow RRT states. The development of the RRT Manual has helped to provide guidance for Michigan and the other RRT states, as well as those not in the RRT program. Over the next three years, Michigan will further develop, implement, and evaluate our all-hazards preparedness, response, mitigation, recovery, and prevention efforts for food and feed.

We appreciate the investment being made by FDA into the State of Michigan over the last five years and look forward to the continued partnership as we move toward a sustained multi-jurisdictional response structure for the national integrated food safety system. For Program Director and Principal Investigator and key personnel, please see page 2.

Sincerely,

Brad Deacon
Emergency Management &
Administrative Law Coordinator

Cc: Art Czabaniuk, FDA-DDO

Michigan RRT Cooperative Agreement Project Point of Contact and Key Personnel

Brad Deacon (PD/PI) Emergency Management Coordinator Michigan Dept. of Agriculture & Rural Development 525 W. Allegan Lansing, MI 48909 Phone: (517) 241 4085 Fax: (517) 335-1423 Email: deaconb9@michigan.gov	Dr. John Tilden (PI) Food Safety, Planning & Response Section, Food & Dairy Division Michigan Dept. of Agriculture & Rural Development 525 West Allegan PO Box 30017 Lansing, MI 48909 Phone: (517) 373-1060 Fax: (517) 373-3333 Email: tildenj@michigan.gov

RRT Cooperative Agreement Project Key Personnel

Kevin Besey, Director, Food & Dairy Division
Gina Alessandri, Director, Pesticide and Plant Pest Management Division
Bonnie Moon, Director, Laboratory Division
Byron Beerbower, Food Safety, Planning & Response Section, Food & Dairy Division
Justin Henderson, Food Safety, Planning & Response Section, Food & Dairy Division
Jennifer Bonsky, Food Safety, Planning & Response Section, Food & Dairy Division
Jeff Haarer, Producer Security and Agricultural Products Unit, Pesticide and Plant Pest Management Division
April Hunt, Producer Security and Agricultural Products Unit, Pesticide and Plant Pest Management Division
Tim Lyons, Producer Security and Agricultural Products Unit, Pesticide and Plant Pest Management Division
Dr. Kay Fritz, Toxicologist, Emergency Management Section, Executive Office

Michigan Department of Agriculture and Rural Development
525 West Allegan, PO Box 30017, Lansing, MI 48909
Ph: 517-373-1060 Fax: 517-373-3333

Flint JIC Staffing – Jan. 11-24

Position	Monday Jan. 11	Tuesday Jan. 12	Wednesday Jan. 13	Thursday Jan. 14	Friday Jan. 15	Saturday Jan. 16	Sunday Jan. 17
Gov Office	Meegan Holland	Meegan Holland	Jordan Kennedy	Laura Biehl	Jessica Brown		
JIC Leader	Nicole Lisabeth	Nicole Lisabeth	Nicole Lisabeth Shanon Banner	Shanon Banner	Nicole Lisabeth	Nicole Lisabeth	Shanon Banner
MDHHS	Angela Minicuci	Jennifer Eisner	Angela Minicuci	Jen Eisner Bob Wheaton	Jen Eisner	Bob Wheaton	Jen Eisner
National Guard			Col. Bill Humes	Col. Bill Humes	Col. Bill Humes		
DEQ	Melanie Brown	------	Melanie Brown (in at 9 a.m.)	Mel Brown	Melanie Brown (in at 9 a.m.)	Mel Brown	Mel Brown
Media Event Planning (if needed)	Tiffany Brown	Tiffany Brown	Tiffany Brown	Tiffany Brown	Bob Wheaton	Tiffany Brown	Tiffany Brown
Web EOC & JIC Planning	Ron Leix	Ron Leix	Heather Throne	Ron Leix	Ron Leix		
Social Media	Sierra Medrano (Remote)	Sierra Medrano (Remote)	Sierra Medrano (Remote)	Sierra Medrano (Remote)	Cheri Cavanaugh	Sierra Medrano	Sierra Medrano
Hotline	Heather Throne (9:30a-4:30p)	Heather Throne 9:30a-4:30p	Heather Throne	Caleb Buhs	Heather Throne		Caleb Buhs
Writer 1		Kerry Wieber	Kerry Wieber	Kerry Wieber	Kerry Wieber (out at noon)	Tiffany Brown	Tiffany Brown
Writer 2			Tiffany Brown	Tiffany Brown	Jason Moon		
Media Monitoring				Jason Moon	Cheri Cavanaugh	Sierra Medrano	Sierra Medrano
Web content development				Caleb Buhs			
Field PIO	Spl/F/Lt. David Kaiser	Spl/F/Lt. David Kaiser	Spl/F/Lt. David Kaiser	Spl/F/Lt. David Kaiser	Spl/F/Lt. David Kaiser		
SEOC PIO liaison	Jane Yount	Jane Yount	Jane Yount	Jane Yount	Jane Yount	Jane Yount	Jane Yount

Position	Monday Jan. 18	Tuesday Jan. 19	Wednesday Jan. 20	Thursday Jan. 21	Friday Jan. 22	Saturday Jan. 23	Sunday Jan. 24
Gov Office							
JIC Leader	Shanon Banner	Nicole Lisabeth	Nicole Lisabeth	Nicole Lisabeth	Nicole Lisabeth		
MDHHS	?	?	?	?	Angela Minicuci	Angela Minicuci	Angela Minicuci
DEQ	Mel Brown	?	Mel Brown	?	?		
National Guard	?	?	?	?	?		
Media Event Planning (if needed)	Tiffany Brown						
Web EOC & JIC Planning	Ron Leix	Ron Leix	Ron Leix	Ron Leix	Ron Leix		
Social Media	Sierra Medrano		Cheri Cavanaugh		Cheri Cavanaugh		
Hotline		Jeanne Hausler	Megan Sprague	Megan Sprague	Jason Moon		
Writer 1	Tiffany Brown		Terry Stanton	Terry Stanton	Mary Kay Bean		
Writer 2	Jocelyn Hall		Jocelyn Hall	Mary Kay Bean			
Media Monitoring	Sierra Medrano		Cheri Cavanaugh	Jeanne Hausler	Cheri Cavanaugh		
Web content development							
Field PIO							
SEOC PIO liaison							

Non-Stafford Act Recovery Guide

Developing and Coordinating Resources

FEMA

Region V

FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.

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Introduction

Purpose of the Guide

This guide provides a framework or strategy for government and non-government disaster recovery stakeholders at all levels to assess, plan for, and support the recovery of communities following events that do not rise to the level of or receive a Stafford Act declaration (herein referred to as "non-Stafford Act events"). To support this overall objective, this guide focuses on achieving three major goals:

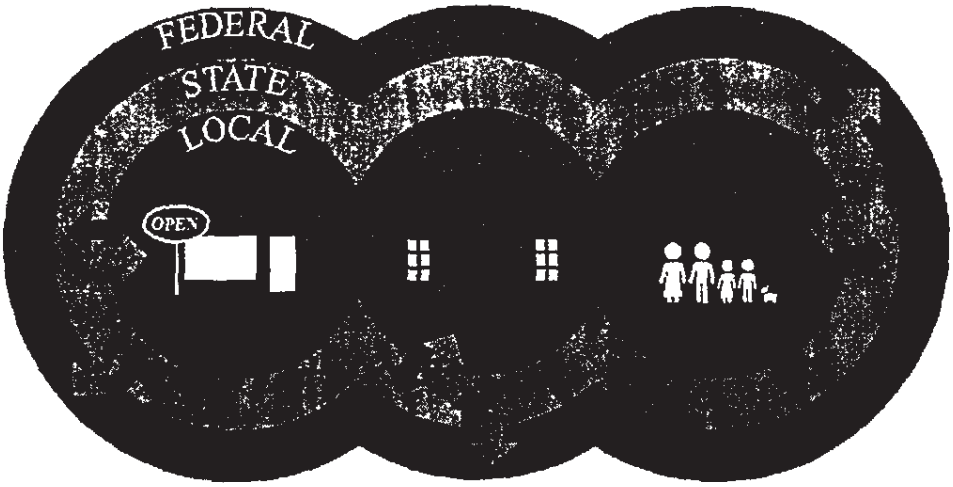
1. Emphasize the importance of local, State, and Tribal governments in assessing and addressing the needs of affected communities following non-Stafford Act disasters
2. Encourage the development of engaged partnerships between emergency management and non-emergency management stakeholders
3. Provide a framework that supports unified recovery-focused coordination between local, Tribal, State, and Federal agencies, non-governmental organizations, and the private sector

These objectives are intended to provide recovery stakeholders the means to identify and coordinate the resources necessary to support sustainable recovery solutions at the State, Tribal, and local level utilizing the principles of the National Disaster Recovery Framework (NDRF).

For the purposes of this document, non-Stafford Act events are defined as events that have recovery requirements exceeding the capability of individuals and the local community, but do not exceed the capabilities of the State.

Background

Subsequent to a Stafford Act declaration, the State and Federal government coordinate available resources to assist individuals and communities recover from the disaster. Although resources made available through specific Stafford Act authorities would not be provided in a non-Stafford Act event, many resources are available to States, Tribes, and local governments that can be used to support the recovery of the whole community.



The impact of concentrated damage can be overwhelming, even to well-resourced or resilient communities. Often times systems are disrupted, need exceeds individual resources, regular service providers are overwhelmed, and networks necessary to address disaster related needs do not exist. With capabilities exceeded, outside resources and expertise may be required to support the local community.

State agencies may have programs or grants that can generally be *re-prioritized* to meet identified recovery needs and goals. Federal presence, if warranted, is typically limited to technical assistance following non-Stafford Act events; however, a limited number of Federal agencies like the Small Business Administration (SBA) and the United States Department of Agriculture (USDA) do maintain programs or authorities that can directly support the needs of impacted communities outside Stafford Act declaration.

Principles and Concepts of the National Disaster Recovery Framework

The resources and needs of impacted States, Tribes, and communities may differ following a non-Stafford Act event; however, the nine core principles and the key concepts set forth in the NDRF can be equally applied to any event and any jurisdiction to holistically support recovery. For more information visit the National Disaster Recovery Framework website at www.fema.gov/national-disaster-recovery-framework .

Core Principles:

- Individual and family empowerment
- Leadership and local primacy
- Pre-disaster recovery planning
- Partnerships and inclusiveness
- Public information
- Unity of effort
- Timeliness and flexibility
- Resilience and sustainability
- Psychological and emotional recovery

Key Concepts:

Structure
The NDRF provides a scalable structure for organizing recovery operations around the needs of the community through the six identified Recovery Support Functions (RSFs);

- Community Planning and Capacity Building
- Economic
- Health and Social Services
- Housing
- Infrastructure
- Natural and Cultural Resources

These sector-specific functions can be developed at any level of government to facilitate problem solving and foster coordination among recovery stakeholders.

Planning
Recovery planning is set forth in the NDRF as a critical activity that should begin prior to an event and extend through all phases of the emergency management cycle. Successful recovery planning requires active engagement with and between all levels government, nongovernmental organizations, the private sector, and the community itself in order to increase post-disaster collaboration and unified decision-making.

Leadership
The NDRF outlines leadership positions at the local, State, and Tribal levels through Local Disaster Recovery Managers, State Disaster Recovery Coordinators, and Tribal Disaster Recovery Coordinators. Individuals in these positions are intended to serve as the primary point of contact for recovery for their jurisdiction, and are responsible for organizing, coordinating, and advancing recovery in all phases of the emergency management cycle.

Following a non-Stafford Act event, the State may also request the support of a Federal Disaster Recovery Coordinator or recovery advisor/liaison to provide technical assistance. When deployed or engaged, these representatives support the State by providing relevant subject matter expertise, and facilitating enhanced coordination between Federal agencies and State recovery leadership.

When combined with the full involvement of all stakeholders and realistic and well-communicated expectations, the concepts and principles outlined in the NDRF can be used as building blocks to develop resiliency and support a successful recovery following a non-Stafford Act event.

General Recovery Needs

Understanding the needs of a community is critical to the development of appropriate structures, plans, and partnerships to support recovery. Specific needs will vary by event and community, and need to be assessed holistically following an event. Categorizing needs prior to an event may be helpful in identifying recovery partners and programs. Examples may include:

Individual needs

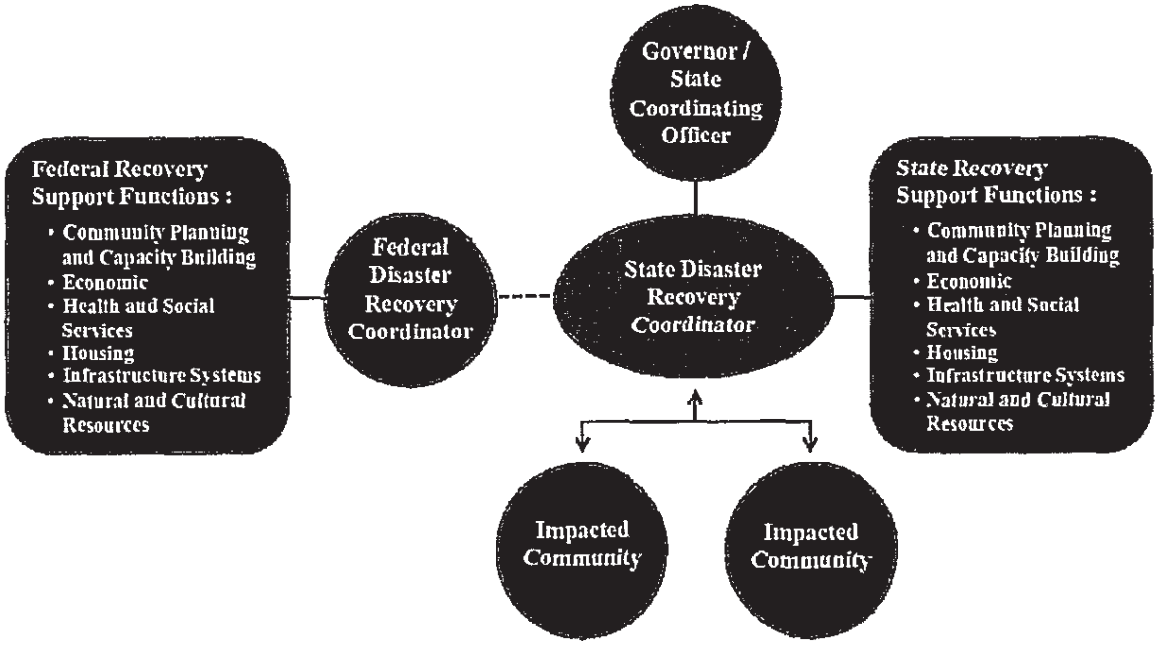
- Temporary housing (rental assistance or other temporary housing)
- Home repair/rebuild assistance (real property and mechanicals)
- Medical, dental, funeral assistance (including the replacement of damaged durable medical equipment)
- Personal property (clothing, household items, furniture, appliances) replacement assistance
- Transportation or vehicle replacement assistance
- Replacement of job related tools and specialized/protective clothing
- Moving and storage assistance
- Legal assistance
- Insurance claims assistance
- Mental health needs
- Employment related assistance
- Food replacement
- Agricultural support for farmers and ranchers
- Assistance to mitigate against the effects of future events

Government needs

- Recovery planning support
- Debris removal cost recoupment
- Legal and contract support
- Economic/Business stabilization support
- Reimbursement for emergency protective measures taken in the response phase
- Assistance to support repairs to roads, bridges, and other infrastructure
- Assistance to support necessary repairs to water and utility networks
- Assistance for damaged public buildings
- Support for public healthcare facilities
- Assistance for damaged equipment
- Insurance claims assistance
- Support to ensure environmental and historic considerations are taken throughout recovery
- Assistance to mitigate against the effects of future events

Non-Stafford Act Recovery Support Structure

The NDRF can provide a structure to support unified coordination between all governmental and non-governmental recovery stakeholders following non-Stafford Act events. While it is expected that the State and affected community will work together to scale this structure according to specific recovery needs, the structure defined in the NDRF may be helpful in defining and aligning the roles of local and State governmental and non-governmental recovery stakeholders.



The recovery structure defined in the NDRF centers around multi-agency coordination facilitated by the Disaster Recovery Coordinators/Manager and the RSF Coordinating Agencies. Multi-agency coordination is a process that allows all levels of government and all disciplines to work together more efficiently and effectively. Multi-agency coordination is a National Incident Management System (NIMS) compliant method of providing coordination to multidisciplinary, policy-level decision makers brought together to support incident level operations. This organizational concept is particularly relevant at the State and Federal levels where organizational leadership is brought together to identify resources to support needs in the impacted jurisdiction.

Local Non-Stafford Act Recovery Support Structure

Successful recovery coordination efforts stem from well-planned, well-coordinated and inclusive local recovery efforts. The local recovery support structure is made up of operational elements brought together to establish and prioritize recovery goals, develop community focused recovery plans, ensure clear and consistent public messaging, and support resource coordination.

Overall leadership for the local recovery coordination group is provided by the Local Disaster Recovery Manager (LDRM), identified by local emergency management or by the office of the senior elected official. This facilitative role centers on coordinating operational elements to meet recovery goals.

Local recovery Coordinating agencies/organizations are designated based on relevant authorities, roles, resources or capabilities. These agencies can support the LDRM and the overall recovery effort by ensuring coordination and providing resources and subject matter expertise in their given functional area.

Potential local leadership and Coordinating agencies may include:

Leadership

City/County office of Emergency Management or the office of senior elected leadership

Coordinating Agencies/Organizations

City/County Department of Commerce or Planning and Development Commission
City/County Department of Public Works and Engineering
City/ County Department of Health or Department of Human Services
City/County Department of Emergency Management
Local Housing Authority
City/County Parks Department

The local recovery structure must also coordinate with keystone partners from local faith and community based organizations, the private sector, educational institutions, and regular service providers that support children, elders, people with disabilities, and people with other functional and access needs. These community leaders provide essential support on an every-day-basis. Understanding the roles of these individuals and organizations allows local recovery leadership to identify needs and leverage resources more effectively.

Appreciating the actual capabilities and needs of a community is essential to supporting and enabling local actions.

Many non-governmental organizations have disaster programs which play a pivotal role in supporting the recovery of impacted individuals and communities. These organizations coordinate through local, State, and national coalitions known as Voluntary Organizations Active in Disaster (VOAD). VOAD member agencies can support a variety of needs including:

- Individual and community needs assessments
- Case management training and support
- Construction (repair/rebuild) support and coordination
- Long Term Recovery Group (LTRG) formation support
- Debris removal from private property
- Grant assistance
- Resource identification and fundraising support
- Disaster mental health or emotional and spiritual care
- Youth focused resiliency programs
- Support for faith leaders in impacted areas
- Coordination of spontaneous volunteers
- Donations management support
- Information and referral support

More information on Voluntary Organizations Active in Disaster can be found at http://www.NVOAD.org

State/Tribal Non-Stafford Act Recovery Support Structure

The State/Tribal recovery support structure is designed to augment recovery resources. This often requires the re-prioritization of resources so the intent and priorities of senior elected leadership must be made clear at the outset. Individual State/Tribal agencies may contribute operational elements to support local recovery operations; however, State/Tribal-level recovery coordination is conducted by policy-level decision makers with the authority to commit resources on behalf of their agency.

Leadership for the State/Tribal recovery coordination group is provided by the State/Tribal Disaster Recovery Coordinator (SDRC or TDRC), identified by State/Tribal emergency management, the office of the Governor, or Tribal leadership. The person in this role is responsible for facilitating coordination with and between State/Tribal agencies and the impacted jurisdictions(s).

State RSF Coordinating agencies are designated based on relevant authorities, roles, resources or capabilities and can support the SDRC/TDRC and the overall recovery effort by ensuring coordination with and between the impacted communities and State agencies working within their functional area(s) (RSF).

Potential State leadership and Coordinating agencies may include:

Leadership

State Emergency Management or the Governor's Office

Coordinating Agencies

State Department of Commerce or Economic Opportunity
State Department of Transportation
State Department of Health and Human Services
State Emergency Management Agency
State Department of Housing
State Department of Natural Resources

Additional State agencies and organizations may be identified as supporting agencies when their specific capabilities, resources, or programs can be used to support impacted communities. When scaling the State/Tribal recovery structure, recovery leadership must consider the actual needs of impacted communities and the mechanisms necessary to coordinate the broad range of support available through regular State programs and non-governmental organization partners.

Federal Non-Stafford Act Recovery Support Structure

The Federal recovery support structure following non-Stafford Act events does not change from that outlined in the NDRF. This structure is scalable and it may not be necessary for staff to be physically present in the state to provide support. Additional information on the Federal recovery support structure can be found in the NDRF.

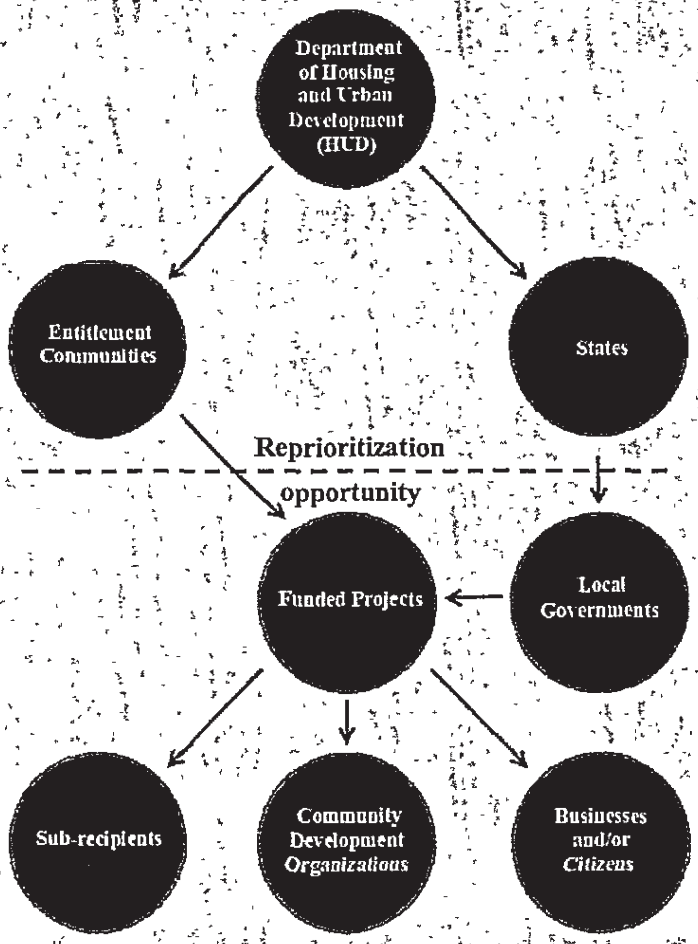
The following list of Federal agencies represents some of the resources and technical assistance that may be available to support impacted jurisdictions, States/Territories, and Tribes following non-Stafford events:

Department of Commerce
Department of Defense, U.S. Army Corps of Engineers
Department of Health and Human Services
Department of Homeland Security, Federal Emergency Management Agency
Department of Housing and Urban Development
Department of the Interior
United States Department of Agriculture

State recovery leadership and State Recovery Support Function leads are encouraged to coordinate with Federal agencies through regional or field offices as appropriate, to discuss authorities relevant to disaster recovery and better understand how non-disaster programs already being administered may have relevance following an event. More information on Federal recovery programs can be found on the National Disaster Recovery Program Database and at DisasterAssistance.gov

Non-Stafford Act Programs in Action:

Department of Housing and Urban Development Community Development Block Grants (CDBG)



This flow chart outlines how CDBG funding is allocated to benefit programs and communities. Funds flow from the U.S. Department of Housing and Urban Development to major urban areas (Entitlement Communities) and States. These funds are then allocated to approved projects or communities according to priorities or State formulas.

Following a disaster, States and Entitlement Communities can shift funding priorities (at dotted line), for unused funds, and approve projects that support individual and community recovery needs. All approved projects must meet certain criteria and address specific program goals; however, CDBG funds are flexible and can be used to meet a variety of needs.

Governmental, Non-Profit, and Private-Sector Coordination

Integrating and coordinating with governmental, non-governmental and private-sector associations and their member agencies/organizations can be key to successfully addressing the needs of impacted communities. These partners may include sector-specific associations with missions directly or indirectly related to emergency management. Associations can support planning, coordination, and the development of agreements/understandings that support and leverage the capacity of member agencies. Additionally, associations can develop or improve overarching recovery coordination processes that independent organizations may not have the capacity to develop on their own.

GOVERNMENTAL ASSOCIATIONS

Governmental Associations provide coordination between agencies of all types and are engaged at the national, regional, State, and local levels. These organizations can provide additional coordination, lessons learned, and programmatic/subject matter support via peer-to-peer networks of government entities (mutual aid). Engagement with government associations can encourage resiliency through the development, promotion, and coordination of tools and best practices. Examples of government associations include:

- Council of State Community Development Agencies
- Emergency management associations (such as the National Emergency Management Association, the International Association of Emergency Managers, and local, county, and State associations of emergency managers)
- City/County Manager Associations
- National Association of Regional Councils
- National League of Cities
- State and national associations of county or municipal governments
- State and national associations of health departments (such as National Association of County and City Health Officials)
- State and national public works associations (such as the American Public Works Association)
- Tribal Associations

EXAMPLE:

International Association of Emergency Managers

The International Association of Emergency Managers (IAEM) serves to advance the profession by promoting the principles of emergency management; to serve members by providing information, networking and professional development opportunities; and to advance the emergency management profession.

Learn more at www.IAEM.com

NON-PROFIT AGENCIES, ORGANIZATIONS

Non-profit agencies, organizations, and associations can play a critical role following non-Stafford Act events. These key partners provide outside resources, and training that can help local non-profit, faith-based, and community-based organizations to maximize the support they provide in an affected community. This support is generally coordinated through member organizations and provided via peer-to-peer networks similar to mutual aid. Non-profit associations can be helpful to State and local governments working to expand their capacity by supporting the identification of member

organizations and helping to explain the resources and missions of their members and provide introductions. Examples of nonprofit associations include:

- Academic Associations
- American Planning Association (APA)
- State and national offices of civic organizations (such as Lions Club International, Kiwanis International, and Rotary Clubs)
- Disability service and advocacy organizations (such as the State Protection and Advocacy Agency, and the local Centers for Independent Living)
- Faith-based associations
- Foundation Associations (such as the Council on Foundations and the Association of Small Foundations
- Disaster Long Term Recovery Groups (LTRG)
- State and National Non-profit Associations
- Non-profit legal associations (such as the American Bar Association, the Legal Services Corporation, and the National Legal Defender Association)
- Trade unions
- Voluntary Organizations Active in Disaster (such as National VOAD and State VOAD)
- Community Organizations Active in Disaster (COAD)
- State and National offices of youth councils and organizations (such as the Boys and Girls clubs, Future Farmers of America, 4H clubs, and the Boy Scouts and Girl Scouts of America)

EXAMPLE:

The Extension Disaster Education Network (EDEN)

EDEN links Extension educators from across the U.S. and various disciplines, enabling them to use and share resources to reduce the impact of disasters.

Learn more at eden.lsu.edu

THE PRIVATE SECTOR

By actively engaging private sector partners *prior* to an event, and working to establish mutually-supportive relationships, recovery leadership can better take into account the needs and resources of the whole community and support successful recovery.

By working to establish public-private partnerships, recovery leadership can develop relationships with key stakeholders who have insight into economic and community needs as well as access to potential resources. While well-developed mutually supportive relationships with individual business partners is a goal, private sector associations and trade groups can help to provide recovery leadership with more information on the resources and needs of their membership and facilitate introductions to key stakeholders. Examples of private-sector associations include:

- Business Associations
- Professional Associations
- Local, State, and National Chambers of Commerce

EXAMPLE:

The Business Civic Leadership Center (BCLC)

BCLC helps businesses communicate and collaborate with each other and with the nonprofit and government sectors to make disaster relief, recovery, and reconstruction activities more effective.

Learn more at bclc.uschamber.com/program/dis

Pre-Event Recovery Coordination and Non-Stafford Act Capacity Development

Pre-disaster recovery planning, coordination and capacity development is set forth in the NDRF as key to the successful recovery of communities affected by disaster. This is particularly true of non-Stafford Act events, where a premium is placed on coordination in order to maximize the impact of available resources. By identifying recovery leadership, defining roles, engaging with partners, expanding partnerships, planning, training, and exercising prior to an event, States can develop the resources and structure necessary to support impacted communities following any event.

Resource and Guidance Development

- Identify recovery leadership at all levels of government and define positions, authorities, roles, and responsibilities.
    - Determine how the State/Tribal/local Disaster Recovery Coordinator or equivalent will be identified, and what the specific authorities, roles, and responsibilities of the position will be.
    - Identify State/Tribal/local Recovery Support Function Coordinating agencies and define the authorities, roles, and responsibilities of these positions.
    - Develop guidance to support local jurisdictions in identifying and developing recovery leadership.
- Identify traditional and non-traditional State, Tribal, and Federal non-Stafford Act programs that can be used to support the needs of impacted communities.
    - Promote agency-specific policy development by all identified recovery stakeholders.
    - Promote the development and maintenance of State/Tribal and local recovery resource lists that outline the potential assistance available from state and or local agencies and recovery partners.
- Support the development of non-Stafford Act recovery coordination plans as part of each jurisdictions broader recovery plan.
    - Promote the inclusion of all governmental, non-governmental, and private sector stakeholders in the development and maintenance of recovery plans and partnerships.
    - Plan for the needs of individuals with disabilities and others with access and functional needs, children and seniors as a fundamental aspect of the recovery plan rather than as a supplement, annex, or separate plan.
- Promote the development of engaged recovery-focused partnerships at all levels and between all sectors of government, non-governmental organizations and the private sector.
    - Develop recovery-focused memorandums of understanding (MOU) or memorandums of agreement (MOA) between state agencies and agencies with identified recovery roles.
    - Develop recovery-focused mutual aid and Emergency Management Assistance Compact (EMAC) agreements with other States, Tribes, or local jurisdictions as appropriate.

- Promote the development of local, State, and National non-governmental organization consortiums (such as State/National VOADs, COADs, Inter-faith Councils, Disability related advocacy groups, and Private Sector networks).
- Work with government agencies to encourage collaboration between local, State and Tribal governments.

Pre-Disaster Coordination

- Promote non-Stafford Act support forums for idea and information sharing between recovery stakeholders at all levels.
  - Gather and disseminate lessons learned and best practices from other non-Stafford Act recovery operations to Federal, Tribal, State, local, non-governmental, and private sector partners.
- Organize State agencies with identified recovery roles according to RSFs or state recovery structure.
  - Promote the development of recovery taskforces according to identified RSFs
  - Support the identification and coordination of agency functions, roles, and capacity to support non-Stafford Act disasters.
- Insure that non-governmental organization partners are fully integrated into State, Tribal, and local coordination and capacity building initiatives.

Post-Event Recovery Coordination

Defining, coordinating and addressing the needs of an impacted community following a non-Stafford Act event requires active coordination and planning between all levels of government and with all sectors of society. This section outline steps that States, Tribes, and local communities can take to conduct a more accurate needs assessments, develop appropriate goals, and enhance multi-agency coordination.

Community Impact Assessment

- Ensure coordination with departments/organizations active in the response phase to discuss the current situation, activity to date, major areas of concern, and the transition to recovery. (i.e. share damage assessment numbers and identified community impacts, share known locations of displaced/evacuated residents)
- Conduct comprehensive damage and impact assessment to identify potential community needs and strategic recovery challenges across the 6 Recovery Support Function areas. Examples may include:
    - Convene a multidisciplinary impact assessment team to ensure that assessments are as efficient and comprehensive as possible. The team should be composed of governmental, non-governmental, and private sector stakeholders representing all identified RSFs.
    - Coordinate with existing community information and referral networks (2-1-1, 3-1-1, etc.) to support the identification of community needs.
    - Insure that assessments provide a base line need in each of the identified functional areas (i.e. Total number of damaged homes, number of homes with failed structural elements, and the number of destroyed homes).
    - Provide State/Tribal and Federal technical/subject-matter/policy support as appropriate to support local needs assessments.
- Coordinate local and State/Tribal governmental and non-governmental agencies/organizations to identify existing individual and community resources that can be used to support recovery – including insurance, continuity of business plans/support, locally administered programs, and donated/volunteer resources.
- Seek out the input of elected leadership, governmental agency/office leadership, faith leaders, faith and community based organization leadership, key private sector stakeholders, and individuals from the impacted community in order to identify community structures and priorities.
- Provide State and Federal technical/subject-matter support as appropriate to support local assessments.

Non-Stafford Act Planning and Recovery Strategy Development

- Develop State and local recovery strategies that support the needs, plans, and goals of impacted communities.
    - Engage local leadership and RSF taskforce stakeholders to support the development of local recovery strategies.
    - Involve the impacted community (public) during the development of the recovery strategy – considerations should be taken to include non-English speaking populations, people with limited resources, and people with access and functional needs.
    - Insure that recovery strategies take into account the specific needs of seniors, people with disabilities, and people with limited resources.
    - Insure that case management and other coordinative elements are incorporated into each community's recovery strategy in order to maximize impact and avoid overlap or gaps in service.
    - Request or provide State/Tribal/ Federal technical, subject-matter, and policy support as appropriate to support the development of local recovery strategies.
    - Develop a State recovery strategy to ensure the unified coordination of State/Tribal and Federal agencies supporting impacted jurisdictions.
- Support the development of local Business Recovery Plans for individual impacted businesses
- Support the development of Individual Recovery Plans for impacted survivors
    - Ensure that case management is available to assist impacted survivors to identify and coordinate resources necessary to support the holistic sustainable recovery solutions.
- Support ongoing recovery planning at the State and local level to align available resources with identified goals, priorities, and progress.
    - Promote local leadership in recovery planning.
    - Involve all recovery stakeholders in recovery planning initiatives. Include local and State/Tribal governmental agencies, non-governmental organizations, and local service providers.
    - Ensure that all recovery plans are in line with the goals and strategies of the impacted community.
    - Provide a mechanism for continued State and Federal technical assistance support as appropriate.
    - Ensure that State recovery planning is scaled to meet the coordination needs of supporting state agencies and takes into account the evolving needs of affected jurisdictions.
    - Promote public feedback opportunities to insure that recovery strategies and priorities continue to be in line with the needs of the community –considerations should be taken to include non-English speaking populations, people with limited resources, and people with access and functional needs.

Non-Stafford Act Coordination and Support

- Ensure that recovery leadership at the local, State and Tribal levels is adequate to support the recovery needs, strategies, and plans of impacted communities.
    - Assess the need to identify or assign a Local Disaster Recovery Manager (LDRM).
    - Assess the need to identify/assign, and deploy a State/Tribal Disaster Recovery Coordinator (SDRC/TDRC).
    - Assess the need for Federal technical assistance.
- Promote the development of Recovery Support Functions and recovery focused multi-agency coordination groups at the local, State, and Tribal levels as appropriate.
    - Implement RSF task forces as appropriate
    - Promote the broad inclusion of current and potential recovery partners – to include non-governmental organizations and the private-sector to ensure that technical support and programmatic resources are known, available, and coordinated.
    - Promote coordination between counterpart local, state, and national non-governmental and private-sector partners to maximize an understanding of available support and ensure coordination.
    - Promote the development of Long Term Recovery Groups (LTRG) and the use of case management to coordinate long-term unmet needs assistance to disaster survivors.
    - Identify the need for Federal RSF support to local and State/Tribal recovery functions.
- Ensure that the appropriate technical assistance is available from the State and through mutual aid networks to support local recovery assessment, planning, and program administration.
    - Coordinate and/or deploy technical assistance teams, made up of identified State/Tribal recovery partners, to support local communities in the assessment of disaster impacts and the development of local recovery strategies.
    - Identify the potential for peer-to-peer/mutual aid assistance to support local recovery coordination and planning efforts.
    - Ensure the development of an interface between local, State/Tribal, and Federal agencies to streamline policy discussions and promote an understanding of the processes and requirements associated with requesting and administering supplemental assistance.
    - Assess the need for Federal technical or programmatic advisors to support State/Tribal and local recovery efforts.
- Ensure that all non-Stafford Act programmatic assistance (financial and in-kind) is available to and coordinated with local recovery leadership.
    - Ensure that supplemental support is in alignment with identified local goals, strategies, and plans to maximize impact, identify gaps, and avoid duplication.
    - Identify additional State/Tribal and local programs that can be used, reprioritized, or altered to support the needs of affected communities identified in the assessment process.
    - Assess the need for and, if needed, request additional non-Stafford Act assistance from the State/Tribe or other Federal agencies.

Appendix 1: Case Study – State of Illinois, 2012 Spring Tornadoes

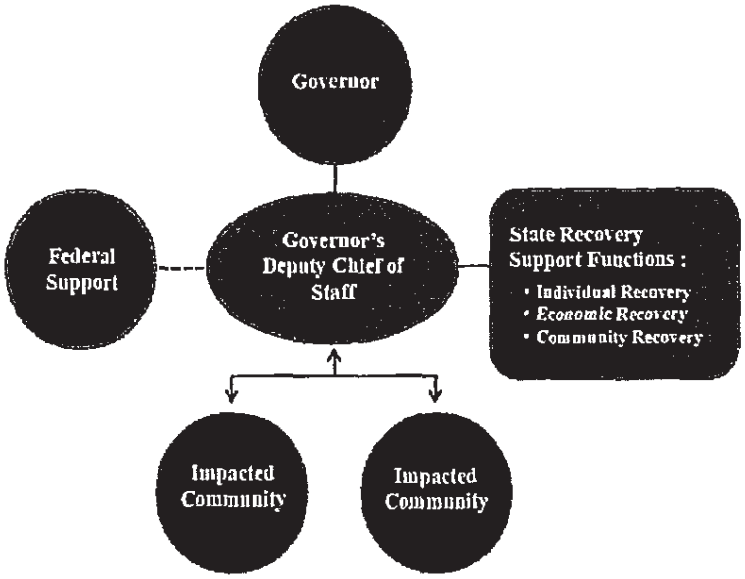
Overview:

In the early hours of February 29, severe storms and tornadoes tore through Gallatin, Massac, Saline, Union, and Williamson counties of Illinois. Around 5a.m. an EF4 tornado touched down in the City of Harrisburg in Saline County, and an EF3 tornado touched down in the Village of Ridgway in Gallatin County. The State estimated that 440 homes were impacted by the event, of which 176 were destroyed or suffered major damage. Eight people in Harrisburg lost their lives as a result of the tornado, making this the deadliest Illinois disaster in nearly a decade.

Subsequent to the determination that the event did not exceed the capabilities of the State of Illinois, FEMA Region V deployed two specialists to provide technical assistance in support of State efforts to identify and coordinate recovery assistance around the needs and goals of the impacted communities.

Strategy:

On March 25, 2012 the Governor's office held a meeting with twenty-three State agencies to outline the intent of leadership and begin coordinating state recovery support. Three Recovery Support Functions (RSFs) were outlined according to the goals of the state and the impacted communities, and leadership was assigned.



State RSFs and assigned State agency leads:

- Individual Recovery – Illinois Emergency Management Agency
- Economic Recovery – Illinois Department of Commerce and Economic Opportunity
- Community Recovery – Illinois Department of Commerce and Economic Opportunity

Over the ensuing week, RSF leads coordinated with local, State, Federal, and non-governmental partners to conduct comprehensive needs assessments in the impacted area and identify sources of non-Stafford Act assistance.

On April 2, 2012 the Governor's office issued a press release announcing $13 million in State assistance available to support recovery needs in the impacted communities. This package, made up of reprioritized existing State and Federal programs and block-grants, addressed needs in all three identified State RSFs.

Following the announcement, State agency representatives met in the affected communities to outline programmatic requirements, coordinate assistance, and support the development of a unified local recovery plan.

Key Elements and Lessons Learned:

Local needs assessments and recovery goals are critical to the identification and coordination of potential recovery support. Recovery efforts share many similarities; however, the impact of a disaster on a community is ultimately complex and unique. By conducting holistic community recovery assessments and engaging with the public, recovery leadership will be better equipped to set appropriate recovery goals, establish structures, and inform outside partners of needs. The State can support this effort by offering/providing technical expertise from state agencies, or helping to coordinate mutual aid support from experienced jurisdictions outside of the impacted area.

Senior leadership must clearly state recovery goals and priorities. Since support available to impacted communities following non-Stafford Act events is primarily accomplished through re-prioritizing existing funds, programs, and personnel, senior elected leadership must make clear the intent to redirect these funds to support impacted communities to agency level decision makers at the outset.

An understanding of how currently available programs can support the recovery of impacted communities is essential following non-Stafford Act events. Many of the resources available to support the recovery of impacted jurisdictions following non-Stafford Act events are available through existing programs. Understanding how block-grants and other programs/resources may apply to the recovery of affected citizens and the community is essential when considering potential resources.

A scalable, flexible, and adaptable support structure is crucial. Location-based, or in person, support from State and Federal recovery partners is not always warranted. Coordination requirements for current and potential support should be considered to ensure that the structures established are appropriately scaled.

Supporting recovery requires more than programmatic resources. Technical assistance is often key to successfully supporting recovery operations. The establishment of State subject-matter expert strike teams to support local assessments, planning, and resource identification should be considered as a best-practice.

Coordinating Partners:

Federal

Leadership

United States Department of Homeland Security - Federal Emergency Management Agency (FEMA)

Coordinating Agencies

United States Department of Agriculture – Rural Development
United States Department of Agriculture – Food and Nutrition Services
United States Department of Health and Human Services
United States Department of Housing and Urban Development
United States Small Business Administration

Primary/Supporting Agencies

United States Department of Commerce
United States Department of Veterans Affairs
National Voluntary Organizations Active in Disaster

State

Leadership

Illinois Governor's Office
Illinois Emergency Management Agency

Coordinating Agencies

Illinois Department of Commerce and Economic Opportunity
Illinois Department of Human Services
Illinois Department of Insurance
Illinois Department of Public Health
Illinois Department of Transportation
Illinois Finance Authority
Illinois Housing Development Authority

Primary/Supporting Agencies

Illinois Department of Agriculture
Illinois Capital Development Board
Illinois Central Management Services
Illinois Community College Board
Illinois Department of Aging
Illinois Department of Employment Security
Illinois Department of Natural Resources
Illinois Department of Veterans Affairs
Illinois Environmental Protection Agency
Illinois Financial and Professional Regulation
Illinois Fire Marshall
Illinois Governor's Office of Management and Budget
Illinois Insurance Commission
Illinois Serve and Learn Commission
Illinois Voluntary Organizations Active in Disaster

Supporting State Agencies	Function / Assistance Provided	Associated Federal Agency	Associated Federal Program
Illinois Governor's Office	• Overall direction for State support to the affected Counties	N/A	
Illinois Emergency Management Agency	• Coordinative Responsibility • Technical Assistance to local Emergency Management • Technical Support to other State Agencies	United States Department of Homeland Security - Federal Emergency Management Agency (FEMA)	• Technical Assistance
Illinois Department of Human Services	• Supplemental Nutrition Assistance Program - benefit replacement.	United States Department of Agriculture – Food and Nutrition Services	• Supplemental Nutrition Assistance Program
Illinois Department of Commerce and Economic Opportunity	• Community Development Assistance Program (CDAP) • Wages for dislocated workers to participate in disaster cleanup and structured work-based learning • $1 million from the Energy Efficiency Trust to fund energy efficiency incentives	United States Department of Housing and Urban Development	• Community Development Block Grant Program
		United States Department of Labor	• Workforce Investment Act, National Emergency Grant program
		N/A	
Illinois Department of Insurance	• Technical support to impacted homeowners	N/A	
N/A		United States Small Business Administration	• Disaster Loan Program

Supporting State Agencies	Function / Assistance Provided	Associated Federal Agency	Associated Federal Program
Illinois Department of Public Health	• Technical Assistance to local health department and impacted medical facilities	United States Department of Health and Human Services	• Technical assistance
Illinois Department of Transportation	• Disaster related municipal road repairs / improvements in affected jurisdictions	N/A	
Illinois Finance Authority	• Business loans	United States Department of Agriculture – Rural Development	• Rural Business Loan Program
Illinois Housing Development Authority	• Forgivable non-payment loans	United States Department of Housing and Urban Development	• HOME Program – Single Family Owner Occupied Rehabilitation (SFOOR) Program
Illinois VOAD (non-governmental organization)	• Technical assistance	National VOAD (non-governmental organization)	• Technical assistance • Long Term Recovery Group training • Case Management Training
Ameren Illinois (Private Sector)	• ActOnEnergy® program • Warm Neighbors Cool Friends Home Repair Program	N/A	

OFFICE OF GOVERNOR PAT QUINN **NEWS**

FOR IMMEDIATE RELEASE:
Monday, April 2, 2012

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Governor Quinn Announces Up to $13 Million in New Relief for Southern Illinois Communities

Governor Secures State, Federal Resources to Help Southern Illinois Families, Businesses, and Local Governments Recover from Tornado

HARRISBURG – April 2, 2012. At the direction of Governor Pat Quinn, the heads of a number of state agencies today announced in Harrisburg up to $13 million of financial aid and construction projects to help families, businesses and local governments recover from the deadly tornado that ravaged several Southern Illinois communities on Feb. 29. The package put together at the Governor's instruction includes reimbursements to local governments for some of their disaster-related expenses, road improvements, grants to help homeowners repair or rebuild damaged homes, and low-interest business loans to create jobs and help businesses recover.

"This assistance package offers real solutions for the long-term recovery effort in Harrisburg and other communities," Governor Quinn said. "Recovery from this tornado won't happen overnight, but these resources will help residents and businesses of hard hit areas in Southern Illinois begin to rebuild their lives."

Following FEMA's denial of assistance for people affected by the tornado on March 10 and denial of an appeal on March 21, Governor Quinn moved quickly to secure support for people and businesses through the U.S. Small Business Administration (SBA). That request was approved the following day, and the SBA began meeting with people interested in the low-interest, long-term loans on March 23.

"In the weeks since the severe storms and tornadoes hit Southern Illinois in February and early March, I have met with representatives from federal, state, and local emergency management agencies to discuss the ongoing recovery efforts in Harrisburg, Ridgway and surrounding areas," said U.S. Senator Dick Durbin (D-IL). "I will continue to work with Governor Quinn and the Illinois Congressional Delegation to seek further opportunities for federal assistance to help these communities rebuild."

In addition to the SBA loans, the state's multi-agency relief package includes:

- Assistance from Illinois Department of Commerce and Economic Opportunity (DCEO) – Up to $5 million from the Community Development Assistance Program (CDAP) will pay for public infrastructure improvements, housing rehabilitation and reconstruction efforts. In partnership with Ameren Illinois, another $1 million from the Energy Efficiency Trust will fund energy efficiency incentives through Ameren's Act on Energy program to benefit customers affected by the disaster. Additionally, DCEO will make as much as $750,000 in Workforce Investment Act grants available to cover wages for dislocated workers to participate in disaster

OFFICE OF GOVERNOR PAT QUINN **NEWS**

cleanup and structured work-based learning.

- Assistance from Illinois Finance Authority (IFA) - Up to $2 million in U.S. Department of Agriculture-Rural Development (USDA-RD) business loans will be available through IFA under a relending in Gallatin, Saline and Williamson counties. Loans from a minimum of $50,000 up to a maximum of $250,000 may be used for the purchase of land, construction or renovation of an industrial or commercial building or purchase of machinery and equipment. The IFA will partner with local banks to market the program to local businesses hurt by the recent storms and tornadoes.

- Assistance from Illinois Department of Transportation (IDOT) – Twenty-one municipal road improvements in Harrisburg will be completed at an estimated cost of $1.58 million.

- Assistance from Illinois Emergency Management Agency (IEMA) – Reimbursements up to $1.5 million to affected local governments for some of their disaster-related expenses will be made through the state's Disaster Response and Recovery Fund, which supports emergency response and recovery efforts.

- Assistance from Illinois Housing Development Authority (IHDA) – IHDA will commit up to $1 million in federal HOME Funds using the Single Family Owner Occupied Rehabilitation (SFOOR) Program. Up to $40,000 per household in forgivable non-payment loans will be made available to homeowners in affected areas. The funds can be used to build or renovate destroyed or damaged homes.

- Delta Regional Authority – Governor Quinn secured $400,000 in federal funding to reimburse local governments for expenses related to debris removal.

"Ameren Illinois is delighted to partner with the Illinois Department of Commerce and Economic Opportunity to help make recovery a little easier for residents of the Harrisburg and Ridgway areas," said Michael Moehn, Ameren Illinois senior vice president of customer operations. "Through our ActOnEnergy® program and the Warm Neighbors Cool Friends Home Repair Program, residents will be able to receive the financial assistance they need to meet the highest energy efficiency standards as they repair and rebuild. This will allow them to save money today and in the years to come."

Governor Quinn has directed his staff to continue to work with local, federal and non-governmental agencies to secure additional support for families in the affected areas.

This assistance package is in addition to nearly $1.4 million of in-kind state assistance already provided to the affected region. Shortly after the tornado stuck, Governor Quinn surveyed the damaged area and activated the State Emergency Operations Center to coordinate the deployment of state resources and personnel in support of local response and recovery efforts. The state's response included large deployments from IDOT, the Illinois Department of Corrections and the Illinois State Police, as well as assistance from several other state agencies and mutual aid organizations.

"The state of Illinois has been a trusted partner with us since the day the tornado struck," said Harrisburg Mayor Eric Gregg. "Recovery after a disaster of this magnitude isn't easy. This state assistance package will give our recovery efforts a significant boost. I appreciate Governor Quinn's continued commitment to helping our communities recover."

OFFICE OF GOVERNOR PAT QUINN **NEWS**

Governor Quinn directed state officials to start developing the state assistance package immediately after the state's request for FEMA assistance for individuals and subsequent appeal were denied. The administration has been exploring all possible opportunities to deliver relief and assistance to Southern Illinois' impacted communities.

Additional information about the state's response efforts is available at www.Ready.Illinois.gov.

###

Appendix 2: Examples of Potential Non-Stafford Federal Assistance Programs

Agency	Program	Support for Individuals /Businesses	Support for Government
Department of Agriculture	Business and Industrial Loans	YES	NO
	Emergency Conservation Program for Agricultural Producers	YES	NO
	Farm Emergency Loans	YES	NO
	Farm Operating Loans	YES	NO
	Farm Ownership Loans	YES	NO
	Noninsured Crop Disaster Assistance Program	YES	NO
	Rural Housing Loans	YES	NO
	Rural Housing Repair Loans and Grants	YES	NO
	Rural Rental Housing	YES	NO
	Special supplemental Nutrition Program for Women, Infants and Children (WIC)	YES	NO
	Supplemental Nutrition Assistance Program (SNAP)	YES	NO
	The Emergency Food Assistance Program (TEFAP)	YES	NO
	Rental availability information, rental assistance, rental housing loans (for landlords)	YES	NO
United States Department of Commerce	Economic Adjustment Assistance	NO	YES
	Revolving Loan Fund (RLF) program	NO	YES
	Economic Development Administration (EDA) programs	NO	YES

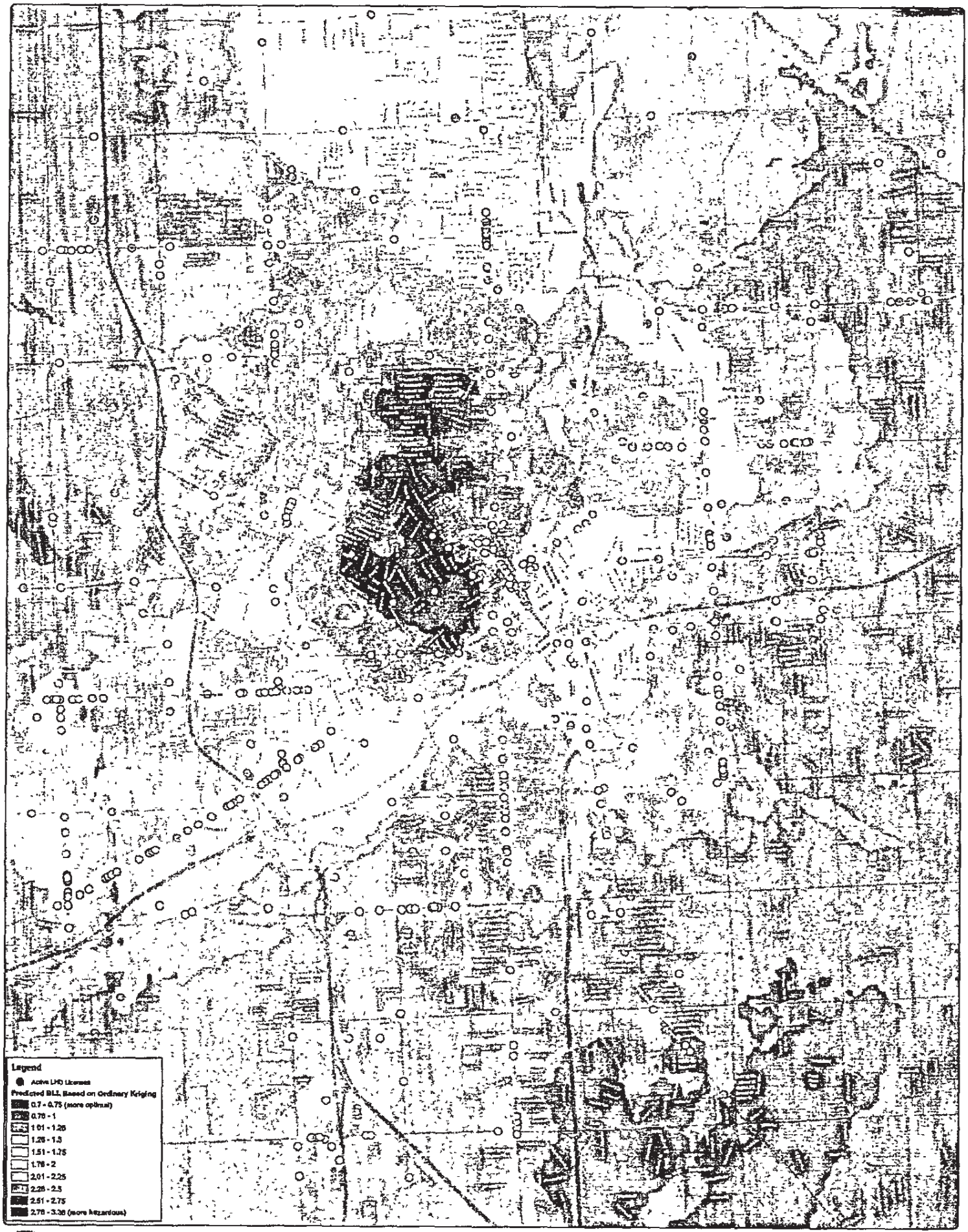
Agency	Program	Support for Individuals /Businesses	Support for Government
Environmental Protection Agency (EPA)	Energy Star Program	YES	NO
	Climate Showcase Communities Grant Program	NO	YES
	Environmental Justice Small Grant Program	NO	YES
United States Department of Energy	Weatherization Assistance Program	YES	NO
Federal Emergency Management Agency	Technical Assistance to States		YES
	Mitigation Grant Assistance	YES	YES
	Disaster Recovery and Mitigation Information	YES	YES
Department of Health and Human Services	Temporary Assistance for Needy Families (TANIF) program	YES	NO
	Social Service Block Grant (SSBG) program	YES	YES
	Community Services Block Grant (CSBG) program	YES	YES
	Substance Abuse and Mental Health Services Administration (SAMHSA) – technical and helpline support	YES	YES
	Low Income Home Energy Assistance Program (LIHEAP)	YES	NO
Department of Housing and urban Development (HUD)	Community Development Block Grant (CDBG) program	YES	YES
	HOME program	YES	NO
	HOPE Program (for people with disabilities)	YES	NO
	Housing Choice Voucher Program (Section 8)	YES	NO

Agency	Program	Support for Individuals /Businesses	Support for Government
HUD (continued)	Housing counseling	**YES**	NO
	Subsidized and Public Housing Programs	**YES**	**YES**
	Self-Help Homeownership Opportunity Program (SHOP)	**YES**	NO
Small Business Administration (SBA)	Disaster Loan Program	**YES**	NO
Department of Labor	Workforce Reinvestment Act, National Emergency Grants (NEGs)	**YES**	**YES**
	Workforce Investment Act (WIA) Youth and Adult Programs	**YES**	NO
Department of the Treasury	Community Development Financial Institutions Program	**YES**	**YES**
	Savings Bond Redemption and Replacement	**YES**	NO
Department of Veteran Affairs (VA)	Specially Adapted Housing for Disabled Veterans	**YES**	NO
	VA Home Loans	**YES**	NO
	Burial Benefits	**YES**	NO

FEMA

Region V

Flint Water Crisis - Active LHD Licenses



Michigan State Police
Emergency Management and
Homeland Security Division

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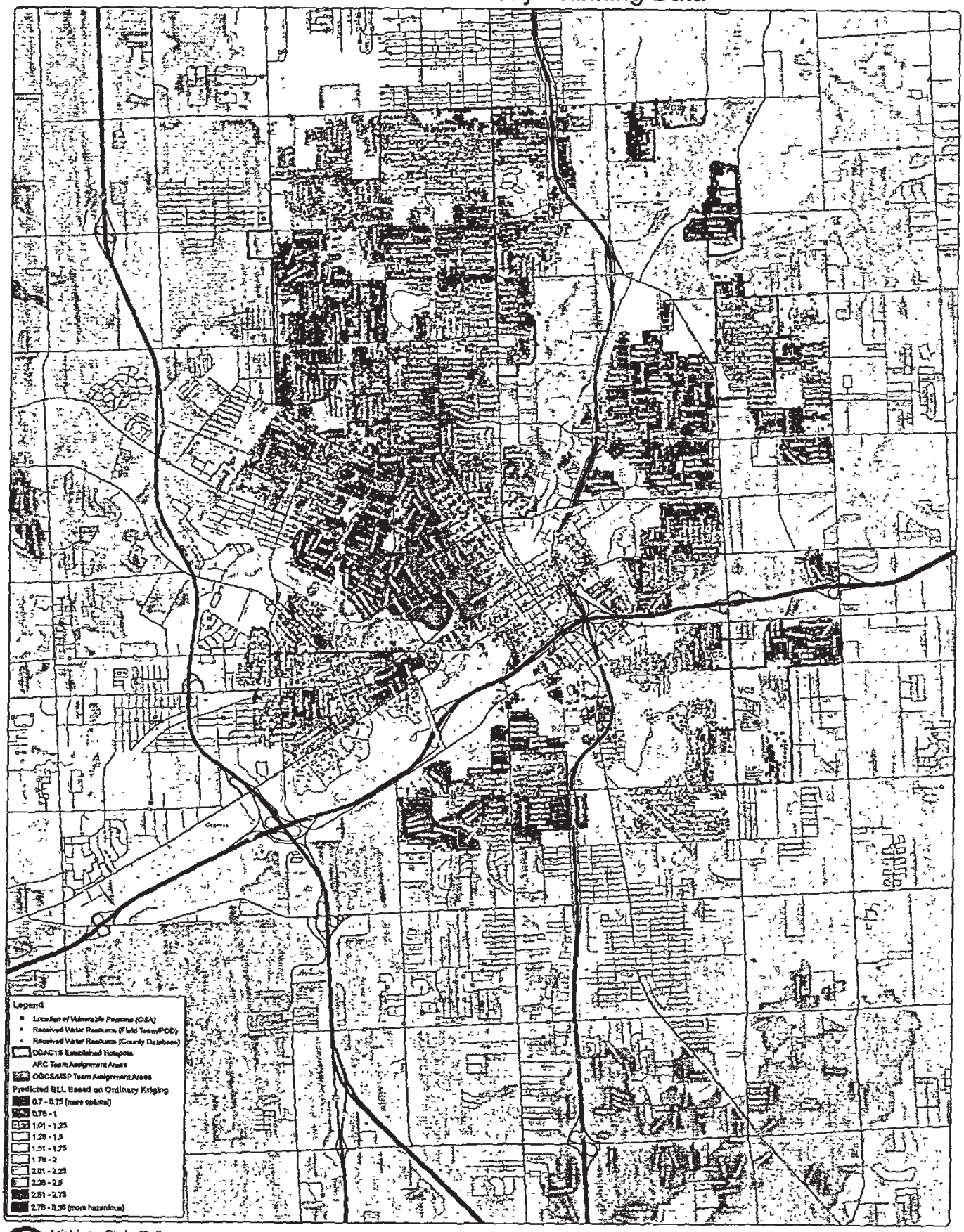
This information is being provided by the City of Flint, Ct. Elizabeth Kelley Adams, Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD). The MSP/EMHSD assumes no responsibility for the completeness or accuracy of the data displayed on this map. Data development (interpolation) methods employed and errors may be associated with your application.

Author: msp-eocgis@michigan.gov (A111)
Created: 09:06 AM, 14 Jan 16

Flint Water Crisis- Daily Planning Data



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 1 2

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Author msp-saocgs2@michigan.gov (A111)
Created 06:46 PM, 19 Jan 16

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT

JAMIE CLOVER ADAMS
DIRECTOR

October 12, 2016

Attention: Food Establishments using City of Flint water supply

Dear Food Establishment Operator:

On October 5, 2015, you were sent a document recommending actions ~~that have been~~ to taken to avoid the risk of serving lead contaminated water to your customers. Effective immediately, the recommendations have been changed to a legal requirement, and food establishment license enforcement action may be taken if non-compliance is found until the public health emergency declaration has been lifted.

Please see the updated attached requirements sheet. Immediate action may be needed by your establishment to come into compliance.

Your establishment has three options:

1. Demonstrate your establishment is not using the City of Flint water supply for drinking, processing or cooking.
2. Demonstrate your water has been tested and is safe to use. -You may request free testing by a regulatory official. To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939, M-F, and state you're a "Flint food establishment requesting a water test". Be prepared to provide a sampling time when your entire water system won't have been used for at least 6 hours. Sampling appointments between 5 a~~A~~.m~~M~~. and 4 p~~P~~.m~~M~~. are available. State offices are closed on ~~1/18/16~~.January 18, 2016
3. Install water filters as needed, and do daily flushing of unfiltered faucets and hard plumbed equipment. (d~~D~~iscontinuing use, flushing, etc. will still be needed until a safe water test is obtained).

Michigan Department of Agriculture and Rural Development inspectors are assisting the Genesee County Health Department in conducting sampling and inspections, so you may work with a different person other than your regular food safety inspector. Inspectors will also be making visits to ~~many~~ establishments in the coming weeks to provide assistance and verify compliance.

For additional information, ~~please~~ call 1-800-292-3939 or for~~to get~~ the latest information on the Flint water response visit www.michigan.gov/flintwater.

We look forward to assisting you in any way possible.

Sincerely,

Kevin Besey, Director

Food and Dairy Division
Michigan Department of Agriculture and Rural Development

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Establishments Using City of Flint Water

January 12, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

- The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test." Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 A.M. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-393

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. Then flush other equipment such as pop machines for at least 1-2 minutes.
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
- Use cold water and store it for immediate consumption.
- Always use cold water for drinking, cooking and cleaning/rinsing food.
- Hot water must be used for dishwashing.

Other equipment that may use city water:

- Ice machines – Install a water filter on the supply line or use bagged ice in drinking water.
- Pop machines – Flush for 1 minute daily or use bottled beverages.
- Coffee machines or Tea Urns – Flush for 1-2 minutes daily or use filtered water. These products may be very low risk as young children under 6 are not likely to consume these.
- Slush machines – Use filtered water.
- Spray misters – Flush for 1-2 minutes daily or use filtered water.

A licensed plumber can check your plumbing and service lines for lead soldering or lead service lines.

Requirements for Licensed Food Establishments Using City of Flint Water

January 13, 2016

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MDHHS Michigan Department of Health & Human Services

DEQ

Michigan Department of Agriculture & Rural Development

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January 12, 2016

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MDHHS Michigan Department of Health & Human Services

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Grantee: Uptown Reinvestment Corporation

Project Title: Flint Food Works: Creating sustainable business opportunities and for residents and farmers in the Flint and Genesee County region

Grant Award: $75,000

Flint Food Works (FFW) is a nonprofit commercial kitchen and small business incubator designed to provide low risk opportunity for new food businesses in Flint and the surrounding region. The project has stimulated a culture of entrepreneurship and provides the necessary support mechanisms to create sustainable small businesses. A core focus of the kitchen is creating meaningful self-employment opportunities for low income residents. FFW has the capacity to incubate small food processors seeking to create value added food products for wholesale distribution as well as culinary ventures such as catering and prepared food for retail consumption. It is located in the Flint Health and Wellness District a $33 million redevelopment project, which encompasses 3 city blocks in downtown Flint. The kitchen is inside the Flint Farmers Market (FFM).

The market opened in June 2014. The Food Works startup budget (project development and construction) was $285,000, which was supported by multiple funders through the new farmers' market budget.

Since it's opening, the Flint Farmers' Market has been a destination which has seen over 250,000 people enter though its doors. The relocation and expansion of this state of the art market has been a major success for the city of Flint. The FFW has contributed to this success through the kitchen's diverse utilization. This kitchen has become a crucial part of Flint's rebirth as a leader of food innovation. The kitchen has become a crucial part of Flint and Genesee Counties micro enterprise system.

Equipment purchased with MDARD Grant includes everything from coolers, freezers and convection ovens.

Grantee: Food Bank of Eastern Michigan (located in Flint and service area includes Genesee County

Project Title: Fresh Solutions for Healthy, Safe Communities

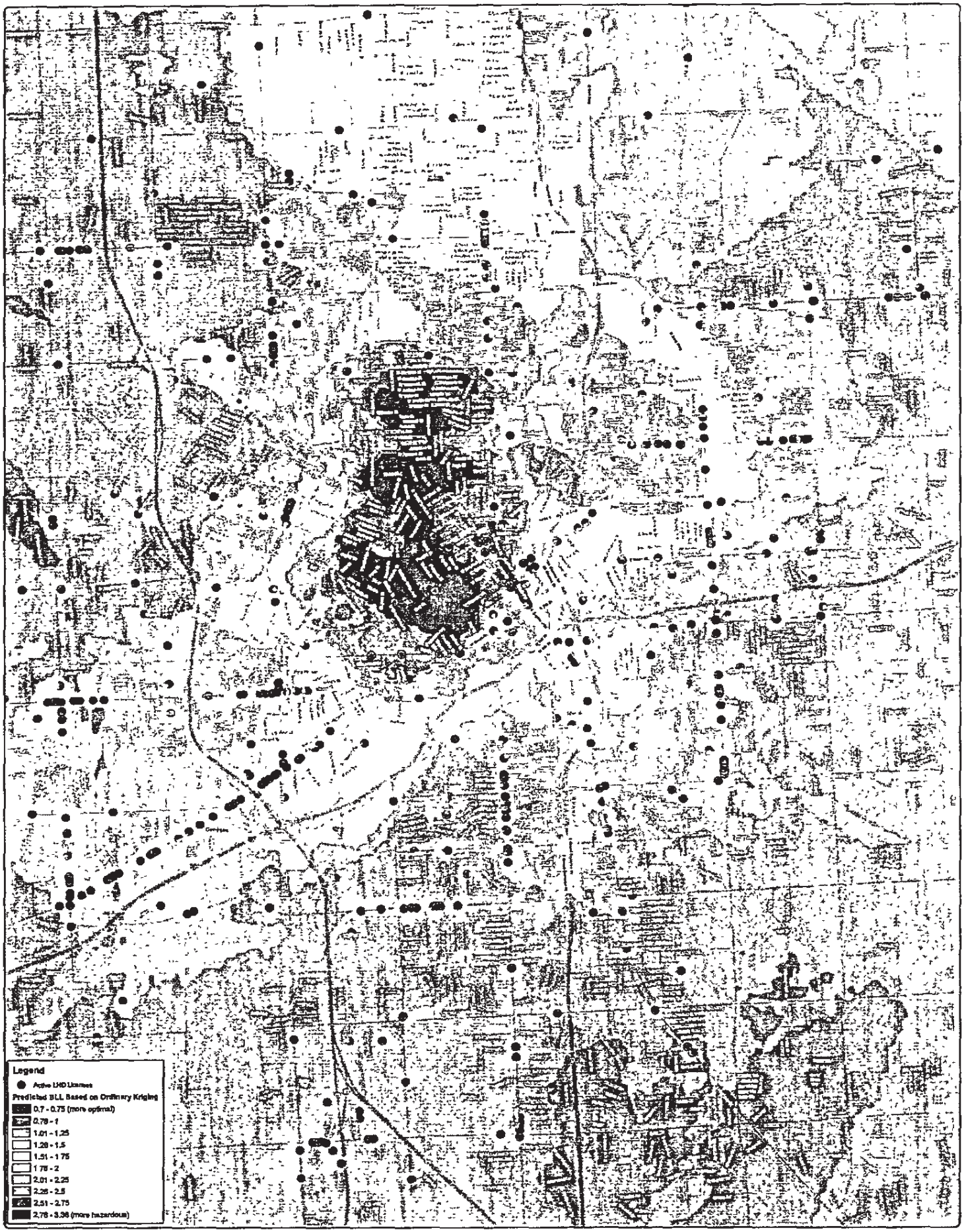
Grant Award: $200,000

The Hunger Solution Center builds Food Bank of Eastern Michigan's capacity, which in turn creates new opportunities to better serve the community. This win-win situation will enable the Food Bank to create new, innovative solutions to addressing hunger and nutrition, while creating economic opportunities that will benefit farmers, the community, and the state. With additional space, the Food Bank can engage more volunteers, community partners and agencies in the important work that is necessary to increase access to fresh, nutritious food throughout all 22 counties served by the Food Bank of Eastern Michigan.

The support of the Michigan Department of Agriculture and Rural Development has been a catalyst for the activities and goals outlined in the grant agreement. These are underway in the new Hunger Solution Center and will continue to grow and help the hungry of eastern Michigan for decades to come. The specific project supported by this award has been achieved with the installation and completion of the new freezer and cooler units.

The Food Bank of Eastern Michigan serves 251,670 people in a 22 county service area who do not know where their next meal is coming from. This represents 17.1% of the total population of tis are who are food insecure and literally are mission more than 43 million meals annually. The Hunger Solution Center builds Food Bank of Eastern Michigan's capacity, which in turn creates new opportunities to better serve the community. This win-win situation will enable the Food Bank to create new, innovative solutions to addressing hunger and nutrition, while creating economic opportunities that will benefit farmers, the community, and the state. With additional space, the Food Bank can engage more volunteers, community partners and agencies in the important work that is necessary to increase access to fresh, nutritious food throughout all 22 counties served by the Food Bank of Eastern Michigan.

Flint Water Crisis - Active LHD Licenses



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 1 2

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Author: MSP-SEOCG/S2@michigan.gov, (A111)
Created: 09:05 AM, 14 Jan 16

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT

JAMIE CLOVER ADAMS
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Food and Dairy Division

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Food and Dairy Division

CONSTITUTION HALL • P.O. BOX 30017 • LANSING, MICHIGAN 48909
www.michigan.gov/mdard • (800) 292-3939

REQUEST FOR WATER ANALYSIS

Billing Information

Name	DWL Account number
MDEQ - RRD Div #900040-00	M99953605
Mailing Address: Flint Residential Lab Services	
City: Lansing	State: MI / Zip: 48910

See reverse side for sample instructions and information

WSSN (Type I-II Public Water)	Does sample contain chlorine?	For questions call:
2310	(●) Yes ( ) No	810-787-6537 ext. 3501

SAMPLE SOURCE
( ) 0 - Single Family Dwelling
( ) 9 - Other

SAMPLING PURPOSE
9 - Other

SAMPLE POINT
9 - Other

REPORT RESULTS TO: (*PLEASE PRINT*) NOTE: RESULTS WILL BE EMAILED TO YOUR LOCAL COUNTY HEALTH DEPARTMENT

Name	E-mail address	
Mailing Address	Area Code & Phone number	
City	State: MI	ZIP Code

SAMPLE COLLECTION INFORMATION (*PLEASE PRINT*)

Sample Collector Name	*Date Collected*	*Time Collected* ( ) AM ( ) PM

Collector Code
( ) 0 - County Personnel
( ) 1 - Water Supply Operator
( ) 3 - Private Citizen
( ) 4 - DEQ Staff other than DW
( ) 9 - Other

Collection Site (Street Address)	System/Owner Name	
	Township (If known)	Section (If known)
City	County: Genesee	ZIP Code / Well Number (If more than one)
Sampling Point: ( ) Kitchen ( ) Bathroom	Site Code or Permit Number (If known)	

TEST CODE	INVESTIGATION UNIT #	DRINKING WATER TEST
CCUB	36CC - 1 Liter	Lead/Copper for Investigation

Return sample and form to either Flint City Hall or the Flint Water Plant.
Samples must be received in the laboratory within 14 days of collection.

DRINKING WATER LEAD AND COPPER SAMPLING INSTRUCTIONS

Thank you for helping to monitor for lead and copper in your drinking water.

It is important that you follow these instructions so we obtain an accurate measurement of the lead and copper in your drinking water.

Do not open the bottle until instructed in step 3. Do not touch the inside of cap or bottle.

1. **The water in the house must not have been used for a minimum of six (6) hours prior to sampling.** The best times to sample are early morning or after returning from work. **Do not flush the sample tap before sample collection.**

2. Select a cold water faucet in the **KITCHEN** or **BATHROOM** that is commonly used for drinking and has been used within the last 24 hours. **No other faucets are acceptable for collection.** If the faucet is connected to a faucet mount filter, water softener, iron filter or reverse osmosis system, etc. the treatment device must be removed or bypassed.

When was the faucet last used before sampling? Date _____ TIME _____ AM/PM

Is there a faucet-mount filter? ☐ YES ☐ NO If YES, was it bypassed? ☐ YES ☐ NO

Is this faucet connected to a home treatment device such as a water softener, a reverse osmosis unit, an iron removal device OR is any kind of additive used in the home? ☐ YES ☐ NO

If YES, please describe: _____

If YES, was it bypassed? ☐ YES ☐ NO

3. Open sample bottle and place below the faucet and gently open the **COLD** water tap. If you have a single handle faucet, turn it fully to the **COLD** side. Fill the sample bottle to within an inch of the top with the "first draw" of **COLD** water.

4. Tightly cap the sample bottle

If any plumbing repairs or replacement has been done in the home since the previous sampling event, please note this information here:

If YES, please describe: _____

5. Fill out the collection information on the front, answer the questions below and sign the form.

6. Attach this form to the bottle and return it to either **Flint City Hall or the Flint Water Plant.**

7. Thank you again for your help. We will send you your individual results within 30 days of receiving them from the laboratory. A summary of information on this year's lead and copper monitoring will be printed in the annual water quality report that will be made available by July 1 of this year. Contact your water supply if you have questions.

If you have any questions contact:

City of Flint Water Plant 4500 N. Dort Hwy. Phone: 810-787-6537 ext. 3501

I have read the Drinking Water Lead and Copper Sampling Instructions and have taken a tap sample in accordance with these directions.

_____ _____

Sample Collector's Signature Date

Feed your child healthy foods with calcium, iron, and vitamin C. These foods may help keep lead out of the body.

- Calcium is in milk, yogurt, cheese, and green leafy vegetables like spinach.
- Iron is in lean red meats, beans, peanut butter, and cereals.
- Vitamin C is in oranges, green and red peppers, and juice.

Below are list of foods high in Calcium, Iron and Vitamin C along with additional resources, including those in Spanish

Calcium

Dairy products are a rich source of calcium. If dairy products are not included in your diet, calcium can be obtained from some plant-based foods, but the amount of calcium that the body can absorb varies. Here is a list of sources of calcium:

- Dairy products such as milk, yogurt and cheese
- Fortified soy milk or rice milk
- Fortified ready-to-eat cereals
- Calcium-fortified foods such as juice, cereal, soy or rice drinks and tofu.
- Some green leafy vegetables such as collards kale, mustard greens, turnip greens and bok choy or Chinese cabbage
- Broccoli
- Beans, such as lentils, chick peas, white beans, red beans
- Almonds and almond butter
- Soybeans
- Processed foods with cheese such as, lasagna, pizza, omelet, and quiche.

For more information on calcium
https://www.nlm.nih.gov/medlineplus/calcium.html
https://ods.od.nih.gov/factsheets/Calcium-Consumer/#h3
Spanish: https://ods.od.nih.gov/factsheets/Calcium-DatosEnEspanol/
https://www.nlm.nih.gov/medlineplus/spanish/ency/article/002412.htm

Iron

The body absorbs two to three times more iron from animal sources than from plants. Some of the best dietary sources of iron are:

- Lean beef
- Turkey
- Chicken
- Lean pork
- Fish-tuna, salmon
- Eggs

Although you absorb less of the iron in plants, every bite counts, and adding vitamin C to vegetarian sources of iron will enhance absorption. **Vegetarians** should consume a variety of iron sources to meet daily requirements. Consuming a good source of vitamin C (citrus fruits, orange juice, tomatoes) at each meal increases iron absorption. Some of the best plant sources of iron are:

- Beans, including pinto, kidney, soybeans and lentils
- Dark green leafy vegetables such as spinach, broccoli, asparagus, kale or collards
- Fortified breakfast cereals
- Enriched rice
- Whole-grain and enriched breads such as wheat, brown rice, oats, millet,
- Fortified breakfast cereals
- Soybeans

For more information on Iron
https://www.nlm.nih.gov/medlineplus/ency/article/002422.html
https://ods.od.nih.gov/factsheets/Iron-Consumer/
Spanish: https://ods.od.nih.gov/factsheets/Iron-DatosEnEspanol/
https://www.nlm.nih.gov/medlineplus/spanish/ency/article/002422.htm

Vitamin C

Vitamin C comes from fruits and vegetables. Good sources include:

- Citrus fruits such as oranges grapefruit and their juices
- Red and green peppers
- Tomatoes
- Potatoes
- Strawberries
- Cantaloupe
- Kiwi fruit
- Brussels sprouts
- Broccoli and greens
- Some juices and cereals have added vitamin C.

For more information on vitamin C
https://www.nlm.nih.gov/medlineplus/vitaminc.html
https://ods.od.nih.gov/factsheets/VitaminC-Consumer/
Spanish: https://ods.od.nih.gov/factsheets/VitaminC-DatosEnEspanol/
https://www.nlm.nih.gov/medlineplus/spanish/ency/article/002404.htm

SOURCES: American Nutrition and Dietetics U.S., National Library of Medicine, Medline Plus, and U.S. Department of Health and Human Services- National Institute of Health, CDC.gov

REQUEST FOR WATER ANALYSIS

Billing Information

Name	DWL Account number
MDEQ - RRD Div #900040-00	M99953605
Mailing Address: Flint Residential Lab Services	
City: Lansing	State: MI / Zip: 48910

See reverse side for sample instructions and information

WSSN (Type I-II Public Water)	Does sample contain chlorine?	For questions call:
2310	(●) Yes ( ) No	810-787-6537 ext. 3501

SAMPLE SOURCE	SAMPLING PURPOSE
( ) 0 - Single Family Dwelling ( ) 9 - Other	9 - Other
	SAMPLE POINT 9 - Other

REPORT RESULTS TO: (*PLEASE PRINT*) NOTE: RESULTS WILL BE EMAILED TO YOUR LOCAL COUNTY HEALTH DEPARTMENT

Name	E-mail address
[redacted]	[redacted]
Mailing Address	Area Code & Phone number
City: Flint	State: MI / ZIP Code: 48505

SAMPLE COLLECTION INFORMATION (*PLEASE PRINT*)

Sample Collector Name	Date Collected	Time Collected ( ) AM ( ) PM

Collector Code

( ) 0 - County Personnel ( ) 1 - Water Supply Operator
( ) 3 - Private Citizen ( ) 4 - DEQ Staff other than DW
( ) 9 - Other

System/Owner Name	
Collection Site (Street Address)	Township (If known) / Section (If known)
City / County: Genesee	ZIP Code / Well Number (If more than one)
Sampling Point: ( ) Kitchen ( ) Bathroom	Site Code or Permit Number (If known)

TEST CODE	INVESTIGATION UNIT #	DRINKING WATER TEST
CCUB	36CC - 1 Liter	Lead/Copper for Investigation

Return sample and form to either Flint City Hall or the Flint Water Plant.
Samples must be received in the laboratory within 14 days of collection.

DRINKING WATER LEAD AND COPPER SAMPLING INSTRUCTIONS

Thank you for helping to monitor for lead and copper in your drinking water.

It is important that you follow these instructions so we obtain an accurate measurement of the lead and copper in your drinking water.

Do not open the bottle until instructed in step 3. Do not touch the inside of cap or bottle.

1. ***The water in the house must not have been used for a minimum of six (6) hours prior to sampling.*** The best times to sample are early morning or after returning from work. **Do not flush the sample tap before sample collection.**

2. Select a cold water faucet in the **KITCHEN** or **BATHROOM** that is commonly used for drinking and has been used within the last 24 hours. **No other faucets are acceptable for collection.** If the faucet is connected to a faucet mount filter, water softener, iron filter or reverse osmosis system, etc. the treatment device must be removed or bypassed.

When was the faucet last used before sampling? Date _____ TIME _____ AM/PM

Is there a faucet-mount filter? ☐ YES ☐ NO If YES, was it bypassed? ☐ YES ☐ NO

Is this faucet connected to a home treatment device *such as a water softener, a reverse osmosis unit, an iron removal* device OR is any kind of additive used in the home? ☐ YES ☐ NO

If YES, *please describe:* _____

If YES, was it bypassed? ☐ YES ☐ NO

3. Open sample bottle and place below the faucet and gently open the **COLD** water tap. If you have a single handle faucet, turn it fully to the **COLD** side. Fill the sample bottle to within an inch of the top with the "first draw" of **COLD** water.

4. Tightly cap the sample bottle

If any plumbing repairs or replacement has been done in the home since the previous sampling event, please note this information here:

If YES, please describe: _____

5. Fill out the collection information on the front, answer the questions below and sign the form.

6. Attach this form to the bottle and return it to either **Flint City Hall or the Flint Water Plant.**

7. Thank you again for your help. We will send you your individual results within 30 days of receiving them from the laboratory. A summary of information on this year's lead and copper monitoring will be printed in the annual water quality report that will be made available by July 1 of this year. Contact your water supply if you have questions.

If you have any questions contact:

City of Flint Water Plant 4500 N. Dort Hwy. Phone: 810-787-6537 ext. 3501

I have read the Drinking Water Lead and Copper Sampling Instructions and have taken a tap sample in accordance with these directions.

_____ _____

Sample Collector's Signature Date

Attention: Food Establishments using City of Flint water supply

Dear Food Establishment Operator:

In the fall of 2014 you were sent a document recommending actions that be taken to avoid the risk of serving lead contaminated water to your customer. This is being changed from a recommendation to a legal requirement and food establishment license enforcement action may be taken if non-compliance is found until the public health emergency declaration has been lifted.

Please see the updated attached requirements sheet. Immediate action may be needed by your establishment to come into compliance.

Your establishment has three options:

1. Show that your establishment is not using City of Flint water supply for drinking, processing or cooking.
2. Show that your water has been tested and is safe to use. Request free testing by a regulatory official (see instructions in attached requirements sheet).
3. Install water filters as needed and do daily flushing of water system (discontinuing use, flushing, etc. will still be needed until safe water test is obtained).

Michigan Department of Agriculture Inspectors are assisting Genesee County Health Department in conducting sampling and inspections, so you may work with a different person than your normal food inspector.

Sincerely,

Kevin Besey, Director
Food and Dairy Division
Michigan Department of Agriculture and Rural Development

1. Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and subject matter experts. (Operations Section Chief)
    A. Request and establish FEMA LNO in the SEOC to support liaison with other federal agencies (State Director)
    B. Establish Recovery Branch within the Operations Section. (OSC)
    C. Maintain daily SEOC briefing with state agencies. (PSC)
    D. Establish and maintain routine calls with local emergency manager and EMHSD District Coordinator. (State Director)
    E. Daily Subject Matter Experts coordinating call (OSC)

2. Obtain and maintain situational awareness and common operating picture of all activities. (PSC)
    A. Conduct daily briefings with state agency emergency managers. (PSC)
    B. Monitor MICIMS. (All)
    C. Produce maps to include bottled water, water filter, and pitcher, filter distribution, affected areas and infrastructure, and method of distribution. (GIS)
    D. Complete and produce daily situation reports. (PSC)
    E. DEQ planning liaison to local EOC (DEQ/LSC)

3. Establish SEOC operational period and hours of operations. (State Director) – Completed.
    A. Operation Period has been established as well as SEOC operational hours
    B. Review weekly for alteration of same

4. Investigate and identify all available programs for assistance with direct or related impacts. (Recovery Branch Director - RBD)
    A. Identify agencies to research potential assistance programs (RBD)
    B. Named agencies will research programs and determine eligibility guidelines, benefits, application process, contacts, etc. (RBD)
    C. Provide written report to Operations Section Chief as to program availability. (RBD)
    D. Investigate the federal Lead Pipe Replacement Program (DEQ)
    E. Investigate possible state assistance programs (FSC/MSHDA)
    F. Investigate Non-Stafford Act Assistance Programs (LNO/RBD)

5. Develop a comprehensive GIS strategy. (GIS)
    A. Identify critical needs for maps and overlays. (GIS)
    B. Identify current and potential resources for data collection. (GIS)
    C. Contact and coordinate with identified agencies to obtain and centrally locate all data. (GIS)
    D. Provide spatial analytics in support of SEOC. (GIS)
    E. Map food establishments and licenses. (GIS/MDARD)
    F. Coordinate with SME at UM-Flint regarding the digitization of City of Flint water infrastructure. (GIS)

6. Coordinate response and recovery activities with MIVOAD and identify potential mission areas. (RBD)
    A. Establish Recovery Branch. (OSC)
    B. Gather and compile available resources. (RBD)
    C. Gather and compile available assistance programs. (RBD)
    D. Determine resources already provided to affected area in response to emergency. (RBD)

7. Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies. (OSC)
    A. Identify subject matter experts (Dr. Wells, Dr. Mona Hatta-Attisha, Dr. Richard Sadler (MSU-Mapping), George Krisztian). (OSC)
    B. Establish and coordinate routine communication between SME's. (OSC)

8. Provide technical assistance to the local Damage Assessment process. (RBD)
    A. Establish Recovery Branch. (OSC)
    B. Provide templates and information as to requirements of damage assessment reports. (RBD)
    C. Conduct daily conference calls with local emergency manager and EMHSD District Coordinator to assess progress and obtain updates. (RBD)
    D. Coordinate daily communication with the District Coordinator and GIS Unit Leader to monitor progress and document data. (RBD)

9. Establish a Joint Information Center (JIC) and develop a public information strategy. (PIO)
    A. State agency PIO's meet to determine needs and strategy for public information dissemination. (PIO)
    B. Determine technical needs for on-site JIC. (PIO)
    C. Coordinate with local (County/City) JIC. (PIO)
    D. Determine need to co-locate state and local JIC. (PIO)
    E. If the need to relocate the JIC is identified, establish location and logistical needs. (PIO)
    F. Develop and distribute door hangers for public information. (PIO)

10. Monitor MI CIMS for resource requests and address as appropriate. (LSC)
    A. Monitor and assist with input of resource requests. (LSC)
    B. Review requests and review with command to receive approval to assign and fill requests. (LSC)
    C. Track resources provided to date and those provided throughout the course of this event. (PSC)

11. Establish and disseminate cost center information for the incident. (FSC)
    A. Establish Index/PCA. - Complete
    B. Distribute information to state agencies. – Complete
    C. Track costs related to this emergency. (FSC)

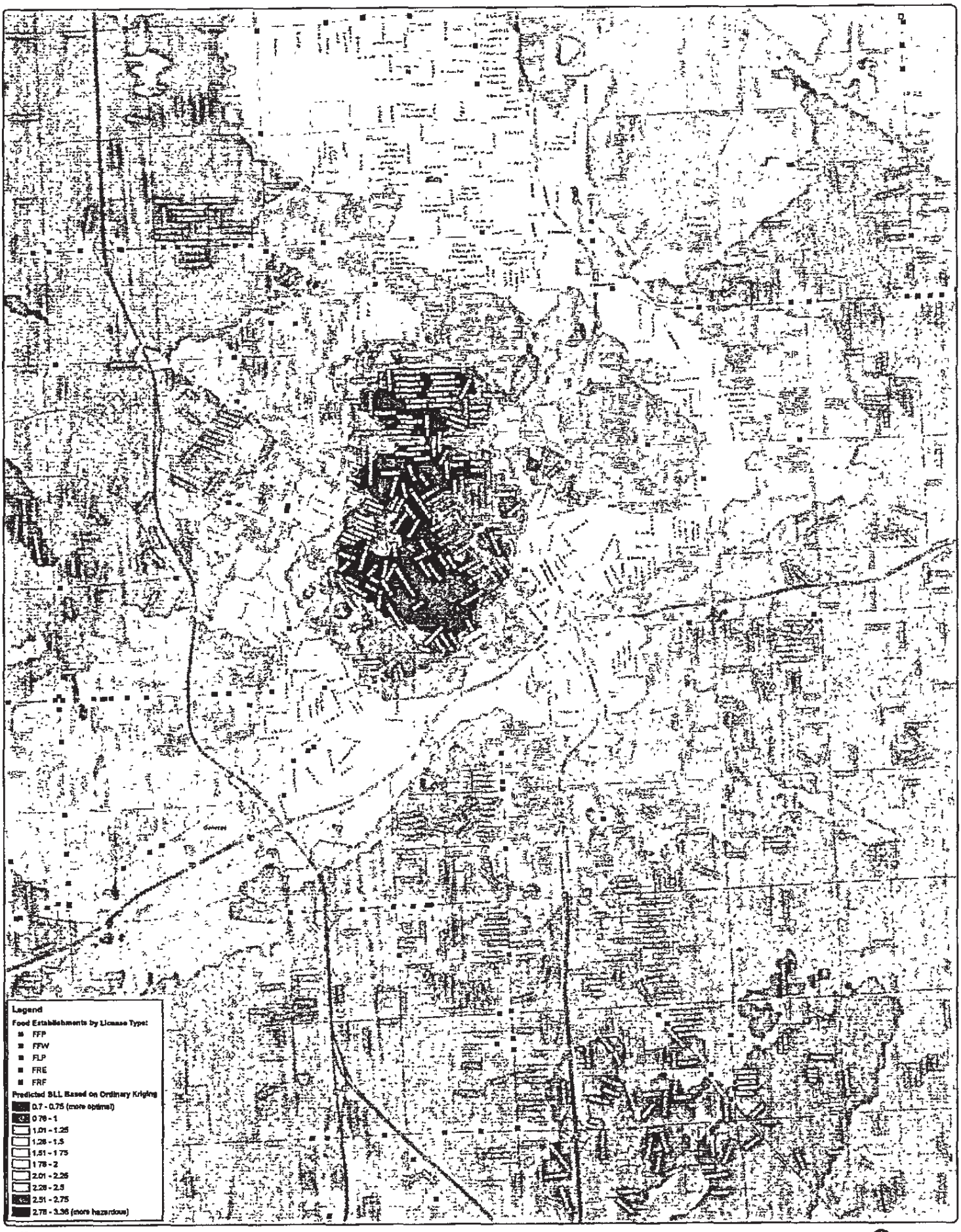
12. Develop a plan for public nutrition, education and availability.
    A. Identify activities to date and provide coordination in development of strategy. (MDARD)
    B. Continue to conduct the Child Nutrition Programs according to existing protocols. (MDE)

13. Develop a plan for water testing all impacted water service customers.
    A. Identify distribution points. (MDEQ)
    B. Coordinate public outreach. (MDEQ/PIO)

14. Safety
    A. Maintain safe work sites and practices at all times. (Covey)
    B. Weather messages: Sunday's weather is expected to be wet and cold with high winds. Icing is very possible. (NWS)

15. Facilitate and Coordinate and effective water and filter distribution process to assure adequate supply and distribution is maintained throughout the city and water service area.
    A. Coordinate all participating agencies and NGOs. (Local EOC/Logistics/MCSC)
    B. Develop coordinated plan for warehousing and distribution. (Local EOC/MDHHS)
    C. Warehousing. (Genesee County Food Bank)
    D. Distribution. (Local EOC/MCSC/ARC/NGOs)
    E. Donations. (2-1-1)

Flint Water Crisis - Food Establishments



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 1 2

The information is being provided by the City of Flint, Dr. Mona Hanna-Attisha, Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD). The MSP/EMHSD assumes no responsibility for the completeness or accuracy of the data displayed on the map. Data layers were compiled from various sources and are not to be construed as a "legal description"

Author: MSP-SEOCGIS2@michigan.gov, (A111)
Created: 01:03 PM, 13 Jan 16

STATE OF MICHIGAN
JOINT INFORMATION CENTER

NEWS RELEASE

FOR IMMEDIATE RELEASE
January 6, 2016; 4:50 p.m.
Release #: 01

For more information contact:
Joint Information Center
888-EMD-TODAY (888-363-8632)

State of Michigan Joint Information Center Now Operational

LANSING, Mich. – Today the State of Michigan launched its Joint Information Center (JIC) to coordinate public information from the State Emergency Operations Center, set up to help with health and safety issues caused by lead in the city of Flint's drinking water. The emergency operations center was activated after Gov. Rick Snyder declared a state of emergency for Genesee County on Jan. 5.

Public information and updates, including resources for residents such as how to obtain free water filters and lead testing, are available at www.michigan.gov/FlintWater.

The JIC will serve as the state's central communications hub for this emergency and is staffed by public information officers (PIO) from several state agencies. Hours of operation will be 9 a.m. – 5 p.m., Monday – Friday, until further notice.

It is operating out of the Michigan State Police Emergency Management and Homeland Security Division in Lansing. State officials have been in contact with Flint and Genesee County officials to move the JIC to the city of Flint to better partner and coordinate with local agencies.

The declaration makes available all state resources in cooperation with local response and recovery operations.

Genesee County declared a "local state of emergency" on Jan. 4, activating local emergency response and recovery plans. By requesting a governor's declaration, the county has determined local resources are insufficient to address the situation and state assistance is required to protect public health, safety and property to lessen or avert the threat of a crisis.

The city of Flint has been under a local emergency declaration since Dec. 14, 2015.

###

NOTE: ALL MEDIA INQUIRIES ARE BEING HANDLED BY THE JOINT INFORMATION CENTER AT 888-EMD-TODAY (888-363-8632).

Facebook:

State of Michigan Joint Information Center is open to handle public information for #FlintWater. Updates and information available at www.mi.gov/flintwater.

Resources and information about #FlintWater can be found at www.mi.gov/flintwater.

Use City of Flint water? Call 211 to find out where you can pick up a free water filter. #FlintWater

Live in Flint? Get your water tested for lead – it's free. Call 810-787-6537.

Did you know that filters can remove up to 99% of lead in water when used properly. To be sure your filter is removing as much lead as it can, carefully follow the instructions that came with it. Be sure to change the filter cartridge often. Run only cold water through the filter. Learn more at www.mi.gov/flintwater.

Use filtered tap water for:
- Drinking (including making coffee, drink mixes, juice, baby formula)
- Cooking (even if you boil the water, the lead will stay in the water and food)
- Washing fruits and vegetables

You can use unfiltered tap water for:
- Washing your hands
- Washing dishes
- Wiping down countertops

To learn more, visit www.mi.gov/flintwater.

Use filtered tap water for:
- Brushing kids' teeth

You can use unfiltered tap water for:
- Showers
- Baths (don't let kids drink the water as they play in the tub)
- Brushing your teeth (if you are an adult)

Lead will not cause rashes or other skin problems. However, if chlorine levels or other cleaners are high in the water, it may cause itchy or dry skin (similar to what can happen when you swim in a pool). Learn more at www.mi.gov/FlintWater.

Learn how to properly install a water filter at https://www.youtube.com/watch?v=plsOvmH__0&sns=em. #FlintWater

Buildings built before 1978 could have lead paint in them. Use wet paper towels to clean up paint chips and dust in these buildings.

Twitter:

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RETAIN THIS IMAGE
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12. Develop a plan for nutrition education and availability.

13. Develop a plan for water testing all impacted water service customers.

Requirements for Licensed Food Establishments Using City of Flint Water

January 11, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses who might be concerned with lead in water.

- *The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform* consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test". Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 A.M. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612.
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-3939.

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. *Then flush other equipment such as pop machines for at least 1-2 minutes.*
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
- Use cold water and store it for immediate consumption.
- Always use cold water for drinking, cooking and cleaning/rinsing food.
- *Hot water must be used for dishwashing.*

Other equipment that may use city water:

- Ice machines – Install a water filter on the supply line or use bagged ice in drinking water.
- Pop machines – Flush for 1 minute daily or use bottled beverages.
- Coffee machines or Tea Urns – Flush for 1-2 minutes daily or use filtered water. These products may be very low risk as young children under 6 are not likely to consume these.
- *Slush machines – Use filtered water.*
- Spray misters – Flush for 1-2 minutes daily or use filtered water.

A licensed plumber can check your plumbing and service lines for lead soldering or lead service lines.

MDHHS Michigan Department of Health & Human Services

DEQ

Michigan Department of Agriculture & Rural Development

Requirements for Licensed Food Establishments Using City of Flint Water

January 12, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

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MDHHS Michigan Department of Health & Human Services

DEQ

Michigan Department of AGRICULTURE & Rural Development

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

EXECUTIVE ORDER
No. 2016 – 1

CREATION OF
FLINT WATER INTERAGENCY COORDINATING COMMITTEE

MICHIGAN DEPARTMENT OF STATE POLICE

WHEREAS, Section 1 of Article V of the Michigan Constitution of 1963 vests the executive power of the state of Michigan in the Governor; and

WHEREAS, Section 2 of Article V of the Michigan Constitution of 1963 empowers the Governor to make changes in the organization of the Executive Branch or in the assignment of functions among its units that he considers necessary for efficient administration; and

WHEREAS, municipal water in the City of Flint showed elevated lead levels after the City of Flint switched its water source to the Flint River; and

WHEREAS, the County of Genesee and the City of Flint have taken actions to cope with the situation, including but not limited to, switching back to the Detroit water system on October 16, 2016, declaring local states of emergency, activating the emergency response and recovery aspects of their emergency operations plan, marshaling and distributing required resources on a city-wide level, and issuing emergency public information and bulletins; and

WHEREAS, the Flint Water Advisory Task Force was formed as an independent advisory task force charged with reviewing actions regarding water use and testing in Flint; and

WHEREAS, the Flint Water Advisory Task Force has made an interim recommendation that the state government should coordinate a sustained, public-health focused response to remedy, to the fullest extent possible, the impacts on the Flint community; and

WHEREAS, on January 5, 2016, the Governor issued a proclamation declaring a state of emergency in the County of Genesee and the City of Flint; and

WHEREAS, multiple state departments and local authorities share the responsibility for ensuring safe drinking water and the coordination of efforts to address the consequences resulting from the presence of elevated lead levels in drinking water; and

WHEREAS, ensuring safe drinking water and addressing the consequences of elevated lead levels in drinking water will require collaboration and communication between state departments, local governments, and subject matter experts; and

WHEREAS, the establishment of a Flint Water Interagency Coordinating Committee within the Michigan Department of State Police will facilitate the collaboration and

communication between state departments, local governments, and subject matter experts necessary to effectively coordinate a response and recovery effort;

NOW, THEREFORE, I, Richard D. Snyder, Governor of the state of Michigan, by virtue of the power and authority vested in the Governor by the Michigan Constitution of 1963 and Michigan law, order the following:

I. CREATION OF THE FLINT WATER INTERAGENCY COORDINATING COMMITTEE

A. The Flint Water Interagency Coordinating Committee ("Coordinating Committee") is created as an advisory body within the Michigan Department of State Police (the "Department").

B. The Coordinating Committee shall be composed of the following seventeen (17) members who shall serve an initial term expiring on December 31, 2018.

- The Director of Office of Urban Initiatives within the Executive Office of the Governor;
- The Deputy State Director of Emergency Management and Homeland Security within the Michigan Department of State Police;
- The Director of the Department of Environmental Quality, or his or her designee;
- The Director of the Department of Health and Human Services, or his or her designee;
- The Director of the Department of Licensing and Regulatory Affairs, or his or her designee;
- The State Treasurer, or his or her designee;
- The Superintendent of Public Instruction, or his or her designee;
- The elected Mayor of the City of Flint who shall be appointed to the Coordinating Committee by the Governor;
- Three (3) additional representatives of the City of Flint who shall be submitted by the Mayor of the City of Flint and appointed to the Coordinating Committee by the Governor;
- Three (3) representatives of Genesee County who shall be submitted by the Genesee County Board of Commissioners and appointed to the Coordinating Committee by the Governor; and
- Three (3) subject matter experts who shall be appointed to the Coordinating Committee by the Governor.

After the initial appointments, members of the Coordinating Committee appointed under this subsection shall serve terms of three years.

C. A vacancy on the Coordinating Committee occurring other than by expiration of a term shall be filled in the same manner as the original appointment for the balance of the unexpired term. A member may continue serving until his or her successor is appointed. A member may serve successive terms if reappointed.

II. CHARGE TO THE COORDINATING COMMITTEE

A. The Coordinating Committee shall act in an advisory capacity to the Governor and subject to the Governor's review and approval, shall do all of the following:

1. Create an incident action plan designed to assist state and local authorities in ensuring safe drinking water for the residents of the City of Flint and addressing the consequences of elevated lead levels in drinking water.

2. Review recommendations made by the Flint Water Advisory Task Force and propose statutory, regulatory, or contractual actions necessary for implementation of such recommendations.

3. Identify staff with competencies in emergency planning, operations, logistics, and finance as outlined under the National Incident Management System (NIMS) to work with the Coordinating Committee to track resource requests and document progress on the incident action plan.

4. Establish a standard process for sharing pertinent information between all members including use of the NIMS and Unified/Incident Command as appropriate.

5. Establish routine communications protocols at the local, executive, and legislative levels as appropriate.

6. Establish a public information protocol to effectively inform the community.

7. Make recommendations for acceptable standards for potable water.

8. Make recommendations regarding the health impacts for the affected population.

9. Assess the status of infrastructure and determine feasible actions to upgrade the water system.

10. Establish subcommittees among its members to specifically address, at a minimum, each of the three following topic areas: Water Quality, Community Health, and Education.

11. Assist the Governor and the Department in implementing appropriate operations permitted under the Michigan Emergency Management Act or the federal Stafford Disaster Relief and Emergency Assistance Act, including local emergency operations plans and guides.

12. Explore any avenues of funding for response and recovery efforts including federal grants, legislative appropriations, and private partners.

B. The Coordinating Committee shall provide other information or advice as requested by the Governor or the Department.

III. OPERATIONS OF THE COORDINATING COMMITTEE

A. The Coordinating Committee shall be staffed and assisted by personnel from the Department as directed by the Department Director. Any budgeting, procurement, and related management functions of the Coordinating Committee shall be performed under the direction and supervision of the Department Director.

B. The Director of Office of Urban Initiatives within the Executive Office of the Governor and the Deputy State Director of Emergency Management and Homeland Security shall together serve as the Statewide Coordinators responsible for the administrative functions of the Coordinating Committee.

C. The Coordinating Committee may utilize subcommittees and advisory panels composed of its members to assist in completing the functions of the Coordinating Committee. The Coordinating Committee may request public participation on advisory panels as the Coordinating Committee deems necessary.

D. When making recommendations to the Governor, a majority of the serving members of the Coordinating Committee must concur.

E. The Coordinating Committee shall meet at the call of either of the Statewide Coordinators and as may be provided in procedures adopted by the Coordinating Committee.

F. The Coordinating Committee may, as appropriate to perform its duties, make inquiries, conduct studies, consult with outside experts and federal agencies, and receive comments from the public.

G. Members of the Coordinating Committee shall serve without compensation but may receive reimbursement for necessary travel and expenses according to relevant statutes and the rules and procedures of the Civil Service Commission, and the Department of Technology, Management and Budget, subject to available funding.

H. The Coordinating Committee may accept donations of labor, services, or other items of value from any public or private agency or person. Any donations shall be expended in accordance with applicable laws, rules, and procedures.

I. Members of the Coordinating Committee shall refer all legal, legislative, and media contacts to the Department.

J. A writing prepared, owned, used, in the possession of, or retained by the Coordinating Committee in the performance of an official function is subject to the Freedom of Information Act, 1976 PA 442, as amended, MCL 15.231 to 15.246.

IV. MISCELLANEOUS

A. All departments, committees, commissioners, or officers of this state or of any political subdivision of this state may give to the Coordinating Committee, or to any member or representative of the Coordinating Committee, any necessary assistance required by the

Coordinating Committee, or any member or representative of the Coordinating Committee, in the performance of the duties of the Coordinating Committee so far as is compatible with its, his or her duties.

B. Any suit, action, or other proceeding lawfully commenced by, against, or before any entity affected under this Order shall not abate by reason of the taking effect of this Order.

C. The invalidity of any portion of this Order shall not affect the validity of the remainder of the Order.

The Executive Order shall become effective upon filing.

Given under my hand and the Great Seal of the state of Michigan this 11th day of January, in the year of our Lord, Two Thousand Sixteen

RICHARD D. SNYDER
GOVERNOR

BY THE GOVERNOR:

SECRETARY OF STATE

FILED WITH SECRETARY OF STATE
ON 1/11/16 AT 10:05AM

REGION_C	ESTAB_ID	STATE_LICENSE_ID	ESTAB_NM	ADDRESS_S	CITY_NM	ZIP_CD
2	88236	FRF116298	BUNDY PRODUCE LLC	300 E FIRST	FLINT	48502
2	8888	FRF047150	SAGINAW LEASE INC	1209 S SAG	FLINT	48502
2	8890	FFW003741	COCA COLA REFRESHMENTS US/	2603 LAPEI	FLINT	48503
2	8892	FFW003866	REAL TREAT POPCORN CO	431 ASYLUI	FLINT	48503
2	8893	FFW005015	MOFFETT FOOD SERVICE	145 W LAK	FLINT	48503
2	8897	FFW064723	FOOD BANK OF EASTERN MICHI	2312 LAPEI	FLINT	48503
2	8908	FRF004762	RITE AID DISCOUNT PHARMACY	3521 CORL	FLINT	48503
2	8911	FRF022211	RITE AID DISCOUNT PHARMACY	2838 E COL	FLINT	48503
2	8912	FRF025281	D & H MARKET	2134 M L K	FLINT	48503
2	8915	FRF028447	M L K MARKET	1143 MAR	FLINT	48503
2	8935	FRF038062	SOUTH SIDE COMMUNITY STOR	2355 LAPEI	FLINT	48503
2	8938	FRF039636	HAZIM PARTY STORE	2310 S SAG	FLINT	48503
2	8944	FFP053198	SPRING MOUNTAIN WATER CO	425 S DOR	FLINT	48503
2	8969	FRF085982	QUIK PICK PARTY STORE	1742 W CO	FLINT	48503
2	8970	FFP003638	BALKAN BAKING CO	1325 DAYT	FLINT	48504
2	8980	FRF004340	HOLIDAY WINE SHOPPE	3412 CLIO	FLINT	48504
2	8988	FRF026283	QUEENS CORNER	G 4516 PA	FLINT	48504
2	9000	FRF033359	K CS MARKET	1716 DUPC	FLINT	48504
2	9002	FRF035310	777 PARTY STORE	G 1229 N B	FLINT	48504
2	9004	FRF038574	SAFAROS FOOD STORE	6016 CLIO	FLINT	48504
2	9006	FRF040830	WORKS PARTY STORE (THE)	4500 W PIE	FLINT	48504
2	9012	FRF050824	S & E GAS STATION	1670 DUPC	FLINT	48504
2	9020	FRF064601	D & R MARKET INC	1402 N CHI	FLINT	48504
2	9023	FRF067333	DAVIDS PARTY STORE INC	816 WELCH	FLINT	48504
2	9031	FRF078856	RITE AID PHARMACY #4761	1124 N BAI	FLINT	48504
2	9034	FRF080321	RITE AID #4310	5018 CLIO	FLINT	48504
2	9038	FRF085117	PRINCE PARTY STORE (THE)	808 W PAS	FLINT	48504
2	9045	FRF003857	MIKES GROCERY INC	1013 W PIE	FLINT	48505
2	9046	FRF003889	BROTHERS FOOD CENTER	4311 N SAC	FLINT	48505
2	9062	FRF014396	NORTHEND MARKET	G 5272 N S	FLINT	48505
2	9068	FRF027089	JOHNNYS SUPERETTE INC	2191 W CO	FLINT	48505
2	9107	FFP080330	COUNTRY HOME CREATIONS IN	5132 RICHI	FLINT	48506
2	9113	FRF003934	KC'S MARKET III	3246 RICHI	FLINT	48506
2	9127	FRF014353	RITE AID DISC PHARMACY #378(	1810 MAPI	FLINT	48506
2	9131	FRF029354	CROSSROADS VILLAGE CIDER MI	G 6140 BR/	FLINT	48506
2	9133	FRF032322	ATLAS MILL CROSSROAD VILLAG	6140 N BR/	FLINT	48506
2	9136	FRF033271	ONE STOP FOOD STORE #11	G 5216 RIC	FLINT	48506
2	9142	FRF046050	SAMS FOOD MARKET	5016 RICHI	FLINT	48506
2	9146	FRF050505	DORT FILL UP INC	4030 N DO	FLINT	48506
2	9150	FRF056826	DORT PARTY STORE	3001 N DO	FLINT	48506
2	9152	FRF064287	MR BREAD INC	2709 DAVI	FLINT	48506
2	9167	FRF083369	CAKE LADIES II (THE)	2388 SECL	FLINT	48506
2	9168	FRF083370	CAKE LADIES I (THE)	1829 DELA	FLINT	48506
2	9176	FRF085295	ADMIRAL PETROLEUM #105	2617 N DO	FLINT	48506
2	9178	FFW044113	HAV A BAR ICE CREAM INC	3207 S GR/	FLINT	48507
2	9179	FFW049653	DAVES COFFEE SERVICE INC	3222 S DYE	FLINT	48507
2	9192	FRF004250	SALS PARTY STORE INC	3026 FENT	FLINT	48507

2	9195	FRF004414	SWAK INC	3605 FENT	FLINT	48507
2	9201	FRF014865	FOOD PLUS PARTY STORE INC	1052 E MA	FLINT	48507
2	9209	FRF030377	GENERAL NUTRITION CENTER #7	3491 LINDI	FLINT	48507
2	9210	FRF030675	SPEEDWAY #8752	G 5252 W I	FLINT	48507
2	9212	FRF034056	ONE STOP FOOD STORES #15	3910 FENT	FLINT	48507
2	9216	FRF038825	HICKORY FARMS INC #10245	3341 LINDI	FLINT	48507
2	9221	FRF042211	ONE STOP FOOD STORES #21	2374 W HII	FLINT	48507
2	9225	FRF049064	CRAIGS FOOD STORES #344	G 5589 S S/	FLINT	48507
2	9233	FRF053232	WASH WORLD INC	G 2109 W I	FLINT	48507
2	9261	FRF080961	RITE AID #4438	3717 FENT	FLINT	48507
2	9275	FRF085785	AM & PM GAS MART INC	G 3356 MII	FLINT	48507
2	9358	FFP078417	ABBOTT'S MEAT INC	3623 BLAC	FLINT	48532
2	9362	FRF003923	BROWN STREET MARKET	3137 BROV	FLINT	48532
2	9384	FRF077973	RITE AID DISC PHARMACY #4442	4515 CORL	FLINT	48532
2	9392	FRF085767	S & A PETRO INC	5277 CORL	FLINT	48532
2	19562	FRF086690	GENESEE LIQUOR MARKET INC	3433 N GEI	FLINT	48506
2	19617	FRF086482	V & T ENTERPRISES INC	1680 CHEV	FLINT	48504
2	24508	FRF087198	RITE AID #1587	4519 RICHI	FLINT	48506
2	25113	FRF087298	ALDI #81	4270 CORL	FLINT	48532
2	25754	FRF087447	AMIRAS BEER & WINE INC	3102 N SAC	FLINT	48505
2	28774	FRF087926	ZERKAS STOP & SHOP #2	G 1395 W I	FLINT	48507
2	36529	FRF089306	ADMIRAL PETROLEUM CO #124	3802 DAVII	FLINT	48506
2	37128	FRF089461	QUICK PICK PARTY STORE II	3138 W PIE	FLINT	48504
2	37994	FRF088097	DOLLAR GENERAL STORE #9625	1717 N DO	FLINT	48506
2	39273	FRF089962	WALGREENS #07500	5020 CORL	FLINT	48532
2	39692	FRF090254	SAMI QUIK STOP	2743 CORL	FLINT	48503
2	39772	FRF090280	LAPEER LIQUOR SHOPPE	3401 LAPEI	FLINT	48503
2	40360	FRF090738	CORUNNA DOLLAR STORE	2605 CORL	FLINT	48503
2	40590	FRF090984	RIVERSIDE TABERNACLE	429 N B CH	FLINT	48503
2	40674	FFW090993	ROLLING FRITO LAY SALES LP	6400 TAYL	FLINT	48507
2	41789	FRF091334	ZERKA FOOD CENTER	523 W CAR	FLINT	48505
2	42240	FRF091580	GANDER MOUNTAIN #165	5038 MILLI	FLINT	48507
2	42636	FRF091805	GOLDEN SPOT LIQUOR	1909 E COL	FLINT	48503
2	43292	FRF092230	E & J FOOD MARKET	5217 N SAC	FLINT	48505
2	43844	FRF092696	SINGHS STOP	4111 N DO	FLINT	48505
2	43867	FRF092725	DORT LIQUOR SHOP	2817 S DOI	FLINT	48507
2	43960	FRF092854	4-WAY PARTY STORE	1302 DUPC	FLINT	48504
2	44412	FRF094123	W I ABUFARHA INC	701 W STE	FLINT	48504
2	44496		KAR NUT PRODUCTS CO	G-5180 DO	FLINT	48507
2	44767	FFW093176	T & T SHEROSKI #3 INC DBA LITT	1826 BAGV	FLINT	48503
2	47033	FRF097136	SHOP & GO MINI MART	1516 W PIE	FLINT	48505
2	47264	FRF093976	FRANKLIN ST MINI MART	2702 N FR/	FLINT	48506
2	47825	FRF095277	FARAHS FOOD MARKET	843 S STEV	FLINT	48506
2	47844	FRF095286	HAPPY BOY MARKET	3572 FLUSI	FLINT	48504
2	47887	FRF095309	BIG D PARTY STORE	4101 N DO	FLINT	48505
2	47999	FRF095446	FAMILY DOLLAR STORES OF MIC	G 3294 COI	FLINT	48532
2	48432	FRF095836	BIG STAR MARKET	G-5237 DE	FLINT	48505

2	48911	FRF096279	SAMS LIQUOR MARKET	773 WAGEI	FLINT	48505
2	49006	FRF096163	BIG LOTS #1601	G 5112 MII	FLINT	48507
2	49302	FRF096509	DOLLAR TREE STORE 00675	3821 LAPEI	FLINT	48503
2	49304	FRF096510	DOLLAR TREE STORE 00669	4366 W PIE	FLINT	48504
2	49306	FRF096499	DOLLAR TREE STORE 03284	4823 FENTI	FLINT	48507
2	49307	FRF096513	DOLLAR TREE STORE 00187	3192 S LINI	FLINT	48507
2	51190	FRF097574	QUICK STOP PETROLEUM INC	2315 N DO	FLINT	48506
2	51624	FRF097866	REENA LLC	5520 N GEI	FLINT	48506
2	52038	FRF097930	STANLEYS MARKET	101 E FLIN	FLINT	48505
2	52290	FRF098367	EASY PICK FOOD SHOPPE	2318 LEWI	FLINT	48506
2	52291	FRF098375	TOUJOURS CHOCOLAT CHOCOL	1081 ROM	FLINT	48507
2	52473	FRF098561	DAVISON ROAD QUIK STOP	2005 DAVI	FLINT	48506
2	52474	FRF098562	FENTON ROAD QUIK STOP	4412 FENTI	FLINT	48507
2	52706	FRF098769	GREAT LAKES PARTY STORE	3801 S SAG	FLINT	48507
2	52994	FRF098965	DOLLAR GENERAL #11013	5452 S SAG	FLINT	48507
2	53065	FRF098989	FLUSHING QUICK STOP	3215 FLUSI	FLINT	48504
2	53449	FRF099220	FAMILY DOLLAR STORE #7673	2702 FENTI	FLINT	48507
2	54184	FRF099578	GRANTS GROCERY	101 E RUTH	FLINT	48505
2	54735	FRF099741	B P	4513 W PA	FLINT	48504
2	56222	FFP100405	R & J ALMONDS INC	G 4254 FEI	FLINT	48507
2	57334	FRF100915	PARADISE MINI MART	G 3352 FLL	FLINT	48504
2	58504	FFW101352	KAR NUT PRODUCTS	G5180 S DC	FLINT	48507
2	59186	FFW101647	REAL TREAT POPCORN CO	507 ASYLUI	FLINT	48503
2	59712	FRF101876	DOLLAR & DIME INC	2513 N SAC	FLINT	48505
2	60193	FRF102079	K & J MARKET	2638 FLUSI	FLINT	48504
2	60378	FRF102122	FAMILY DOLLAR STORE #7389	877 E 5TH	FLINT	48503
2	61438	FRF102685	KINGS MARKET	1602 OREN	FLINT	48503
2	61474	FRF102705	DOLLAR GENERAL STORE #8288	4416 S DOI	FLINT	48507
2	62183	FFW103128	GC-CARD/COMMODITY DISTRIB	2727 LIPPII	FLINT	48507
2	63091	FRF103626	FAB MANAGEMENT INC	G5272 MIL	FLINT	48507
2	63875	FRF104174	DOLLAR TREE #4122	2452 W HII	FLINT	48507
2	65475	FRF105367	MRS FIELDS COOKIES	3341 S LINI	FLINT	48507
2	65827	FRF105427	DADO MARKET 1817 INC	1817 N SAC	FLINT	48505
2	66056	FRF105571	FLINT PETRO MART INC	1960 W AT	FLINT	48507
2	67329	FRF106283	7022 N SAGINAW INC	7022 N SAC	FLINT	48505
2	67479	FFW106415	NZ WHOLESALE	2605 CORL	FLINT	48503
2	67592	FRF106505	UNIVERSITY OF MICHIGAN-FLIN	303 S SAGI	FLINT	48502
2	69352	FRF107432	LEITH FOOD MARKET	1900 LEITH	FLINT	48506
2	69377	FRF107385	NIKOLAIS NEIGHBORHOOD PAR	1113 W PA	FLINT	48504
2	71175	FRF108121	SEASONS C STORE	G 1313 W (	FLINT	48505
2	72724	FRF108555	SUPER DOLLAR TOWN PLUS	4401 DUPC	FLINT	48505
2	72916	FRF108674	SAMS ROLLINGWOOD MARKET	4612 WEST	FLINT	48506
2	73108	FRF108711	KANDY SHACK	1101 S SAG	FLINT	48502
2	73109	FRF108719	DOUS OIL INC	6040 CLIO	FLINT	48504
2	73969	FRF109108	ROYAL LIQUOR STORE #3 LLC	808 S CENT	FLINT	48506
2	74055	FLP109431	WITHERS MOUNTAIN HONEY FA	3493 MILLS	FLINT	48506
2	74925	FRF109324	LIQUOR CAVE	G-5011 CLI	FLINT	48504

2	76009	FRF109586	ATN OIL INC	5015 RICHI	FLINT	48506
2	77051	FRF110192	FAMILY DOLLAR STORE #1273	709 E PIER:	FLINT	48505
2	77236	FRF110345	CLIO ROAD MARKET	2500 CLIO	FLINT	48504
2	77390	FRF110478	TONY K'S PARTY SHOPPE	4202 FENT	FLINT	48507
2	77512	FRF110497	ADMIRAL PETROLEUM CO #285	G3265 MIL	FLINT	48507
2	77527	FRF110553	DOLLAR GENERAL STORE #6020	5076 RICHI	FLINT	48506
2	77604	FRF110596	DOLLAR GENERAL STORE #1324	2015 COLD	FLINT	48505
2	77943	FRF110880	SAGINAW FUEL NORTH LLC	3841 S SAG	FLINT	48507
2	78022	FRF110836	ATHERTON FUEL LLC	514 W ATH	FLINT	48507
2	78111	FRF110840	BRISTOL FUEL LLC	1374 W BR	FLINT	48507
2	78374	FRF111090	GOURMET FOODS OUTLET	G 5452 N C	FLINT	48505
2	78418	FFW111188	PRAIRIE GOLD	3207 S GRA	FLINT	48507
2	78492	FRF111211	ADMIRAL PETROLEUM CO #286	4646 S DOI	FLINT	48507
2	78678	FFW111259	GREG DENNE DISTRIBUTING INC	5147 N GEI	FLINT	48506
2	79105	FRF111473	EZ FUEL INC	1330 E ATH	FLINT	48507
2	79519	FRF111558	DOLLAR GENERAL STORE #1358	115 E PIER:	FLINT	48505
2	79838	FRF111603	FLEMING OIL INC	5140 FLEM	FLINT	48504
2	80194	FRF111793	JCPENNEY CORP INC #1979	3535 S LINI	FLINT	48507
2	80486	FRF111943	AAS GAS MART	1901 N DO	FLINT	48506
2	80644	FRF112087	OASIS MARKET	1174 W HII	FLINT	48507
2	80850	FRF112207	CLIO PETROLEUM LLC	4006 CLIO	FLINT	48504
2	80980	FRF112376	QUICK PICK PARTY STORE III	G 3169 W I	FLINT	48504
2	81470	FRF112689	KING OIL MART LLC	3317 MAR	FLINT	48505
2	81559	FRF112774	PIERSON RD FUEL STOP INC	4172 PIERS	FLINT	48504
2	81631	FRF112991	FAMILY DOLLAR STORES OF MI I	2627 W PIE	FLINT	48504
2	81655	FRF112869	WOODCROFT MARKET	2856 MILLI	FLINT	48503
2	82808	FFP113730	CANDICE FOODS	6165 TAYL(	FLINT	48507
2	82823	FRF113493	CORUNNA EXPRESS STOP #22 LL	3930 CORL	FLINT	48532
2	83261	FRF113714	OLLIES BARGAIN OUTLET INC	5038 MILLI	FLINT	48507
2	83773	FRF114250	B & G MINI MART LLC	G-4196 CO	FLINT	48532
2	84306	FRF114072	FLINT LUCKY STAR	3917 W CO	FLINT	48532
2	84372	FRF114070	FIVE BELOW #562	4085 MILLI	FLINT	48507
2	84617	FRF114319	COLEY CANTEEN SERVICES	1221 JAME	FLINT	48503
2	84848	FRF115599	AND THAT!	4071 MILLI	FLINT	48507
2	84868	FRF114419	A & N GAS INC	527 N GRA	FLINT	48503
2	85025	FRF114562	JULIANO'S C STORE	3518 CORL	FLINT	48503
2	85140	FRF114608	FAMILY DOLLAR STORE #10656	3480 W PIE	FLINT	48504
2	85392	FLP114808	BONGOS POPCORN LLC	300 E FIRS1	FLINT	48502
2	85701	FRF115031	MERAUIZ OIL INC	2320 DAVI:	FLINT	48506
2	85772	FRF115115	MCCARRONS ORCHARD & BAKE	300 E FIRS1	FLINT	48502
2	85902	FFW115190	JMA SNACKS LLC	6246 N GEI	FLINT	48506
2	86098	FRF115362	WILDTREE	300 E FIRS1	FLINT	48502
2	86126	FRF115298	D VINE WINES	300 E FIRS1	FLINT	48502
2	86185	FRF115301	DISCOUNT RX PHARMACY	4400 S SAG	FLINT	48507
2	86448	FRF115517	BIMBO BAKERIES USA INC	1356 W HII	FLINT	48507
2	86507	FRF115546	GREAT HARVEST BREAD CO	300 E FIRS1	FLINT	48502
2	86606	FRF115605	FLINT INGREDIENT CO/THE LOC	300 E FIRS1	FLINT	48502

2	86619	FRF115629	A & B GAS INC	2905 N SA(	FLINT	48505
2	86687	FRE115725	DAWN DONUT	3405 CLIO	FLINT	48504
2	86699	FRF115647	ALGODA GAS INC	2726 W CO	FLINT	48503
2	86710	FRF115652	CABS PARTY STORE	2816 RICHI	FLINT	48506
2	86770	FRF115923	CARMEL YUM YUMS	2474 S BAL	FLINT	48507
2	87076	FRF115950	SOOZIE QS	300 EAST F	FLINT	48502
2	87207	FRF116129	CRUST LLC	301 E FIRS1	FLINT	48502
2	87452	FRF116033	AMAYSING CHEESECAKES	300 EAST F	FLINT	48502
2	87830	FRF116150	DOLLAR GENERAL STORE #8120	3708 FENT(	FLINT	48507
2	88212	FRF116274	902 DORT INC	902 DORT I	FLINT	48503
2	88311	FRF116339	AMIR PETROLEUM LLC	G5515 CLIC	FLINT	48504
2	88418	FFP116393	HOMEMADE CHOCOLATES BY M	1479 BRIST	FLINT	48507
2	88434	FRE106407	SEMI-SWEETS LLC	300 E FIRS1	FLINT	48502
2	88480	FRF116408	SCOTTY DOTTY SHORTBREAD CC	300 E FIRS1	FLINT	48502
2	88578	FRF116473	PARADISE HOUSE OF LIQUOR	1520 W PA	FLINT	48504
2	88592	FRF116423	B RAJ INVESTMENT LLC	2800 CORL	FLINT	48503
2	88595	FRF116436	CHOCOLATES GALORE	300 FIRST S	FLINT	48502
2	88702	FLP116561	THE COOKIE JAR CO INC	3207 S SAG	FLINT	48503
2	88761	FLP116597	CHARMA'S GREEN CHIPS	300 E FIRS1	FLINT	48501
2	88818	FRF116695	LIQUOR PALACE OF FLINT	3302 S DOI	FLINT	48507
2	89052	FRF116793	JIMMYS SHORT STOP	1104 S ELM	FLINT	48532
2	89122	FLP116839	BROOKS TEA	2200 FORE	FLINT	48504
2	89294	FRF116967	DORT HWY GAS & MART INC	7030 DORT	FLINT	48505
2	89295	FFP116982	TENACITY BREWING	119 N GRA	FLINT	48503
2	89298	FRF116962	BP FUTURE PLUS INC	822 S DOR	FLINT	48503
2	89310	FRF117000	MICHIGAN AT THE MARKET	300 E FIRS1	FLINT	48502
2	89316	FRF117004	RITAS DOLLAR GIANT	7015 N SA(	FLINT	48505
2	89392	FRF117052	MARATHON FUTURE PLUS 1 INC	4508 FENT(	FLINT	48507
2	89443	FRF117091	AZIZ STATION INC	3416 W PIE	FLINT	48504
2	89444	FRF117092	HASAN FUEL INC	4151 W PIE	FLINT	48504
2	89571	FRF117165	BALLENGER SERVICE STATION LI	1205 N BAI	FLINT	48504
2	89585	FRF117173	PIERSON SERVICE STATION LLC	5050 W PIE	FLINT	48504
2	89664	FRF117237	SNACK DEPOT	3491 PIERS	FLINT	48504
2	90304	FRF117727	GAS MASTERS #6 INC	G 4005 CLI(	FLINT	48504
2	90384	FRF117627	Z'S LIQUOR CORNER	645 W PIEF	FLINT	48505
2	90480	FRF117632	ARELLANO AND ASSOCIATES LLC	300 E FIRS1	FLINT	48502
2	90791	FRF117800	GROUND FLOOR LLC	601 S SAGI	FLINT	48502
2	91242	FRF117974	CINNAMOM BAKERY LLC	306 E FIRS1	FLINT	48502
2	91305	FRF117979	DOLLAR GENERAL STORE #9686	5404 N GEI	FLINT	48506
2	91444	FRF118022	SHAMMA INC	G-3271S DI	FLINT	48529
2	92174	FLP118351	JF POPCORN	300 E FIRS1	FLINT	48502
2	92376	FRF118391	Z'S LIQUOR MART	3007 N FR/	FLINT	48506
2	92402	FLP118397	HAPPY GIRL GRANOLA LLC	300 E FIRS1	FLINT	48502
2	92514	FRF118609	GENESEE GARDENS	4495 CALK	FLINT	48532
2	92524	FFW118434	CHUCK GINCEL SNACKS	5147 N GEI	FLINT	48506
2	92534	FRF118499	LIQUOR PLUS PARTY STORE	2407 MAR	FLINT	48505
2	92702	FFW118550	FLINT DISTRIBUTING CO	2402 N DO	FLINT	48506

2	93001		MICHIGAN NUT COMPANY LLC	300 E 1st S	FLINT 48502
2	93004	FRF118733	DAVISON ROAD BAKERY	2420 DAVI	FLINT 48506
2	93169	FRF118815	HEALTH PLUS OF MI - MARKET C	2050 S LINI	FLINT 48532
2	93303		HOMETOWN DELIGHTS	3341 S Linc	FLINT 48507
2	8909	FRF005116	MIKE DONLANS WHOLESALE FO	3116 CORL	FLINT 48503
2	8916	FRF028600	MAXI QUALITY MEATS INC	3440 LAPEI	FLINT 48503
2	8934	FRF038004	SPEEDWAY #8748	509 S DOR	FLINT 48503
2	8952	FRE064989	TARGET STORES T629	3701 LAPEI	FLINT 48503
2	8982	FRF004550	SAVE A LOT #307	2918 FLUSI	FLINT 48504
2	8995	FRF029422	MIDWAYS SUPERMARKET	1360 DUPC	FLINT 48504
2	9017	FRF055330	SPEEDWAY #8745	G 1499 S LI	FLINT 48532
2	9024	FRF067519	PASADENA FRESH MEAT & FISH	1509 W PA	FLINT 48504
2	9078	FRF038806	HANIBALS LIQUOR STORE	G 5010 N C	FLINT 48505
2	9115	FRF004170	JULES MARKET INC	2212 LEWI	FLINT 48506
2	9122	FRF004636	KHOURIS MARKET	3239 DAVI	FLINT 48506
2	9123	FRF004733	KROGER STORE #115	3838 RICHI	FLINT 48506
2	9144	FRF049597	ADMIRAL PETROLEUM CO #31	G 4006 RIC	FLINT 48506
2	9186	FRE037361	MEIJER INC #44	2474 HILL I	FLINT 48507
2	9187	FRF003701	ALDOS ITALIAN BAKERY	G 5131 S S/	FLINT 48507
2	9193	FRF004258	DONS MARKET	510 LETA S	FLINT 48507
2	9196	FRF004417	E-Z STOP	2101 S DOI	FLINT 48507
2	9197	FRF004543	SAVE A LOT #301	5125 FENTI	FLINT 48507
2	9199	FRF004747	KROGER STORE #425	G 5186 FEN	FLINT 48507
2	9206	FRF028289	SPEEDWAY #2227	G 5550 FEN	FLINT 48507
2	9207	FRF028581	KHIRFANS BLUE COLLAR MARKE	G 3405 VAI	FLINT 48507
2	9214	FRF035907	SPEEDWAY #8749	G 2169 W I	FLINT 48507
2	9223	FRF047382	KHIRFANS SUPER K	G 2013 W I	FLINT 48507
2	9237	FRE059999	TARGET STORES INC #350	G 3515 MII	FLINT 48507
2	9243	FRF069566	HONEY BAKED HAM COMPANY	3320 MILLI	FLINT 48507
2	9248	FRF073373	SPEEDWAY #5524	G 3155 MII	FLINT 48507
2	9359	FRE061594	SAM'S CLUB #8291	G 4373 COI	FLINT 48532
2	9360	FRF069849	WAL-MART SUPERCENTER #192	4313 CORL	FLINT 48532
2	9364	FRF004548	KROGER STORE #413	G 5249 COI	FLINT 48532
2	9366	FRF004941	KROGER STORE #404	G 3288 COI	FLINT 48532
2	9368	FRF028288	SPEEDWAY #2210	G 6526 COI	FLINT 48532
2	9378	FRF072114	KAMILS MID EASTERN FOOD	3701 CORL	FLINT 48532
2	9381	FRF075223	MOBIL 1-STOP FOOD STORE #29	4107 CORL	FLINT 48532
2	18712	FRF085720	MEIJER GAS STATION #44	2474 W. HI	FLINT 48507
2	28949	FRF087876	SAVE A LOT #308	1918 N DO	FLINT 48506
2	37427	FRF089603	MONTEGOS	3021 S LINI	FLINT 48507
2	42300	FRF091562	BREAD BASKET	3001 CORL	FLINT 48503
2	44644	FRF094390	MACS FOOD FAIR	1235 N DO	FLINT 48506
2	45351	FRF093280	SEOUL ORIENTAL MARKET	2608 CORL	FLINT 48503
2	53571	FRF099294	BEECHER BEER & WINE	G 5375 N S	FLINT 48505
2	56283	FRF100461	DOWNTOWN FOOD SHOP	615 HARRI	FLINT 48502
2	58222	FRF101190	GFS MARKETPLACE LLC	2195 S LINI	FLINT 48532
2	64076	FRF104296	MR BS MARKET INC	2510 FENTI	FLINT 48507

2	65867	FRF105480	PALACE LIQUOR STORE INC	3609 BEEC	FLINT	48503
2	66487	FRF105824	LIQUOR CORNER INC	3009 N SA	FLINT	48505
2	67868	FRF106735	CHEERS MARKET	2809 W CO	FLINT	48503
2	68285	FRF107081	LANDMARK FOOD CENTER #2	4644 FENT	FLINT	48507
2	70075	FRF107625	EZ STOP FOOD MART #2	5106 N SA	FLINT	48505
2	73663	FRF109011	SMILE GREEN LLC	132 W 1ST	FLINT	48502
2	76593	FRF109941	SHELL	4310 CORL	FLINT	48532
2	77499	FRF110515	MICHIGAN FOOD MARKET	4508 VAN S	FLINT	48507
2	78024	FRF110867	LIQUOR CORNER TWO INC	1945 FENT	FLINT	48507
2	81729	FRF112892	DALE'S NATURAL FOODS INC	4290 MILL	FLINT	48507
2	84600	FRF114310	UNIVERSITY MINI MART LLC	2501 FLUS	FLINT	48504
2	85478	FRF114899	HUGH GODFREY	300 E FIRS	FLINT	48502
2	85564	FRF114940	FRESH LAKE WHITEFISH CO THE	519 S SAGI	FLINT	48502
2	85728	FRF115064	MARKET FRESH DONUTS BY POI	300 EAST 1	FLINT	48502
2	85818	FRF115098	HILLS HOME CURED CHEESE	300 E FIRS	FLINT	48502
2	86395	FRF115496	WALEED'S FISH & CHICKEN MAR	1502 W PIE	FLINT	48505
2	86778	FRF115750	BAGELS & BEANS	300 E FIRS	FLINT	48502
2	86795	FRF115765	HOFFMANS CHOP SHOP	300 E 1ST S	FLINT	48502
2	87070	FRF115920	BON APPETIT J DEANS SMOKEH	300 E FIRS	FLINT	48502
2	87222	FRF115970	GPA FOOD STORE	1633 W AT	FLINT	48507
2	87357	FRF116005	FLINT FUEL MART INC	2518 W BR	FLINT	48507
2	88055	FRF116283	UNCLE PETERS PASTIES / FLINT I	300 E FIRS	FLINT	48502
2	88435	FRF116406	LEEAYS	300 E FIRS	FLINT	48502
2	88823	FRF116637	CALKINS POINT MARKET ASF4	3458 CALK	FLINT	48532
2	88997	FRF116740	GREAT GIANT SUPERMARKET	G5204 N S/	FLINT	48505
2	91292	FRF117989	SIMS MARKET	101 E PIER	FLINT	48505
2	91731	FRF118105	CAL'S MARATHON LLC	1780 SOUT	FLINT	48503
2	91808	FRF118542	PIERSON RD MEAT MARKET	2002 W PIE	FLINT	48504
2	91937	FRF118155	FRESH CHOICE MARKET PLACE F	1916 DAVI	FLINT	48506
2	92060		LONGHORN MEAT	G-3236 Co	FLINT	48532
2	92144	FRF118254	LONG HORN MEAT	G 3236 CO	FLINT	48532
2	92808	FRF118696	C G STATION INC	G 5272 N G	FLINT	48506
2	8886	FRF034429	GRAINERY HEALTH FOODS THE	809 CHURC	FLINT	48502
2	8984	FRF004934	A & G MARKET INC	2012 W DA	FLINT	48504
2	9065	FRF015836	LANDMARK FOOD CENTER	206 W PIEF	FLINT	48505
2	9084	FRF043244	CARPENTER ROAD SUPERETTE	1066 E CAF	FLINT	48505
2	9090	FRF055320	SQUARE ONE FOOD STORE	2008 W CO	FLINT	48505
2	9126	FRF004804	DAVISON ROAD MARKET	2319 DAVI	FLINT	48506
2	9258	FRF079590	JIMYS LIQUOR	5425 S DOI	FLINT	48507
2	29199	FRF087937	HUTCHINSON FOOD & DRUG IN	6509 N SA	FLINT	48505
2	46684	FRF093194	MR B'S FOODLAND	4311 DUPC	FLINT	48505
2	53572	FRF099423	MARCUS ARMSTRONG ENTERPF	2418 DAVI	FLINT	48506
2	56369	FRF100567	SOUTH END MARKET FLINT	1701 S SAG	FLINT	48503
2	56544	FRF100664	LIQUOR WHEEL	4117 CLIO	FLINT	48504
2	68084	FRF107023	SINDBAD	5342 CORL	FLINT	48532
2	78445	FLP111180	JAR HEAD TORTILLA CHIP CO	G5065 S SA	FLINT	48507
2	84740	FRF114382	SOUTHERN PRIDE MARKET INC	2602 DAVI	FLINT	48506

2	86090	FRF115321	JAWHARI INVESTMENTS	300 E FIRST	FLINT 48502
2	86500	FRF115542	FLINT RIVER FARM LLC	300 E FIRST	FLINT 48502
2	87074	FRF115924	CHUBBY DUCK LLC	300 E FIRST	FLINT 48502
2	88773	FRF116600	FISHLAND MARKET INC	G 1186 N B	FLINT 48504
2	90196	FRF117653	FISH & CHICKEN MINI MART	4108 N SA(	FLINT 48505
2	92743	FRF118552	HINKY DINKY MARKET	3110-3112	FLINT 48505
2	93002		THE LOCAL GROCER	601 Martin	FLINT 48502

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Requirements for Licensed Food Establishments Using City of Flint Water

January 13, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

- The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test." Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 a.m. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612.
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-3939.

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. Then flush other equipment such as pop machines for at least 1-2 minutes.
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
- Use cold water and store it for immediate consumption.
- Always use cold water for drinking, cooking and cleaning/rinsing food.
- Hot water must be used for dishwashing.

Other equipment that may use city water:

- Ice machines – Install a water filter on the supply line or use bagged ice in drinking water.
- Pop machines – Flush for 1 minute daily or use bottled beverages.
- Coffee machines or Tea Urns – Flush for 1-2 minutes daily or use filtered water. These products may be very low risk as young children under 6 are not likely to consume these.
- Slush machines – Use filtered water.
- Spray misters – Flush for 1-2 minutes daily or use filtered water.

A licensed plumber can check your plumbing and service lines for lead soldering or lead service lines.

MDHHS Michigan Department of Health & Human Services

DEQ

Michigan Department of Agriculture & Rural Development

Elevated Blood Lead Levels in Children Associated With the Flint Drinking Water Crisis: A Spatial Analysis of Risk and Public Health Response

Mona Hanna-Attisha, MD, MPH, Jenny LaChance, MS, Richard Casey Sadler, PhD, and Allison Champney Schnepp, MD

Objectives. We analyzed differences in pediatric elevated blood lead level incidence before and after Flint, Michigan, introduced a more corrosive water source into an aging water system without adequate corrosion control.

Methods. We reviewed blood lead levels for children younger than 5 years before (2013) and after (2015) water source change in Greater Flint, Michigan. We assessed the percentage of elevated blood lead levels in both time periods, and identified geographical locations through spatial analysis.

Results. Incidence of elevated blood lead levels increased from 2.4% to 4.9% ($P < .05$) after water source change, and neighborhoods with the highest water lead levels experienced a 6.6% increase. No significant change was seen outside the city. Geospatial analysis identified disadvantaged neighborhoods as having the greatest elevated blood lead level increases and informed response prioritization during the now-declared public health emergency.

Conclusions. The percentage of children with elevated blood lead levels increased after water source change, particularly in socioeconomically disadvantaged neighborhoods. Water is a growing source of childhood lead exposure because of aging infrastructure. (*Am J Public Health.* Published online ahead of print December 21, 2015: e1–e8. doi:10.2105/AJPH.2015.303003)

In April 2014, the postindustrial city of Flint, Michigan, under state-appointed emergency management, changed its water supply from Detroit-supplied Lake Huron water to the Flint River as a temporary measure, awaiting a new pipeline to Lake Huron in 2016. Intended to save money, the change in source water severed a half-century relationship with the Detroit Water and Sewage Department. Shortly after the switch to Flint River water, residents voiced concerns regarding water color, taste, and odor, and various health complaints including skin rashes.[1] Bacteria, including *Escherichia coli*, were detected in the distribution system, resulting in Safe Drinking Water Act violations.[2] Additional disinfection to control bacteria spurred formation of disinfection byproducts including total trihalomethanes, resulting in Safe Drinking Water Act violations for trihalomethane levels.[2]

Water from the Detroit Water and Sewage Department had very low corrosivity for lead as indicated by low chloride, low chloride-to-sulfate mass ratio, and presence of an orthophosphate corrosion inhibitor.[3,4] By contrast, Flint River water had high chloride, high chloride-to-sulfate mass ratio, and no corrosion inhibitor.[5] Switching from Detroit's Lake Huron to Flint River water created a perfect storm for lead leaching into drinking water.[6] The aging Flint water distribution system contains a high percentage of lead pipes and lead plumbing, with estimates of lead service lines ranging from 10% to 80%.[7] Researchers from Virginia Tech University reported increases in water lead levels (WLLs),[5] but changes in blood lead levels (BLLs) were unknown.

Lead is a potent neurotoxin, and childhood lead poisoning has an impact on many developmental and biological processes, most notably intelligence, behavior, and overall life achievement.[8] With estimated societal costs in the billions,[9–11] lead poisoning has a disproportionate impact on low-income and minority children.[12] When one considers the irreversible, life-altering, costly, and disparate impact of lead exposure, primary prevention is necessary to eliminate exposure.[13]

Historically, the industrial revolution's introduction of lead into a host of products has contributed to a long-running and largely silent pediatric epidemic.[14] With lead now removed from gasoline and paint, the incidence of childhood lead poisoning has decreased.[15] However, lead contamination of drinking water may be increasing because of lead-containing water infrastructures, changes in water sources, and changes in water treatment including disinfectant.[16–18] A soluble metal, lead leaches into drinking water via lead-based plumbing or lead particles that detach from degrading plumbing components. ("Plumbing" is derived from the Latin word for lead,

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"plumbum.") Lead was restricted in plumbing material in 1986, but older homes and neighborhoods may still contain lead service lines, lead connections, lead solder, or other lead-based plumbing materials. Lead solubility and particulate release is highly variable and depends on many factors including water softness, temperature, and acidity.[19–21] The US Environmental Protection Agency (EPA) regulates lead in public water supplies under the Safe Drinking Water Act Lead and Copper Rule, which requires action when lead levels reach 15 parts per billion (ppb).

Lead in drinking water is different from lead from other sources, as it disproportionately affects developmentally vulnerable children and pregnant mothers. Children can absorb 40% to 50% of an oral dose of water-soluble lead compared with 3% to 10% for adults.[22] In a dose–response relationship for children aged 1 to 5 years, for every 1-ppb increase in water lead, blood lead increases 35%.[23] The greatest risk of lead in water may be to infants on reconstituted formula. Among infants drinking formula made from tap water at 10 ppb, about 25% would experience a BLL above the Centers for Disease Control and Prevention (CDC) elevated blood lead level (EBLL) of 5 micrograms per deciliter (μg/dL).[24] Tap water may account for more than 85% of total lead exposure among infants consuming reconstituted formula.[25] A known abortifacient, lead has also been implicated in increased fetal deaths and reduced birth weights.[26]

As recommended by the CDC and supported by the American Academy of Pediatrics, blood lead screening is routine for high-risk populations and for children insured by Medicaid at age 1 and 2 years.[27] The CDC-recommended screening ages are based on child development (increased oral–motor behavior), which places a child most at risk for house-based lead exposure (e.g., peeling paint, soil, dust). State and national blood lead–screening programs, however, do not adequately capture the risk of lead in water because infants are at greatest risk.

Armed with reports of elevated WLLs and recognizing the lifelong consequences of lead exposure, our research team sought to analyze blood lead data before (pre) and after (post) the water source switch with a geographic information system (GIS) to determine lead exposure risk and prioritize responses. This research has immediate public policy, public health, environmental, and socioeconomic implications.

This research includes Flint, Michigan, and surrounding municipalities in Genesee County (Greater Flint). Greater Flint is a postindustrial region of nearly 500 000 people struggling from years of disinvestment by the automobile industry and associated manufacturing activities: the region has lost 77% of its manufacturing employment and 41% of employment overall since 1980.[28] National and local data sources demonstrate dismal indicators for children, especially within Flint city limits.[29–32] Greater Flint ranks toward the bottom of the state in rates of childhood poverty (42% in Flint vs 16.2% in Michigan and 14.8% in the United States), unemployment, violent crime, illicit drug use, domestic violence, preterm births, infant mortality, and overall health outcomes (81st out of 82 Michigan counties).

Greater Flint's struggles have been amplified by a history of racial discrimination, whereby exclusionary housing practices were common.[33,34] Such attitudes toward integration later precipitated White flight and emboldened home-rule governance,[35,36] causing a massive decline in tax revenue for the city. The declining industrial and residential tax bases strained the city's ability to provide basic services and reversed the public health fortunes of the city and suburbs.[37] Severely reduced city population densities reduced water demand in the distribution system, exacerbating problems with lead corrosion.

METHODS

This retrospective study includes all children younger than 5 years who had a BLL processed through the Hurley Medical Center's laboratory, which runs BLLs for most Genesee County children. The pre time period (before the water source change) was January 1, 2013, to September 15, 2013, and the post time period (after the water source change) was January 1, 2015, to September 15, 2015. The primary study group comprised children living within the city of Flint (n = 1473; pre = 736; post = 737) who received water from the city water system. Children living outside the city where the water source was unchanged served as a comparison group (n = 2202; pre = 1210; post = 992).

After institutional review board approval and Health Insurance Portability and Accountability Act waiver, we drew data from the Epic electronic medical record system including BLL, medical record number, date of birth, date of blood draw, full address, sex, and race. For each child, only the highest BLL was maintained in the data set. We coded timing (pre or post) of the BLL on the basis of the date of blood draw. We calculated age at time of blood draw.

We geocoded the data set with a dual-range address locator, and manually confirmed accuracy of geocoded addresses. We conducted a series of spatial joins to assign participant records to Greater Flint municipalities and Flint wards (including those with high WLL), enabling the calculation of the number and percentage of children with EBLLs in each geographic region for both time periods. The reference value for EBLL was 5 μg/dL or greater. We identified Flint wards with high WLLs with water lead sampling maps.[38] Wards 5, 6, and 7 had the highest WLLs; in each ward, more than 25% of samples had a WLL higher than 15 ppb. We theorized that children living in this combination of wards would have the highest incidence of EBLLs (referred to as "high WLL Flint"; the remainder of Flint was referred to as "lower WLL Flint").

We derived overall neighborhood-level socioeconomic disadvantage from census block group variables intended to measure material and social deprivation. We calculated these scores from an unweighted *z* score sum of rates of lone parenthood, poverty, low educational attainment, and unemployment (adapted from Pampalon et al.[39]; used previously in Flint by Sadler et al.[40]), and assigned these to each child on the basis of home address. Positive values denote higher disadvantage, and negative values denote lower disadvantage. Table 1 highlights the overall socioeconomic disadvantage score comparison by time period and area.

We created spatial references for EBLL risk and a predictive surface for BLL by using GIS, providing the ability to see otherwise invisible spatial–temporal patterns in environmental exposure.[17] Because of the need to

TABLE 1—Demographic Comparison of the Time Periods Before (Pre) and After (Post) Water Source Change From Detroit-Supplied Lake Huron Water to the Flint River, by Area: Flint, MI, 2013 and 2015

	Outside Flint		All Flint		High WLL Flint		Lower WLL Flint	
Characteristic	Pre	Post	Pre	Post	Pre	Post	Pre	Post
Gender, %								
Male	51.6	49.5	48.6	52.9	47.6	54.4	49.1	52.3
Female	48.4	50 5	51.4	47.1	52.4	45.6	50.9	47.7
Race/ethnicity, %								
African American	24.3	24.5	69.4	70.6	74 9	78.8	67.0	66.9
Other categories	75.7	75.5	30.6	29.4	25.1	21.2	33.0	33.1
Age, y, mean	1.89	1.83	2.09	2.06	2.06	2.02	2.11	2.07
Overall socioeconomic disadvantage score	−0.83	−0.98	2.94	2.88	2.18	2.39	3.28	3.10

Note WLL = water lead level. No statistically significant differences were found in any pre–post value within any of the 4 geographical areas.

understand spatial variations and geographically target resources, we also ran ordinary Kriging with a spherical semivariogram model on the entire data set for Greater Flint, allowing interpolation of associated BLL risks with lead in water. Previous methods for evaluating spatial variation in lead levels have ranged from multivariable analyses at the individual level[41] to interpolation methods such as inverse distance weighting[42] and Kriging.[43] Given our assumption that lead risk is spatially correlated in Greater Flint because of the age and condition of pipes, interpolation methods are appropriate for building a preliminary risk surface. Both inverse distance weighting and Kriging derive such surfaces by calculating values at unmeasured locations based on weighting nearby measured values more strongly than distant values.[44] Whereas inverse distance weighting is a deterministic procedure and relies on predetermined mathematical formulae, Kriging has the added sophistication of using geostatistical models that consider spatial autocorrelation, thereby improving accuracy of prediction surfaces (ArcGIS Desktop version 10.3, Environmental Systems Research Institute, Redlands, CA). As well, Kriging can be run with relatively few input points: adequate ranges fall between 30 and 100 total points, although Kriging has been conducted with just 7.[44]

Our city of Flint sample included 736 children in the pre period and 737 children in the post period, which amounts to a density of approximately 22 points per square mile. Kriging has become an increasingly common method for measuring variations in soil lead, and is given more in-depth treatment elsewhere.[45] To examine change in proportion of children with EBLL from the pre to post time periods, we used χ^2 analysis with continuity correction for each area (outside Flint, all Flint, high WLL Flint, and lower WLL Flint). In addition, we examined differences in overall socioeconomic disadvantage scores from the pre to post time periods by using the independent *t* test. Finally, we used both χ^2 analysis with continuity correction and 1-way ANOVA to assess demographic differences by area. We used post hoc least significant difference analysis following statistically significant 1-way ANOVAs.

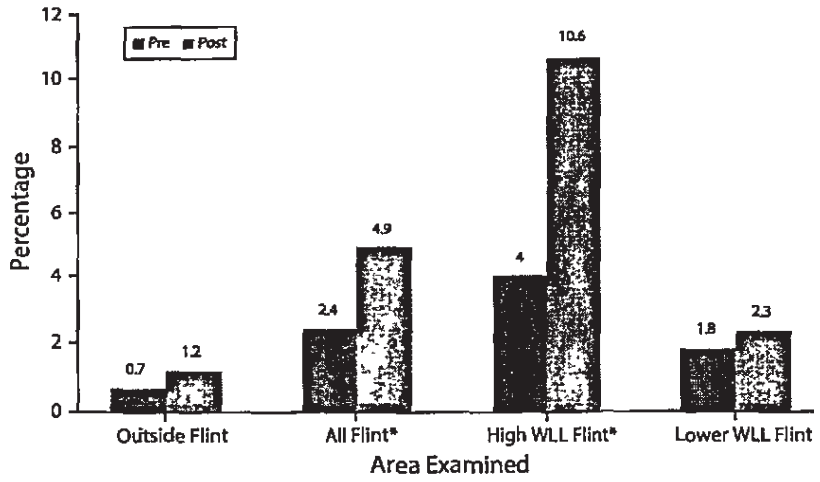
RESULTS

We uncovered a statistically significant increase in the proportion of Flint children with EBLL from the pre period to the proportion of Flint children in the post period. In the pre period, 2.4% of children in Flint had an EBLL; in the post period, 4.9% of children had an EBLL ($P < .05$). By comparison, outside of Flint water, the change in EBLL was not statistically significant (0.7% to 1.2%; $P > .05$). In high WLL Flint, EBLL increased from 4.0% to 10.6% ($P < .05$). Figure 1 shows the EBLL percentage change per area.

Results of the GIS analyses show significant clustering of EBLLs within the Flint city limits. According to ordinary Kriging, Figure 2 shows a predicted surface based on observations of actual child BLL geocoded to home address to visualize BLL variation over space (measured in µg/dL). The darkest shades of red represent the highest risk for EBLL based on existing observations. Outside Flint, the entire county falls entirely within the lowest half of the range (in shades of blue); the only locations where predicted BLL is greater than 1.75 µg/dL is within Flint city limits.

Within Figure 2, each ward is also labeled according to the percentage of water samples that exceeded 15 ppb. The areas with the highest WLLs strongly coincide with the areas with the highest predicted BLLs. In addition, the high percentage of EBLL in wards 5, 6, and 7 also correspond with the high WLLs in wards 5, 6, and 7 (the labels in Figure 2). Table 2 shows ward-specific WLLs, pre period and post period EBLL percentages, and predicted BLL and predicted change in BLL from Kriging.

Areas experiencing the highest predicted BLL in the post period (Figure 2) are generally also areas with greatest change in predicted BLL (measured in µg/dL) when compared with the pre period (Table 2; Figure A, available as a supplement to the online version of this article at http://www.ajph.org). Figure A quantifies this rate of change with a green to red scale. large increases are shown in increasingly darker shades of red, whereas large decreases are shown in increasingly darker shades of green. These once again match with city wards that experienced greater rates of EBLL percentage increase (Figure 1, Table 2). In wards 5 and 6 (which experienced a predicted 0.51 and 0.27 µg/dL increase, respectively), the EBLL percentage more than tripled. In ward 5, the EBLL percentage increased from 4.9% to 15.7% ($P < .05$). The area of intersection between wards 3, 4, and 5 (in the east side of the city) also appeared high in the Kriging analysis of Figure 2, and with a different unit of aggregation this neighborhood would also exhibit a significant increase in EBLL percentage. Ward 7 had high pre period and post period EBLL percentage levels above 5% (with a particularly high rate in the western portion of the ward). Citywide,



Note. WLL = water lead level.
*$P<.05$

FIGURE 1—Comparison of Elevated Blood Lead Level Percentage, Before (Pre) and After (Post) Water Source Change From Detroit-Supplied Lake Huron Water to the Flint River: Flint, MI, 2013 and 2015

4 wards (1, 4, 7, and 9) experienced decreases in predicted BLL, 3 wards (2, 5, and 6) experienced large increases, and 2 wards (3 and 8) remained largely the same (Figure A).

Overall, statistically significant differences exist between the areas examined (outside Flint, high WLL Flint, and lower WLL Flint) in all demographic characteristics except sex. The overall percentage of African American children is 24.4% outside Flint, compared with 76.8% in high WLL Flint and 67.0% in lower WLL Flint ($P<.001$). Children outside Flint were younger (mean = 1.86 years [SD = 1.10]) than high WLL Flint (mean = 2.04 years [SD = 1.02]) and lower WLL Flint (mean = 2.09 years [SD = 1.07]; $P<.001$). Differences in overall socioeconomic disadvantage scores are likewise significant ($P<.001$). Post hoc least significant difference analysis shows statistically significant differences for overall socioeconomic disadvantage between outside Flint and high WLL Flint ($P<.001$), between outside Flint and lower WLL Flint ($P<.001$), and between high WLL Flint and lower WLL Flint ($P<.001$).

DISCUSSION

Our findings reveal a striking increase in the percentage of Flint children with EBLL when we considered identical seasons before and after the water source switch, with no statistically significant increase in EBLL outside Flint. The spatial and statistical analyses highlight the greatest EBLL increase within certain wards of Flint, which correspond to the areas of elevated WLLs.

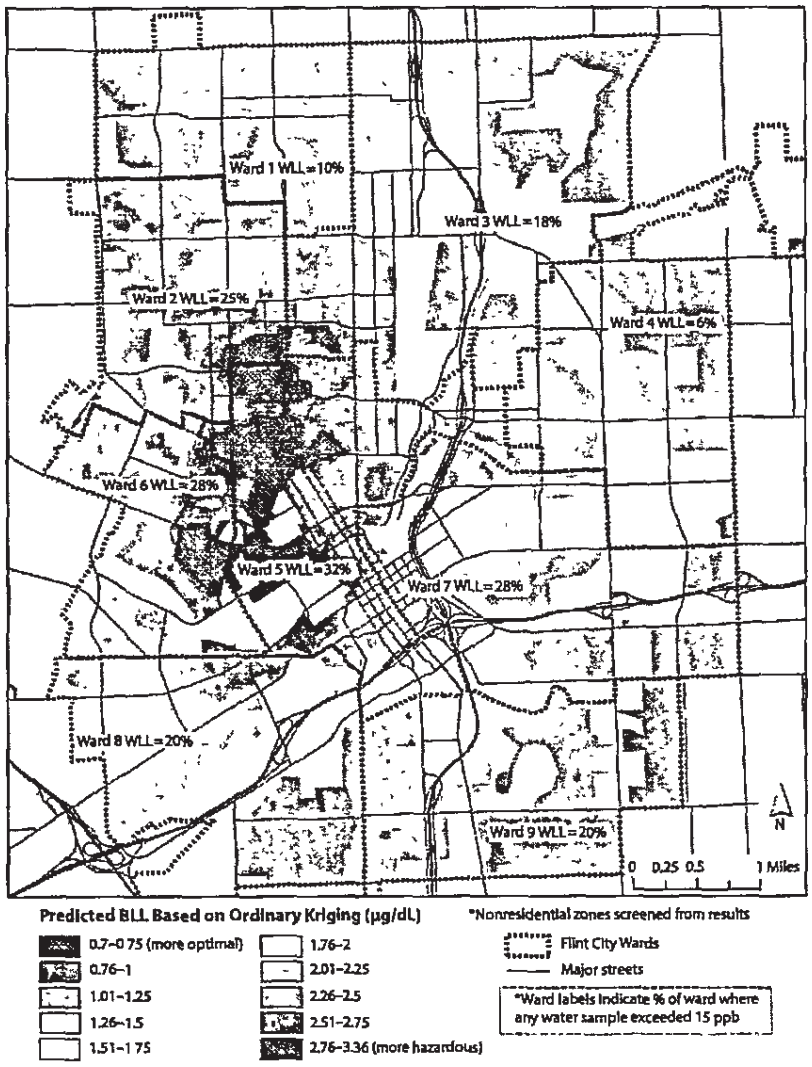
A review of alternative sources of lead exposure reveals no other potential environmental confounders during the same time period. Demolition projects by the Genesee County Land Bank Authority (Heidi Phaneuf, written communication, October 29, 2015) showed no spatial relationship to the areas of increased EBLL rates. As well, no known new lead-producing factories nor changes in indoor lead remediation programs were implemented during the study period. Although Flint has a significant automobile history, the historical location of potentially lead-using manufacturing (e.g., battery plants, paint and pigment storage, production plants) do not align with current exposures.

Because there was no known alternative source for increased lead exposure during this time period, the geospatial WLL results, the innate corrosive properties of Flint River water, and, most importantly, the lack of corrosion control, our findings strongly implicate the water source change as the probable cause for the dramatic increase in EBLL percentage.

As in many urban areas with high levels of socioeconomic disadvantage and minority populations,[46] we found a preexisting disparity in lead poisoning. In our pre water source switch data, the EBLL percentage in Flint was 2.4% compared with 0.7% outside Flint. This disparity widened with a post water source switch Flint EBLL of 4.8%, with no change in socioeconomic or demographic variables (Table 1). Flint children already suffer from risk factors that innately increase their lead exposure: poor nutrition, concentrated poverty, and older housing stock. With limited protective measures, such as low rates of breastfeeding,[47,48] and scarce resources for water alternatives, lead in water further exacerbates preexisting risk factors. Increased lead-poisoning rates have profound implications for the life course potential of an entire cohort of Flint children already rattled with toxic stress contributors (e.g., poverty, violence, unemployment, food insecurity). This is particularly troublesome in light of recent findings of the epigenetic effects of lead exposure on one's grandchildren.[49]

The Kriging analysis showed the highest predicted BLLs within the city along a wide swath north and west of downtown. This area has seen significant demographic change, an increase in poverty, and an increase in vacant properties, especially over the past 25 years (Richard Sadler, written communication, October 5, 2015). Higher BLLs were also predicted northeast of downtown and in other older neighborhoods where poverty and vacancy rates have been high for many decades. Significantly, the biggest changes in predicted BLL since 2013 were also found in these impoverished neighborhoods; more stable neighborhoods in the far north and south of the city may have experienced improved predicted BLLs because of prevention efforts taken by the more-often middle-class residents in response to the water source change. Of considerable interest is that the areas shown as having the best public health indices by Board and Dunsmore in Figure 2 of their 1948 article[37] are virtually identical to the areas with the worst lead levels today.

After our preliminary zip code–based findings (pre to post water source switch



Note. BLL = blood lead level; WLL = water lead level.

FIGURE 2—Predicted Surface of Child Blood Lead Level and Ward-Specific Elevated Water Lead Level After (Post) Water Source Change From Detroit-Supplied Lake Huron Water to the Flint River: Flint, MI, 2015

EBLL = 2.1% to 4.0%; $P < .05$) were shared at a press conference,[50] the City of Flint and the Genesee County Health Department released health advisories,[51] and the county health department subsequently declared a public health emergency.[52] Shortly after, the State of Michigan released an action plan with short- and long-term solutions focusing on additional sampling, filter distribution, and corrosion control.[53] One week later, Michigan's governor revealed WLLs in 3 schools to be in the toxic range with 1 school showing a water lead level of 101 ppb, almost 7 times the level that requires remediation.[54] A $12 million plan to reconnect to Detroit's water source was announced.[54]

We undertook our current spatial analytic approach to overcome limitations of zip code boundaries and to develop a more thorough understanding of specific areas in Flint where EBLL risk is more severe (post office addresses often do not align with municipal boundaries in Michigan, and one third of Flint mailing addresses are not in the city of Flint). This spatial analysis is valuable for understanding subneighborhood patterns in EBLL risk because aggregation by zip code or ward minimizes the richness of spatial variation and creates artificial barriers that may obscure hot spots (as in the confluence of wards 3, 4, and 5).

Such use of spatial analysis for estimating lead exposure risk has been used to target blood lead–screening programs. In our case, in addition to identifying areas of risk, spatial analysis helps guide municipal and nongovernmental relief efforts aimed at identifying vulnerable populations in specific neighborhoods for priority distribution of resources (e.g., bottled water, filters, premixed formula).

Limitations

Our research contains a few limitations. First, we may have underestimated water-based lead exposure. Our sample included all children younger than 5 years with blood lead screening, although the greatest risk from lead in water is in utero and during infancy when lead screening is not done. If lead screening were recommended at a younger age (e.g., 6 or 9 months) for children who live in homes with potential lead piping or lead service lines, more children with EBLL from water could be identified, although state and national comparison rates would be lacking. Second, lead screening is not completed for all children. It is mandated by Medicaid and CDC-recommended for other high-risk groups; such data may be skewed toward higher-risk children and thus overestimate EBLL, especially in non–high-risk areas. Third, the underserved population of Flint has significant housing instability: lead levels may reflect previous environmental exposure, and exposure often cannot be adequately estimated on the basis of current residence alone.[55]

Fourth, although large, our sample does not reflect all lead screening from Flint. We estimate that our data capture approximately 60% to 70% of the Michigan Childhood Lead Poisoning Prevention Program data for Flint. Annual data released from this program further support our findings, revealing an annual decrease in EBLL percentage from May to April 2010 to 2011 until the same period in 2013 to 2014 (4.1%,

TABLE 2—Ward-Based Comparison of Observed and Predicted Water Lead Level Percentages, Before (Pre) and After (Post) Water Source Change From Detroit-Supplied Lake Huron Water to the Flint River: Flint, MI, 2013 and 2015

Ward	WLL % > 15 ppb	Pre EBLL%	Post EBLL%	Predicted Post BLL[a]	Change in Predicted BLL From Pre to Post, µg/dL
1	10	0.0	2.8	1.4	−0.10
2	25	0.0	1.4	0.7	0.19
3	18	1.0	4.5	2.9	0.05
4	6	3.1	1.7	2.4	−0.15
5[b]	32	4.9	15.7	10.3	0.51
6[b]	28	2.2	9.3	5.5	0.27
7[b]	28	5.4	5.9	5.7	−0.26
8	20	2.7	1.4	2.0	0.01
9	20	3.4	1.6	2.5	−0.43

Note. BLL = blood lead level; EBLL = elevated blood lead level; WLL = water lead level.
[a]Ordinary Kriging geostatistical analysis.
[b]Indicates wards defined as high WLL risk in this study.

3.3%, 2.7%, 2.2%, respectively[56]; Robert L. Scott, e-mail correspondence, September 25, 2015). Following the water switch in April 2014, the 4-year declining trend (as seen nationally) reversed with an annual EBLL of 3.0%.

We found consistent results (with control for age and methodology) when we analyzed Michigan Childhood Lead Poisoning Prevention Program data for both high WLL Flint (EBLL percentage increased: 6.6% to 9.6%) and outside Flint (EBLL percentage remained virtually unchanged: 2.2% to 2.3%). Our institution-processed laboratory blood lead tests, however, had an even greater proportion of children with EBLLs versus state data in the post period. This may reflect that the BLLs processed at Hurley Medical Center, the region's only safety-net public hospital, represent a patient population most at risk with limited resources to afford tap water alternatives.

Conclusions and Future Research

Future research directions include conducting more detailed geospatial analyses of lead service-line locations with locations of elevated BLLs and WLLs; repeating identical spatial and statistical analyses in the same time period in 2016 reflecting changes associated with the health advisory and return to Lake Huron source water; analyzing feeding type (breastfed or reconstituted formula) for children with EBLLs; analyzing cord blood lead of Flint newborns compared with non-Flint newborns; and conducting water lead testing from homes of children with EBLLs.

A once celebrated cost-cutting move for an economically distressed city, the water source change has now wrought untold economic, population health, and geopolitical burdens. With unchecked lead exposure for more than 18 months, it is fortunate that the duration was not longer (as was the case in Washington, DC,'s lead-in-water issue).[16] Even so, the Flint drinking water crisis is a dramatic failure of primary prevention. The legal safeguards and regulating bodies designed to protect vulnerable populations from preventable lead exposure failed.

The Lead and Copper Rule requires water utilities to notify the state of a water source or treatment change recognizing that such changes can unintentionally have an impact on the system's corrosion control.[57] Although a review is required before implementing changes, the scope of risk assessment is not specified and is subject to misinterpretation. In response to the Flint drinking water crisis, the EPA recently released a memo reiterating and clarifying the need for states to conduct corrosion control reviews before implementing changes.[58] This recommendation is especially relevant for communities with aging infrastructures, usurped city governance, and minimal water utility capacity; in such situations, there is an increased need for state and federal expertise and oversight to support decisions that protect population health.

Through vigilant public health efforts, lead exposure has fallen dramatically over the past 30 years.[13] With the increasing recognition that no identifiable BLL is safe and without deleterious and irreversible health outcomes,[13] *Healthy People 2020* identified the elimination of EBLLs and underlying disparities in lead exposure as a goal.[59] Regrettably, our research reveals that the potentially increasing threat of lead in drinking water may dampen the significant strides in childhood lead-prevention efforts. As our aging water infrastructures continue to decay, and as communities across the nation struggle with finances and water supply sources, the situation in Flint, Michigan, may be a harbinger for future safe drinking-water challenges. Ironically, even when one is surrounded by the Great Lakes, safe drinking water is not a guarantee. AJPH

CONTRIBUTORS

M. Hanna-Attisha originated the study, developed methods, interpreted analysis, and contributed to the writing of the article. J. LaChance and R. Casey Sadler assisted with the development of the methods, analyzed results, interpreted the findings, and contributed to the writing of the article. A. Champney Schnepp assisted with the interpretation of the findings and contributed to the writing of the article.

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HUMAN PARTICIPANT PROTECTION

This study was reviewed and approved by Hurley Medical Center institutional review board.

REFERENCES

1. Associated Press. "I don't even let my dogs drink this water." *CBS News*. March 4, 2015. Available at: http://www.cbsnews.com/news/flint-michigan-break-away-detroit-water-riles-residents. Accessed October 3, 2015.

2. City of Flint 2014 Annual Water Quality Report. 2014. Available at: https://www.cityofflint.com/wp-content/uploads/CCR-2014.pdf. Accessed September 30, 2015.

3. Edwards M, Triantafyllidou S. Chloride to sulfate mass ratio and lead leaching to water. *J Am Water Works Assoc*. 2007;99(7):96–109.

4 Edwards M, McNeill LS. Effect of phosphate inhibitors on lead release from pipes. *J Am Water Works Assoc.* 2007; 94(1):79–90

5. Edwards M, Falkinham J, Pruden A. Synergistic impacts of corrosive water and interrupted corrosion control on chemical/microbiological water quality· Flint, MI. National Science Foundation Grant abstract. Available at: http://www.nsf.gov/awardsearch/showAward?AWD_ID=1556258&HistoricalAwards=false. Accessed September 10, 2005.

6. Guyette C. Scary: leaded water and one Flint family's toxic nightmare *Deadline Detroit.* July 9, 2015. Available at: http://www.deadlinedetroit.com/articles/12697/scary_leaded_water_and_one_flint_family_s_toxic_nightmare#.VfYm6eeZZJN. Accessed September 13, 2015.

7. Fonger R. Flint data on lead water lines stored on 45,000 index cards. *Mlive Media Group.* October 1, 2015. Available at: http://www.mlive com/news/flint/index.ssf/2015/10/flint_official_says_data_on_lo.html. Accessed October 4, 2015.

8. Centers for Disease Control and Prevention. Preventing lead poisoning in young children. 2005. Available at· http·//www cdc.gov/nceh/lead/publications/PrevLeadPoisoning.pdf. Accessed September 30, 2015.

9. Gould E. Childhood lead poisoning: conservative estimates of the social and economic benefits of lead hazard control. *Environ Health Perspect.* 2009,117(7). 1162–1167.

10. Landrigan PJ, Schechter CB, Lipton JM, Fahs MC, Schwartz J. Environmental pollutants and disease in American children. estimates of morbidity, mortality, and costs for lead poisoning, asthma, cancer, and developmental disabilities *Environ Health Perspect. 2002;110* (7):721–728.

11. Schwartz J. Societal benefits of reducing lead exposure. *Environ Res.* 1994,66(1) 105–124.

12. Pamuk E, Makuc D, Heck K, Reuben C, Lochner K. Socioeconomic status and health chartbook. Health, United States, 1998. Centers for Disease Control and Prevention. 1998. Available at: http·//www cdc.gov/nchs/data/hus/hus98cht pdf. Accessed October 1, 2015.

13 Low level lead exposure harms children. A renewed call for primary prevention. Report of the Advisory Committee on Childhood Lead Poisoning Prevention. Centers for Disease Control and Prevention. 2012. Available at: http //www.cdc.gov/nceh/lead/acclpp/final_document_030712 pdf. Accessed September 2015.

14. Landrigan PJ, Graef JW. Pediatric lead poisoning in 1987: the silent epidemic continues. *Pediatrics.* 1987; 79(4):582–583.

15. Shannon MW. Etiology of childhood lead poisoning. In: Pueschel SM, Linakis JG, Anderson AC, eds. *Lead Poisoning in Childhood.* Baltimore, MD: Paul H. Brookes Publishing Company; 1996:37–58.

16. Edwards M, Triantafyllidou S, Best D. Elevated blood lead in young children due to lead-contaminated drinking water: Washington, DC. *Environ Sci Technol.* 2009;43(5):1618–1623.

17. Miranda ML, Kim D, Hull AP, Paul CJ, Overstreet Galeano MA. Changes in blood lead levels associated with use of chloramines in water treatment systems. *Environ Health Perspect.* 2007;111(2):221–225.

18. Edwards M Designing sampling for targeting lead and copper: implications for exposure. Lecture presented to: the US Environmental Protection Agency National Drinking Water Advisory Group; September 18, 2014.

19. Davidson CI, Rabinowitz M Lead in the environment: from sources to human receptors. In: Needleman HL, ed. *Human Lead Exposure.* Boca Raton, FL: CRC Pres; 1991.

20. Games RH. The corrosion of lead. *J Ind Eng Chem.* 1913,5(9):766–768.

21. Raab GM, Laxen DPH, Anderson N, Davis S, Heaps M, Fulton M. The influence of pH and household plumbing on water lead concentration. *Environ Geochem Health.* 1993;15(4):191–200.

22. Toxicological profile for lead. US Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Diseases Registry. 2007. Available at: http·//www.atsdr cdc gov/toxprofiles/tp13 pdf. Accessed October 6, 2015.

23. Ngueta G, Belkacem A, Tarduf R, St-Laurent J, Levallois P. Use of a cumulative exposure index to estimate the impact of tap-water lead concentration on blood lead levels in 1-to 5-year-old children (Montreal, Canada). *Environ Health Perspect* 2015; Epub ahead of print.

24. Triantafyllidou S, Gallagher D, Edwards M. Assessing risk with increasingly stringent public health goals: the case of water lead and blood lead in children. *J Water Health.* 2014,12(1)·57–68.

25. US Environmental Protection Agency. Safe Drinking Water Act Lead and Copper Rule (LCR). *Fed Regist.* 1991;56.26460–26564.

26. Edwards M. Fetal death and reduced birth rates associated with exposure to lead-contaminated drinking water. *Environ Sci Technol. 2014;48(1):739–746.*

27. Advisory Committee on Childhood Lead Poisoning Prevention. Recommendations for blood lead screening of young children enrolled in Medicaid: targeting a group at high risk. *MMWR Recomm Rep.* 2000; 49(RR-14).1–13

28 Jacobs AJ The impacts of variations in development context on employment growth. a comparison of central cities in Michigan and Ontario, 1980–2006. *Econ Dev Q* 2009;23(4) 351–371.

29. Kids Count Data Center. A project of the Annie E Casey Foundation Available at· http //datacenter.kidscount.org/data#MI/3/0. Accessed September 26, 2015.

30. County health rankings and roadmaps: building a culture of health, county by county Available at: http://www.countyhealthrankings org/app/michigan/2015/overview. Accessed September 26, 2015.

31 Michigan MIECHV Needs Assessment FY2015 Available at: http://www.michigan.gov/documents/homevisiting/Updated_MHVI_Needs_Assessment_2014_All_counties_474015_7.pdf. Accessed October 5, 2015.

32. US Census Bureau. Quick Facts Beta. Available at: http://www.census gov/quickfacts/table/PST045214/00, 2629000,26. Accessed September 2015

33. Lewis PF. Impact of Negro migration on the electoral geography of Flint, Michigan, 1932–1962: a cartographic analysis. *Ann Assoc Am Geogr.* 1965;55(1). 1–25.

34. Taeuber KE, Taeuber AF. *Negroes in Cities. Residential Segregation and Neighborhood Change.* Chicago, IL: Aldine Publishing Company: 1969.

35. Highsmith AR. Demolition means progress: urban renewal, local politics, and state-sanctioned ghetto formation in Flint, Michigan. *J Urban Hist.* 2009;35: 348–368

36. Zimmer BG, Hawley AH. Approaches to the solution of fringe problems. preferences of residents in the Flint metropolitan area. *Public Adm Rev.* 1956;16(4): 258–268

37. Board LM, Dunsmore HJ Environmental health problems related to urban decentralization: as observed in a typical metropolitan community. *Am J Public Health Nations Health.* 1948;38(7)·986–996.

38. Martin R, Tang M. Percent lead in water by Flint ward. Flint Water Study. 2015. Available at· http://i0.wp.com/flintwaterstudy.org/wp-content/uploads/2015/09/Flint-Ward-Map_252-989x1280-2.jpg. Accessed September 26, 2015.

39. Pampalon R, Hamel D, Gamache P, Raymond G. A deprivation index for health planning in Canada. *Chronic Dis Can.* 2009,29(4).178–191.

40 Sadler RC, Gilhland JA, Arku G. Community development and the influence of new food retail sources on the price and availability of nutritious food. *J Urban Aff* 2013;35(4):471–491.

41. Hastings D, Miranda ML. Using GIS-based models to protect children from lead exposure in international series in operations research and management science. In: Johnson M, ed. *Community-Based Operations Research. Decision Modeling for Local Impact and Diverse Populations.* 1st ed. New York, NY: Springer-Verlag New York, 2012: 173–187.

42. Schwarz K, Pickett STA, Lathrop RG, Weathers KC, Pouyat RV, Cadenasso ML. The effects of the urban built environment on the spatial distribution of lead in residential soils. *Environ Pollut.* 2012;163.32–39.

43. Griffith DA, Doyle PG, Wheeler DC, Johnson DL. A tale of two swaths: urban childhood blood-lead levels across *Syracuse, New York Ann Assoc Am Geogr.* 1998,88 (4):640–665.

44. Jernigan RW. *A Primer on Kriging.* Washington, DC: US Environmental Protection Agency; *1986.*

45 Markus J, McBratney AB. A review of the contamination of soil with lead II. Spatial distribution and risk assessment of soil lead. *Environ Int.* 2001,27(5): 399–411.

46. Schulz A, Northridge ME. Social determinants of health· implications for environmental health promotion. *Health Educ Behav.* 2004,31(4)·455–471.

47. Genesee County Health Department. Re. Breastfeeding initiation challenge. 2010. Available at: http://www.gchd net/PressReleases/20100923bfeeding_challenge.asp. *Accessed October 6, 2015.*

48. Sherlock JC, Quinn MJ. Relationship between blood lead concentrations and dietary lead intake in infants: the Glasgow Duplicate Diet Study *1979–1980. Food Addit Contam.* 1986;3(2)·167–176.

49. Sen A, Heredia N, Senut M-C, et al. Multigenerational epigenetic inheritance in humans: DNA methylation changes associated with maternal exposure to lead can be transmitted to the grandchildren. *Sci Rep.* 2015,5:14466.

50. Fonger R. Elevated lead found in more Flint kids after water switch, study finds. *Mlive Media Group.* September 24, 2015. Available at: http://www.mlive.com/news/flint/index.ssf/2015/09/study_shows_twice_as_many_flin.html. Accessed November 8, 2015.

51. Fonger R. Flint makes lead advisory official, suggests water filters and flushing. *Mlive Media Group.* September 25, 2015. Available at: *http://www.mlive.com/news/flint/index.ssf/2015/09/flint_makes_lead_advisory_offi.* html. Accessed October 6, 2015.

52. Johnson J. Don't drink Flint's water, Genesee County leaders warn. *Mlive Media Group*. October 1, 2015. Available at: http://www.mlive com/news/flint/index.ssf/2015/10/genesee_county_leaders_warn_do.html. Accessed October 6, 2015.

53. Erb R, Gray K. State to tackle unsafe water in Flint with tests, filters. *Detroit Free Press*. October 2, 2015 Available at: http://www.freep.com/story/news/local/michigan/2015/10/02/state-officials-outline-plan-flint-water/73200250. Accessed October 6, 2015.

54. J Snyder announces $12 million-plan to fix Flint water. *Detroit Free Press*. October 8, 2015. Available at: http //www.freep com/story/news/local/michigan/2015/10/08/snyder-flint-water-reconnect/73567778. Accessed October 8, 2015.

55. Kestens Y, Lebel A, Chaix B, et al. Association between activity space exposure to food establishments and individual risk of overweight. *PLoS One* 2012,7(8): e41418

56. Tanner K, Kaffer N State data confirms higher blood-lead levels in Flint kids. *Detroit Free Press*. September 29, 2015 Available at: http //www.freep com/story/opinion/columnists/nancy-kaffer/2015/09/26/state-data-flint-lead/72820798. Accessed October 7, 2015.

57. US Environmental Protection Agency, Office of Water. Lead and Copper Rule 2007 short-term regulatory revisions and clarifications state implementation guidance. June 2008. Available at: http://water epa gov/lawsregs/rulesregs/sdwa/lcr/upload/New-Lead-and-Copper-Rule-LCR-2007-Short-Term-Regulatory-Revisions-and-Clarifications-State-Implementation-Guidance.pdf. Accessed October 25, 2015.

58. Grevatt PC. *Lead and Copper Rule requirements for* optimal corrosion control treatment for large drinking water systems. Memo to EPA Regional Water Division Directors, Regions I-X. November 3, 2015. Available at: http://flintwaterstudy.org/wp-content/uploads/2015/11/LCR-Requirements-for-OCCT-for-Large-DW-Systems-11-03-2015.pdf. Accessed December 8, 2015.

59. *Healthy People 2020*: topics and objectives index. Washington, DC. US Department of Health and Human Services; 2012. Available at. http://www.healthypeople.gov/2020/topicsobjectives2020 Accessed October 27, 2015.

Requirements for Licensed Food Establishments Using City of Flint Water

January 13, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

- The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test." Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 a.m. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612.
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-3939.

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. Then flush other equipment such as pop machines for at least 1-2 minutes.
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
- Use cold water and store it for immediate consumption.
- Always use cold water for drinking, cooking and cleaning/rinsing food.
- Hot water must be used for dishwashing.

Other equipment that may use city water:

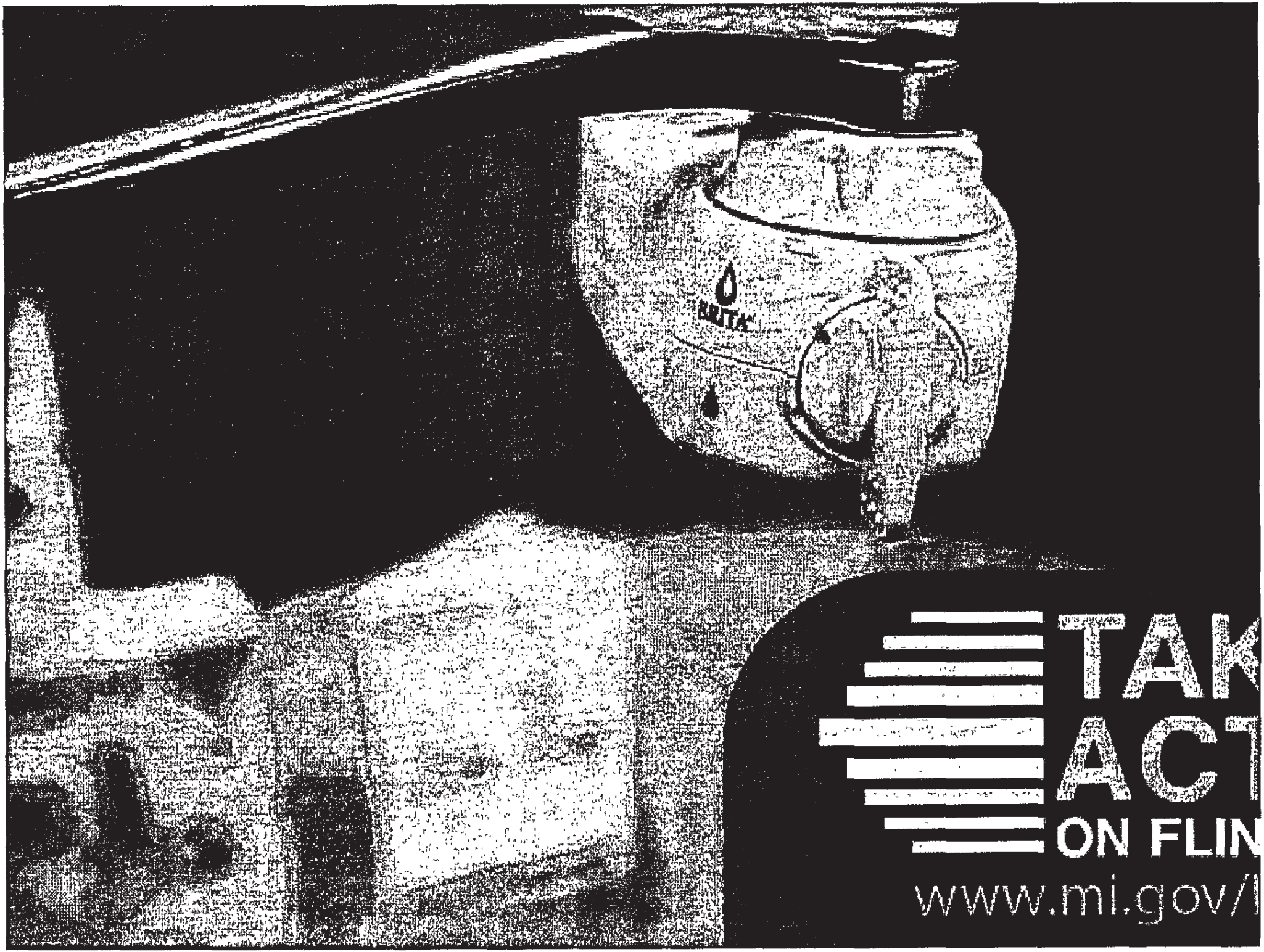
- Ice machines – Install a water filter on the supply line or use bagged ice in drinking water.
- Pop machines – Flush for 1 minute daily or use bottled beverages.
- Coffee machines or Tea Urns – Flush for 1-2 minutes daily or use filtered water. These products may be very low risk as young children under 6 are not likely to consume these.
- Slush machines – Use filtered water.
- Spray misters – Flush for 1-2 minutes daily or use filtered water.

A licensed plumber can check your plumbing and service lines for lead soldering or lead service lines.

MDHHS Michigan Department of Health & Human Services

DEQ

Michigan Department of Agriculture & Rural Development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Water Response Team: Concept of Operations and Support

Mission: Distribute filters and additional resources to all households within the impacted area

Concept of Operations and Support

1. Planning & Prioritization
    a. Plan Components
        i. Team Type: Mission, Resources (example: Vehicles, Team Members, Product)
        ii. Priority: Priority locations for distribution within the impact area
            1. Priority locations are determined based on 3 projections: lead concentration, locations of vulnerable populations, and previous distribution locations
    b. *Accountable: SEOC Recovery Branch Director*
    c. Approval: State EM Director
2. Resource Support
    a. Resource Components
        i. Vehicles
        ii. Product
        iii. Personnel
        iv. Team Support (example: lunch, rain ponchos)
    b. Accountable: SEOC Logistics Section Chief
    c. Responsible: SEOC Logistics, SEOC Warehouse, American Red Cross Volunteer Resource Center
3. Execution
    a. Water Resource Team Daily Distribution
    b. Accountable: Genesee County Sheriff Office (GCSO)/Michigan State Police (MSP)
    c. *Responsible: Water Response Team Officer In Charge (OIC), American Red Cross OIC*
4. Execution Support
    a. Team Replenishment
    b. Accountable: SEOC Logistics Section Chief
    c. Responsible: SEOC Warehouse
5. Reporting
    a. Distribution Reporting
    b. Accountable: Water Response Team OIC
    c. Responsible: All Water Response Teams

Team Typing

Type	Mission	Truck	Team Leader	Team Member	Team Transport Vehicle	Team Transport Driver	Patrol Car	iPad	Distribution Kit
Type I	500 HH	1 - 24' Box	1	10-20	1+	1+	1-2	1-2	500
Type II	400 HH	1 - 18' Box	1	8-16	1+	1+	1-2	1-2	400
Type III	300 HH	1 16' Box	1	6-9	1+	1+	1-2	1-2	300
Type IV	200 HH	1 14' Box	1	4-8	1+	1+	1-2	1-2	200
Type V	100 HH	1 ARC ERV*	1	3-6	1+	1+	0	1-2	85**

* American Red Cross Emergency Response Vehicle

**Replenishment required to achieve mission*

Distribution Kit per Household

Door Hanger	1
Water, case	1
Filter*	1
Test Kit	1
Replacement Filters	1

*If filter doesn't fit then distribute

Pitcher*	1

Query results for in-state plants that have active (expiring 4/30/2016) licenses for bottled water
Date Created: 1/11/2016 by Thomas Benner (bennert9@michigan.gov)

License_Type	Full_Name	Addr_Line_1
15005	ARBOR FARMS MARKET	2103 W. STADIUM BLVD.
15005	ARBOR SPRINGS WATER CO INC	1440 PLYMOUTH ROAD
15005	BESCO WATER TREATMENT INC	20400 CAPITAL AVENUE NE
15005	PRAIRIE FARMS DAIRY INC	126 BRADY RD
15005	QUALITY ALKALINE WATER LLC	P.O. BOX 1763
15005	NORTHERN SPRINGS LLC	3730 N US 23
15005	PURIFIED WATER TO GO	53 E 14 MILE ROAD
15005	XANADU BOTTLED WATER CO. LLC	53 E 14 MILE RD
15005	PURE WATER STATION LLC	34306 HARPER AVENUE
15005	PURIFIED WATER TO GO #1004	1223 N. COMMERCE ROAD
15005	CRYSTAL FALLS SPRINGS, INC.	346 ROCK CRUSHER ROAD
15005	COCA COLA REFRESHMENTS USA INC	5981 WEST WARREN AVENUE
15005	PBG MICHIGAN LLC	1555 MACK AVENUE
15005	THE WATER STATION (DBA)	18710 WOODARD AVE
15005	ZOE AND HEALTH LLC	18920 LITTLEFIELD
15005	CHAMPION WATER TREATMENT	8300 DEXTER CHELSEA RD
15005	CHARTER TOWNSHIP OF EAST CHINA	5111 POINTE DRIVE
15005	JAWS JUMBO BURGERS	29216 ORCHARD LAKE RD
15005	ARBOR SPRINGS WTR CO OF DETROIT INC	950 ORCHARD
15005	SPRING MOUNTAIN WATER CO., INC.	425 S. DORT HWY.
15005	COUNTRY FRESH INC	2555 BUCHANAN AVE SW
15005	KAAT'S WATER CONDITIONING, INC.	3470 THREE MILE RD NW
15005	AQUA FINE INC	1120 S WASHINGTON AVE
15005	AQUA-FINE, INC.	1120 S. WASHINGTON AVENUE
15005	BOXED WATER IS BETTER LLC	135 MANUFACTURERS DRIVE
15005	MEIJER DISTRIBUTION INC	234 CHARLES DRIVE
15005	TRI COUNTY WATER CONDITIONING	2701 WILDWOOD AVENUE
15005	CANNEY'S WATER CONDITIONING INC	3712 MILLER RD
15005	GORDON WATER SYSTEMS	618 E. CROSSTOWN PARKWAY
15005	QUALITY DAIRY COMPANY	1414 S WASHINGTON AVE
15005	FIRST QUALITY WATER AND BEVERAGE LLC	599 SOUTH HIGHLAND STREET
15005	PURIFIED WATER DELIVERY SERVICE	51815 MILANO DRIVE
15005	WINGERTS INC	315 E MAIN ST
15005	MILL BROOK WATER CO	8225 11 MILE RD
15005	ELCO WATER DISTRIBUTING CO	3101 S SAGINAW RD
15005	RK WATER STORES LLC	1639 E BROOMFIELD RD STE G
15005	NORWAY SPRINGS, INC.	1001 STEPHENSON STREET
15005	GOTTA HAVE WATER LLC	22175 COOLIDGE
15005	ABSOPURE WATER COMPANY	8835 GENERAL DR
15005	PURE NATURALS LLC	67315 MAIN STREET
15005	AVITA ARTESIAN WATER LLC	2445 W GODFREY RD
15005	FULLER LIFE WATER CO	4936 DELEMERE AVE
15005	SHAY WATER CO., INC.	320 W. BRISTOL ST.
15005	AMERICAN AQUA INC	723 W. MICHIGAN AVENUE

15005	CRYSTAL PURE WATER INC	1211 MICHIGAN
15005	NESTLE WATERS NORTH AMERICA, INC.	19275 EIGHT MILE ROAD
15005	PURIFIED WATER TO GO #1001	13426 15 MILE
15005	AQUA ADVANTAGE	1465 AXTELL RD SUITE D
15005	ARCTICLEAR	752 64TH STREET

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Addr_City	Addr	Addr_Zip	Addr_email	Addr_phone
ANN ARBOR	MI	48103		7349968111
ANN ARBOR	MI	48105		7346688270
BATTLE CREEK	MI	49017		2699640257
BATTLE CREEK	MI	49015	TWUTHRICH@PRAIRIEFARMS.COM	269-441-6455
BELLEVILLE	MI	48112		313-341-1966
BLACK RIVER	MI	48721	NORTHERNSPRINGSARTESIAN@YAHOO.COM	(989) 335-5307
CLAWSON	MI	48017		
CLAWSON	MI	48017	xanadubottledwater@yahoo.com	248-881-5440
CLINTON TWP	MI	48035		586-415-1498
COMMERCE TOWNSHIP	MI	48382		
CRYSTAL FALLS	MI	49920		906-875-3191
DETROIT	MI	48210	5981 WEST WARREN AVENUE	3138975160
DETROIT	MI	48207		313-832-0910
DETROIT	MI	48203		3133662344
DETROIT	MI	48235	CDMYREE1@ATT..NET	3134163349
DEXTER	MI	48130	TIM@CRIBLEY.COM	734-726-4720
EAST CHINA	MI	48054	DLOPE8@PEOPLEPC.COM	810-765-4647
FARMINGTON HILLS	MI	48334	jawsburger@jawsjumboburger.net	(248) 855-2228
FERNDALE	MI	48220		2485437150
FLINT	MI	48503		810-767-3825
GRAND RAPIDS	MI	49548		6162430173
GRAND RAPIDS	MI	49534		6167917150
HOLLAND	MI	49423		616-392-7843
HOLLAND	MI	49423		6163927843
HOLLAND	MI	49424	chris.radford@boxedwaterisbetter.com	616-710-1560
HOLLAND	MI	49424	CARL.KOHLHOFF@MEIJER.COM	(616) 494-1963
JACKSON	MI	49202		
KALAMAZOO	MI	49001		
KALAMAZOO	MI	49001		(269) 382-0068
LANSING	MI	48910		5173194100
LOCK HAVEN	MI	17745	CTRITHART@FIRSTQUALITY.COM	570-769-6900
MACOMB TWP	MI	48042		586-992-9000
MAYVILLE	MI	48744		9898436141
MECOSTA	MI	49332		
MIDLAND	MI	48640		9894962523
MT PLEASANT	MI	48858	SPL1997@WOWWAY.COM	989-317-3353
NORWAY	MI	49870		
OAK PARK	MI	48237		248-885-7720
PLYMOUTH	MI	48170		313-455-3600
RICHMOND	MI	48062	JIM@PURENATURALSWATER.COM	586-430-1726
ROSCOMMON	MI	48653	cmoore@momentouseenterprises.com	989-275-1100
ROYAL OAK	MI	48073		800-224-6116
SAGINAW	MI	48602		989-755-3221
SALINE	MI	48176		734-429-5070

ST LOUIS	MI	48880	517-681-3547
STANWOOD	MI	49346	2318238354
STERLING HEIGHTS	MI	48312	
TROY	MI	48084	248-288-3733
ZEELAND	MI	49464	616-688-5040

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Flint Water Response Team Plan for Monday, 01.18.16_V2.0_FINAL

Changes are highlighted in red

Key

WRT	Water Response Team
OIC	*Officer In Charge*
ARC	American Red Cross
OGCS	Office of Genesee County Sheriff
HH	Household
LEOC	Local Emergency Operations Center

Key Leaders

WRT OIC	Lt. Pat Young	5
ARC OIC	Robert Gaskill-Clemons	4:
Warehouse	Shawn Scott-Fitzgerald	5

Plan

Agency	Team Types	Mission	Priority Distribution Areas
OGCS/MSP	12 Type III	3600 HH	Refer to 20160116_Team_Assignment_Areas_Update.jpg
ARC	12 Type V	1200 HH	Refer to 20160116_Team_Assignment_Areas_Update.jpg

Resource Status

Team Type & Quantity	**Type: Type III Quantity:** 12				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	12	12		1/17/16	1752
16ft box truck	12	12		1/17/16	1752
Truck Driver	12	12	OGCS/MSP will provide	1/17/16	1922
Team Member	72-144	139		1/17/16	1752
Team Transport Vehicle for 6-9 Team Members	12	12	MDOC	1/17/16	1922
Team Transport Driver	12	12	MDOC	1/17/16	1922

Patrol Car	12-24	30		1/17/16	1923
iPads	10-20	20		1/17/16	1752
Hand Warmers	144	382	Delivery Monday prior to start	1/17/16	1752
Vests	200	200	Delivery Monday prior to start	1/17/16	1933
Distribution Kit	3600	3600		1/17/16	1926

Team Type & Quantity	**Type:** Type V **Quantity:** 12				
Resource	**Required**	**Confirmed**	**Notes**	**Date**	**Time**
Team Leader	12	12		1/17/16	2000
ARC ERV	10	10		1/17/16	2000
ARC ERV Driver	10	10		1/17/16	2000
16ft box truck	2	2	ARC responsible for pickup	1/17/16	2000
Truck Driver	2	2	ARC Provided	1/17/16	2000
Team Member	30-60	60		1/17/16	2000
Team Transport Vehicle for 2-4 Team Members	10	10		1/17/16	2000
Team Transport Vehicle Driver	10	10		1/17/16	2000
Patrol Car	0	0		1/17/16	2000
iPads	10-20	10		1/17/16	2000
Hand Warmers	60	382	Delivery Monday prior to start	1/17/16	1752
Distribution Kit	1200	1200		1/17/16	2000

Execution:

Key Locations

Team	Assembly Area	Hours of Operation
OGCS/MSP	LEOC Genesee County Administration Building 1101 Beach St, Flint	0830-1600
ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600

Warehouse	4315 North Clio Road, Flint	0700-1900

Critical Task: Assemble, coordinate, and monitor WRTs

OGCS/MSP Process:

1. Assign team leaders, team members, and routes to teams
2. Team Member check in
3. Conduct pre-deployment briefing to include team mission assignments, concept of operations, deployment locations, replenishment process, reporting process, and safety briefings (refer to OGCS_MSP WRT Volunteer Assembly Information V2.0_011816 for detailed information on volunteer processing at LEOC)
5. Provide training to new team members
6. Issue vest and badge to team members
7. Execute morning distribution assignment
8. *Lunch served between* 1230-1330
9. WRT OIC and Team Leaders midday brief
10. Execute afternoon distribution assignment
11. Conduct post-deployment debrief with team leaders and members
12. Collect vest and badge from team members

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
GCSO/MSP	100 Distribution Kits Remaining	Distribution Route: exact location determined by Team Leader	1. Contact warehouse to request replenishment truck 2. Coordinate replenishment location with warehouse 3. Exchange replenishment truck with empty truck
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix

Lunch

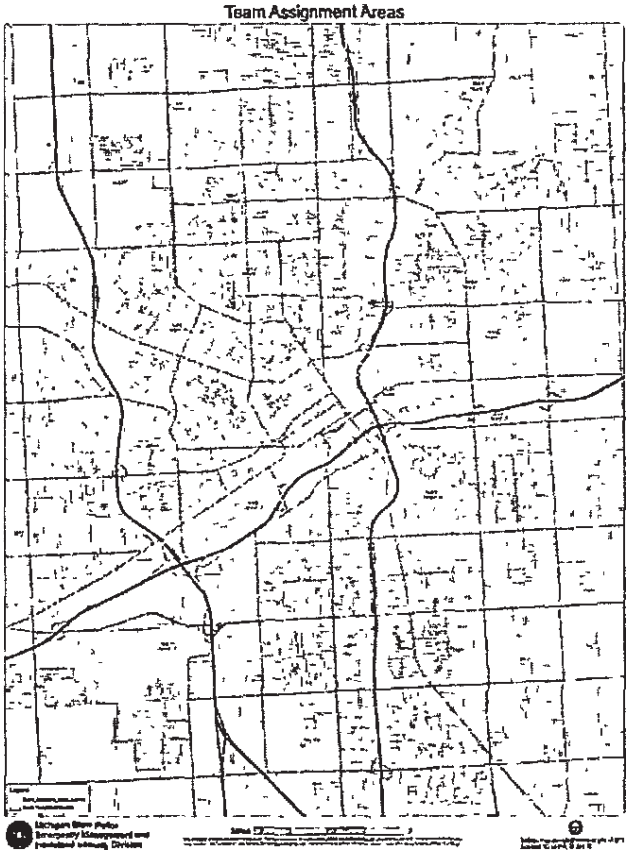
OGCS/MSP WRTs lunches will be provided by the ARC and coordinated by LEOC Logistics.

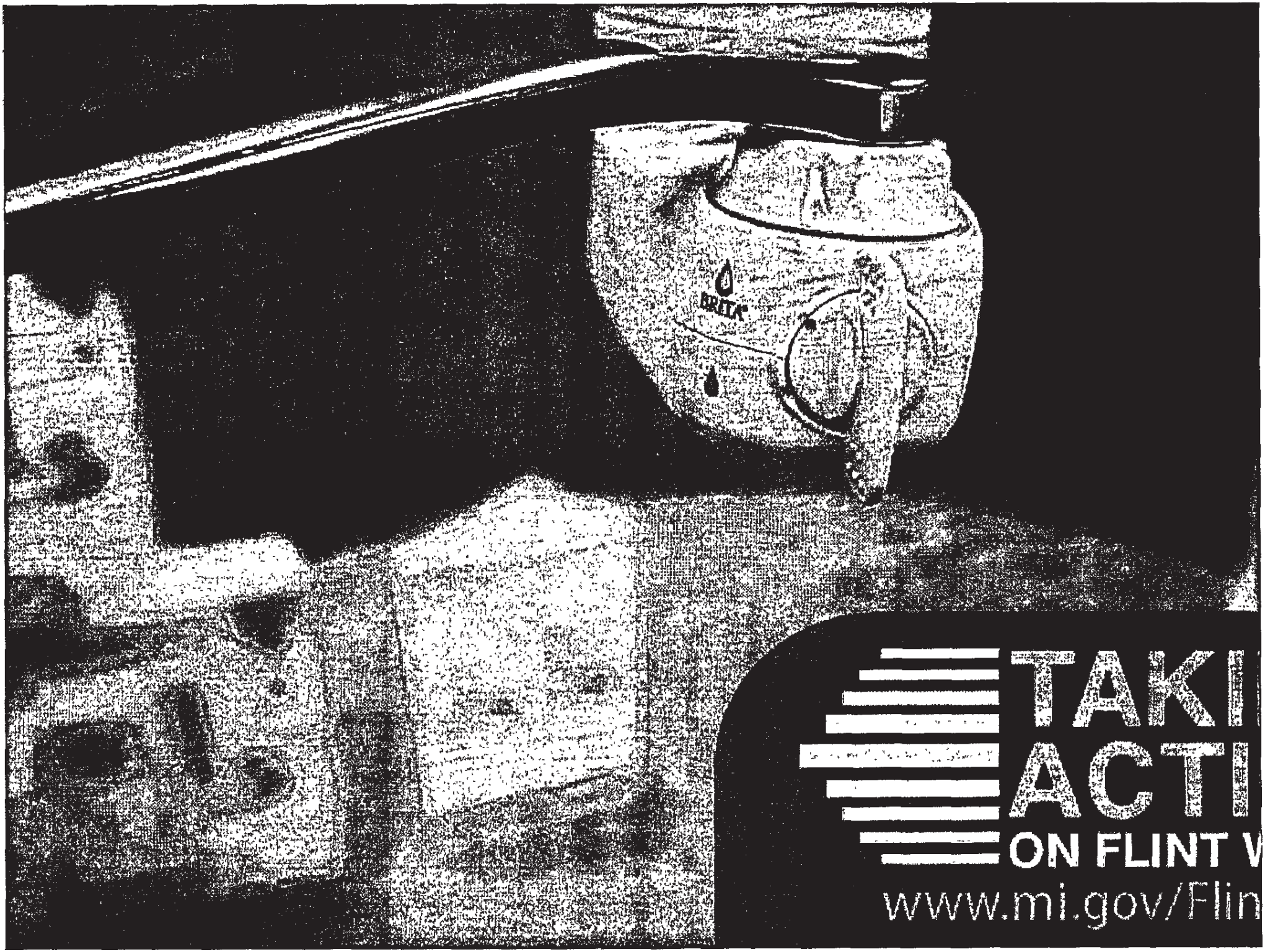
Reporting:

Tactics:

1. All WRTs will utilize ipads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if ipads fail.

Priority Distribution Areas

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OGCS/MSP WRT Volunteer Assembly Information V2.0_011816

1. Volunteer check in at 8:30am at 1101 Beach Street, Flint, MI 48502 (Genesee County Administration Building).
2. Volunteers are able to park at the overflow lot of First Trinity Missionary Baptist Church located at 1226 Beach Street Flint, MI 48502. This lot is located directly to the east of the church. The parking structure to the east of 1101 Beach Street can also be used for parking. Parking tickets will be validated. Access to the parking structure can be gained on Eighth Street just east of Beach Street. Access to the building can be gained from the southeast and southwest doors on each side of the building. Upon entering the building proceed to the basement for sign in.
3. Assignments and briefing will follow between 8:30am and 9:15am. Efforts will be made to keep groups together if requested. Volunteers should inform their team leaders of any medical, security or other needs.
4. Teams will deploy to assigned areas. Volunteers should be able to walk long distances with difficult terrain. Transportation will be provided to and from the assignment location.
5. Teams will return to 1101 Beach Street for lunch from 12:30pm-1:00pm. Lunch will be provided.
6. Teams will redeploy to the field with afternoon assignments.
7. Shifts will end between 4:30pm and 5:00pm with a return to 1101 Beach Street. All items assigned to volunteers must be returned to their team leader at the end of the day. This includes high visibility vest, tablets/IPADS, stylus, lanyards, carrying bags and paperwork.
8. Appropriate clothing should be worn for the projected weather of the day. Boots, hats and gloves are strongly encouraged.

Non-Stafford Act Recovery Guide

Developing and Coordinating Resources

FEMA

Region V

FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.

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Introduction

Purpose of the Guide

This guide provides a framework or strategy for government and non-government disaster recovery stakeholders at all levels to assess, plan for, and support the recovery of communities following events that do not rise to the level of or receive a Stafford Act declaration (herein referred to as "non-Stafford Act events"). To support this overall objective, this guide focuses on achieving three major goals:

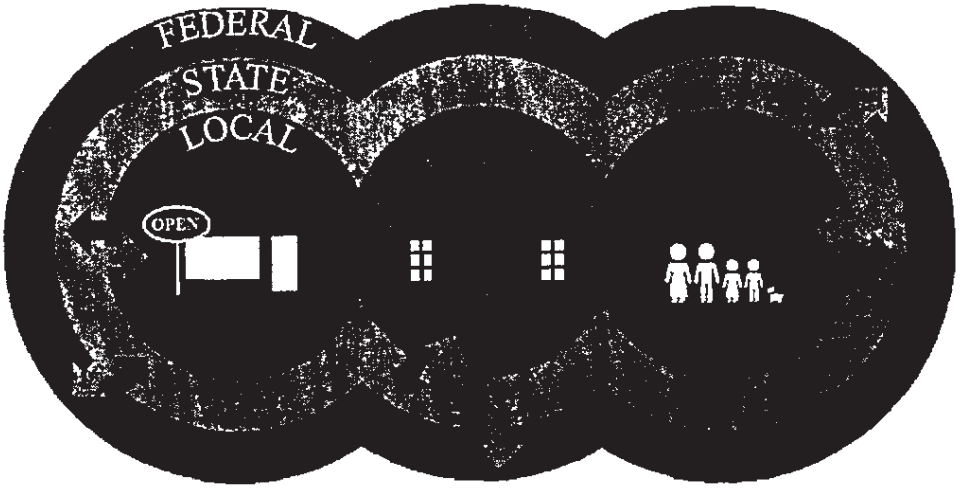
1. Emphasize the importance of local, State, and Tribal governments in assessing and addressing the needs of affected communities following non-Stafford Act disasters
2. Encourage the development of engaged partnerships between emergency management and non-emergency management stakeholders
3. Provide a framework that supports unified recovery-focused coordination between local, Tribal, State, and Federal agencies, non-governmental organizations, and the private sector

These objectives are intended to provide recovery stakeholders the means to identify and coordinate the resources necessary to support sustainable recovery solutions at the State, Tribal, and local level utilizing the principles of the National Disaster Recovery Framework (NDRF).

For the purposes of this document, non-Stafford Act events are defined as events that have recovery requirements exceeding the capability of individuals and the local community, but do not exceed the capabilities of the State.

Background

Subsequent to a Stafford Act declaration, the State and Federal government coordinate available resources to assist individuals and communities recover from the disaster. Although resources made available through specific Stafford Act authorities would not be provided in a non-Stafford Act event, many resources are available to States, Tribes, and local governments that can be used to support the recovery of the whole community.



The impact of concentrated damage can be overwhelming, even to well-resourced or resilient communities. Often times systems are disrupted, need exceeds individual resources, regular service providers are overwhelmed, and networks necessary to address disaster related needs do not exist. With capabilities exceeded, outside resources and expertise may be required to support the local community.

State agencies may have programs or grants that can generally be *re-prioritized* to meet identified recovery needs and goals. Federal presence, if warranted, is typically limited to technical assistance following non-Stafford Act events; however, a limited number of Federal agencies like the Small Business Administration (SBA) and the United States Department of Agriculture (USDA) do maintain programs or authorities that can directly support the needs of impacted communities outside Stafford Act declaration.

Principles and Concepts of the National Disaster Recovery Framework

The resources and needs of impacted States, Tribes, and communities may differ following a non-Stafford Act event; however, the nine core principles and the key concepts set forth in the NDRF can be equally applied to any event and any jurisdiction to holistically support recovery. For more information visit the National Disaster Recovery Framework website at www.fema.gov/national-disaster-recovery-framework .

Core Principles:

- Individual and family empowerment
- Leadership and local primacy
- Pre-disaster recovery planning
- Partnerships and inclusiveness
- Public information
- Unity of effort
- Timeliness and flexibility
- Resilience and sustainability
- Psychological and emotional recovery

Key Concepts:

Structure
The NDRF provides a scalable structure for organizing recovery operations around the needs of the community through the six identified Recovery Support Functions (RSFs);

- Community Planning and Capacity Building
- Economic
- Health and Social Services
- Housing
- Infrastructure
- Natural and Cultural Resources

These sector-specific functions can be developed at any level of government to facilitate problem solving and foster coordination among recovery stakeholders.

Planning
Recovery planning is set forth in the NDRF as a critical activity that should begin prior to an event and extend through all phases of the emergency management cycle. Successful recovery planning requires active engagement with and between all levels government, nongovernmental organizations, the private sector, and the community itself in order to increase post-disaster collaboration and unified decision-making.

Leadership
The NDRF outlines leadership positions at the local, State, and Tribal levels through Local Disaster Recovery Managers, State Disaster Recovery Coordinators, and Tribal Disaster Recovery Coordinators. Individuals in these positions are intended to serve as the primary point of contact for recovery for their jurisdiction, and are responsible for organizing, coordinating, and advancing recovery in all phases of the emergency management cycle.

Following a non-Stafford Act event, the State may also request the support of a Federal Disaster Recovery Coordinator or recovery advisor/liaison to provide technical assistance. When deployed or engaged, these representatives support the State by providing relevant subject matter expertise, and facilitating enhanced coordination between Federal agencies and State recovery leadership.

When combined with the full involvement of all stakeholders and realistic and well-communicated expectations, the concepts and principles outlined in the NDRF can be used as building blocks to develop resiliency and support a successful recovery following a non-Stafford Act event.

General Recovery Needs

Understanding the needs of a community is critical to the development of appropriate structures, plans, and partnerships to support recovery. Specific needs will vary by event and community, and need to be assessed holistically following an event. Categorizing needs prior to an event may be helpful in identifying recovery partners and programs. Examples may include:

Individual needs

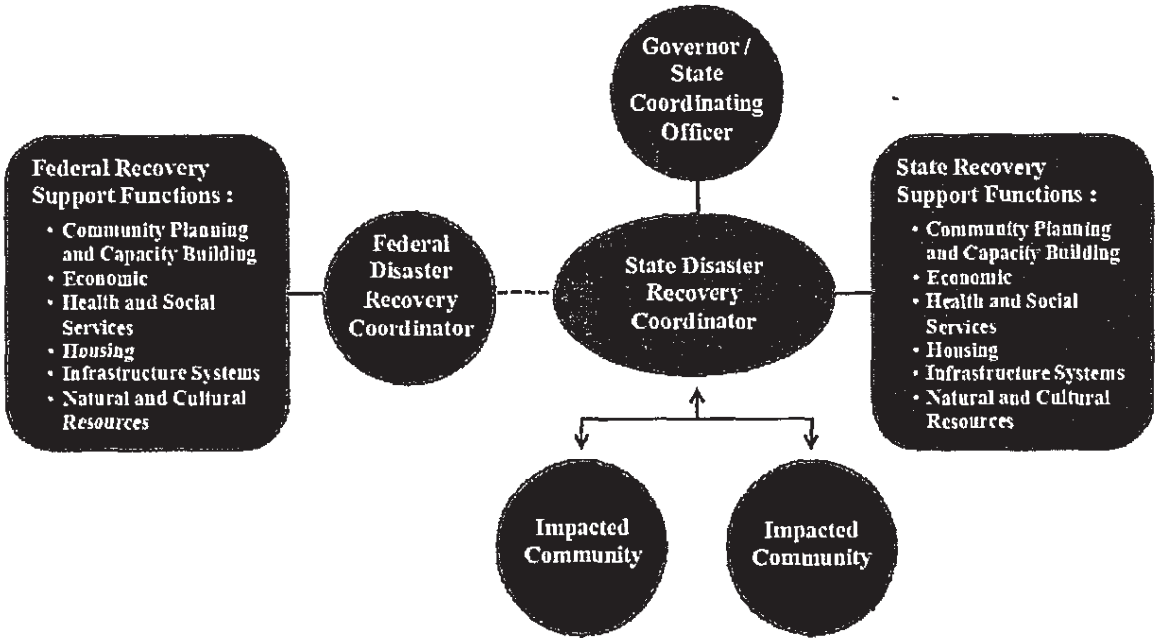
- Temporary housing (rental assistance or other temporary housing)
- Home repair/rebuild assistance (real property and mechanicals)
- Medical, dental, funeral assistance (including the replacement of damaged durable medical equipment)
- Personal property (clothing, household items, furniture, appliances) replacement assistance
- Transportation or vehicle replacement assistance
- Replacement of job related tools and specialized/protective clothing
- Moving and storage assistance
- Legal assistance
- Insurance claims assistance
- Mental health needs
- Employment related assistance
- Food replacement
- Agricultural support for farmers and ranchers
- Assistance to mitigate against the effects of future events

Government needs

- Recovery planning support
- Debris removal cost recoupment
- Legal and contract support
- Economic/Business stabilization support
- Reimbursement for emergency protective measures taken in the response phase
- Assistance to support repairs to roads, bridges, and other infrastructure
- Assistance to support necessary repairs to water and utility networks
- Assistance for damaged public buildings
- Support for public healthcare facilities
- Assistance for damaged equipment
- Insurance claims assistance
- Support to ensure environmental and historic considerations are taken throughout recovery
- Assistance to mitigate against the effects of future events

Non-Stafford Act Recovery Support Structure

The NDRF can provide a structure to support unified coordination between all governmental and non-governmental recovery stakeholders following non-Stafford Act events. While it is expected that the State and affected community will work together to scale this structure according to specific recovery needs, the structure defined in the NDRF may be helpful in defining and aligning the roles of local and State governmental and non-governmental recovery stakeholders.



The recovery structure defined in the NDRF centers around multi-agency coordination facilitated by the Disaster Recovery Coordinators/Manager and the RSF Coordinating Agencies. Multi-agency coordination is a process that allows all levels of government and all disciplines to work together more efficiently and effectively. Multi-agency coordination is a National Incident Management System (NIMS) compliant method of providing coordination to multidisciplinary, policy-level decision makers brought together to support incident level operations. This organizational concept is particularly relevant at the State and Federal levels where organizational leadership is brought together to identify resources to support needs in the impacted jurisdiction.

Local Non-Stafford Act Recovery Support Structure

Successful recovery coordination efforts stem from well-planned, well-coordinated and inclusive local recovery efforts. The local recovery support structure is made up of operational elements brought together to establish and prioritize recovery goals, develop community focused recovery plans, ensure clear and consistent public messaging, and support resource coordination.

Overall leadership for the local recovery coordination group is provided by the Local Disaster Recovery Manager (LDRM), identified by local emergency management or by the office of the senior elected official. This facilitative role centers on coordinating operational elements to meet recovery goals.

Local recovery Coordinating agencies/organizations are designated based on relevant authorities, roles, resources or capabilities. These agencies can support the LDRM and the overall recovery effort by ensuring coordination and providing resources and subject matter expertise in their given functional area.

Potential local leadership and Coordinating agencies may include:

Leadership

City/County office of Emergency Management or the office of senior elected leadership

Coordinating Agencies/Organizations

City/County Department of Commerce or Planning and Development Commission
City/County Department of Public Works and Engineering
City/ County Department of Health or Department of Human Services
City/County Department of Emergency Management
Local Housing Authority
City/County Parks Department

The local recovery structure must also coordinate with keystone partners from local faith and community based organizations, the private sector, educational institutions, and regular service providers that support children, elders, people with disabilities, and people with other functional and access needs. These community leaders provide essential support on an every-day-basis. Understanding the roles of these individuals and organizations allows local recovery leadership to identify needs and leverage resources more effectively.

Appreciating the actual capabilities and needs of a community is essential to supporting and enabling local actions.

Many non-governmental organizations have disaster programs which play a pivotal role in supporting the recovery of impacted individuals and communities. These organizations coordinate through local, State, and national coalitions known as Voluntary Organizations Active in Disaster (VOAD). VOAD member agencies can support a variety of needs including:

- Individual and community needs assessments
- Case management training and support
- Construction (repair/rebuild) support and coordination
- Long Term Recovery Group (LTRG) formation support
- Debris removal from private property
- Grant assistance
- Resource identification and fundraising support
- Disaster mental health or emotional and spiritual care
- Youth focused resiliency programs
- Support for faith leaders in impacted areas
- Coordination of spontaneous volunteers
- Donations management support
- Information and referral support

More information on Voluntary Organizations Active in Disaster can be found at http://www.NVOAD.org

State/Tribal Non-Stafford Act Recovery Support Structure

The State/Tribal recovery support structure is designed to augment recovery resources. This often requires the re-prioritization of resources so the intent and priorities of senior elected leadership must be made clear at the outset. Individual State/Tribal agencies may contribute operational elements to support local recovery operations; however, State/Tribal-level recovery coordination is conducted by policy-level decision makers with the authority to commit resources on behalf of their agency.

Leadership for the State/Tribal recovery coordination group is provided by the State/Tribal Disaster Recovery Coordinator (SDRC or TDRC), identified by State/Tribal emergency management, the office of the Governor, or Tribal leadership. The person in this role is responsible for facilitating coordination with and between State/Tribal agencies and the impacted jurisdictions(s).

State RSF Coordinating agencies are designated based on relevant authorities, roles, resources or capabilities and can support the SDRC/TDRC and the overall recovery effort by ensuring coordination with and between the impacted communities and State agencies working within their functional area(s) (RSF).

Potential State leadership and Coordinating agencies may include:

Leadership

State Emergency Management or the Governor's Office

Coordinating Agencies

State Department of Commerce or Economic Opportunity
State Department of Transportation
State Department of Health and Human Services
State Emergency Management Agency
State Department of Housing
State Department of Natural Resources

Additional State agencies and organizations may be identified as supporting agencies when their specific capabilities, resources, or programs can be used to support impacted communities. When scaling the State/Tribal recovery structure, recovery leadership must consider the actual needs of impacted communities and the mechanisms necessary to coordinate the broad range of support available through regular State programs and non-governmental organization partners.

Federal Non-Stafford Act Recovery Support Structure

The Federal recovery support structure following non-Stafford Act events does not change from that outlined in the NDRF. This structure is scalable and it may not be necessary for staff to be physically present in the state to provide support. Additional information on the Federal recovery support structure can be found in the NDRF.

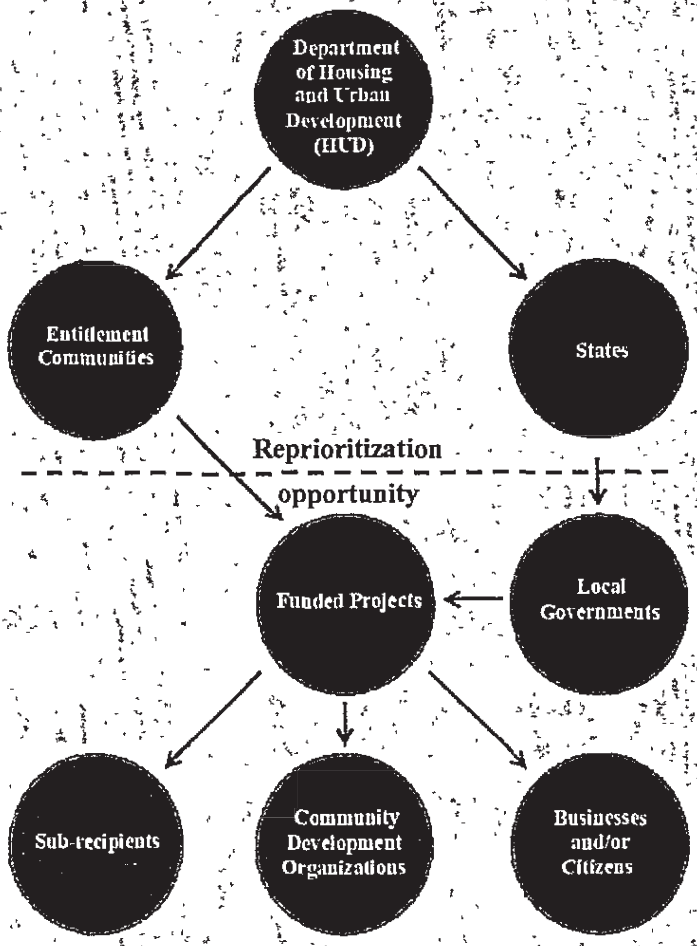
The following list of Federal agencies represents some of the resources and technical assistance that may be available to support impacted jurisdictions, States/Territories, and Tribes following non-Stafford events:

Department of Commerce
Department of Defense, U.S. Army Corps of Engineers
Department of Health and Human Services
Department of Homeland Security, Federal Emergency Management Agency
Department of Housing and Urban Development
Department of the Interior
United States Department of Agriculture

State recovery leadership and State Recovery Support Function leads are encouraged to coordinate with Federal agencies through regional or field offices as appropriate, to discuss authorities relevant to disaster recovery and better understand how non-disaster programs already being administered may have relevance following an event. More information on Federal recovery programs can be found on the National Disaster Recovery Program Database and at DisasterAssistance.gov

Non-Stafford Act Programs in Action:

Department of Housing and Urban Development Community Development Block Grants (CDBG)



This flow chart outlines how CDBG funding is allocated to benefit programs and communities. Funds flow from the U.S. Department of Housing and Urban Development to major urban areas (Entitlement Communities) and States. These funds are then allocated to approved projects or communities according to priorities or State formulas.

Following a disaster, States and Entitlement Communities can shift funding priorities (at dotted line), for unused funds, and approve projects that support individual and community recovery needs. All approved projects must meet certain criteria and address specific program goals; however, CDBG funds are flexible and can be used to meet a variety of needs.

Governmental, Non-Profit, and Private-Sector Coordination

Integrating and coordinating with governmental, non-governmental and private-sector associations and their member agencies/organizations can be key to successfully addressing the needs of impacted communities. These partners may include sector-specific associations with missions directly or indirectly related to emergency management. Associations can support planning, coordination, and the development of agreements/understandings that support and leverage the capacity of member agencies. Additionally, associations can develop or improve overarching recovery coordination processes that independent organizations may not have the capacity to develop on their own.

GOVERNMENTAL ASSOCIATIONS

Governmental Associations provide coordination between agencies of all types and are engaged at the national, regional, State, and local levels. These organizations can provide additional coordination, lessons learned, and programmatic/subject matter support via peer-to-peer networks of government entities (mutual aid). Engagement with government associations can encourage resiliency through the development, promotion, and coordination of tools and best practices. Examples of government associations include:

- Council of State Community Development Agencies
- Emergency management associations (such as the National Emergency Management Association, the International Association of Emergency Managers, and local, county, and State associations of emergency managers)
- City/County Manager Associations
- National Association of Regional Councils
- National League of Cities
- State and national associations of county or municipal governments
- State and national associations of health departments (such as National Association of County and City Health Officials)
- State and national public works associations (such as the American Public Works Association)
- Tribal Associations

EXAMPLE:

International Association of Emergency Managers

The International Association of Emergency Managers (IAEM) serves to advance the profession by promoting the principles of emergency management; to serve members by providing information, networking and professional development opportunities; and to advance the emergency management profession.

Learn more at www.IAEM.com

NON-PROFIT AGENCIES, ORGANIZATIONS

Non-profit agencies, organizations, and associations can play a critical role following non-Stafford Act events. These key partners provide outside resources, and training that can help local non-profit, faith-based, and community-based organizations to maximize the support they provide in an affected community. This support is generally coordinated through member organizations and provided via peer-to-peer networks similar to mutual aid. Non-profit associations can be helpful to State and local governments working to expand their capacity by supporting the identification of member

organizations and helping to explain the resources and missions of their members and provide introductions. Examples of nonprofit associations include:

- Academic Associations
- American Planning Association (APA)
- State and national offices of civic organizations (such as Lions Club International, Kiwanis International, and Rotary Clubs)
- Disability service and advocacy organizations (such as the State Protection and Advocacy Agency, and the local Centers for Independent Living)
- Faith-based associations
- Foundation Associations (such as the Council on Foundations and the Association of Small Foundations
- Disaster Long Term Recovery Groups (LTRG)
- State and National Non-profit Associations
- Non-profit legal associations (such as the American Bar Association, the Legal Services Corporation, and the National Legal Defender Association)
- Trade unions
- Voluntary Organizations Active in Disaster (such as National VOAD and State VOAD)
- Community Organizations Active in Disaster (COAD)
- State and National offices of youth councils and organizations (such as the Boys and Girls clubs, Future Farmers of America, 4H clubs, and the Boy Scouts and Girl Scouts of America)

EXAMPLE:

The Extension Disaster Education Network (EDEN)

EDEN links Extension educators from across the U.S. and various disciplines, enabling them to use and share resources to reduce the impact of disasters.

Learn more at eden.lsu.edu

THE PRIVATE SECTOR

By actively engaging private sector partners *prior* to an event, and working to establish mutually-supportive relationships, recovery leadership can better take into account the needs and resources of the whole community and support successful recovery.

By working to establish public-private partnerships, recovery leadership can develop relationships with key stakeholders who have insight into economic and community needs as well as access to potential resources. While well-developed mutually supportive relationships with individual business partners is a goal, private sector associations and trade groups can help to provide recovery leadership with more information on the *resources and needs of their membership* and facilitate introductions to key stakeholders. Examples of private-sector associations include:

- Business Associations
- Professional Associations
- Local, State, and National Chambers of Commerce

EXAMPLE:

The Business Civic Leadership Center (BCLC)

BCLC helps businesses communicate and collaborate with each other and with the nonprofit and government sectors to make disaster relief, recovery, and reconstruction activities more effective.

Learn more at bclc.uschamber.com/program/dis

Pre-Event Recovery Coordination and Non-Stafford Act Capacity Development

Pre-disaster recovery planning, coordination and capacity development is set forth in the NDRF as key to the successful recovery of communities affected by disaster. This is particularly true of non-Stafford Act events, where a premium is placed on coordination in order to maximize the impact of available resources. By identifying recovery leadership, defining roles, engaging with partners, expanding partnerships, planning, training, and exercising prior to an event, States can develop the resources and structure necessary to support impacted communities following any event.

Resource and Guidance Development

- Identify recovery leadership at all levels of government and define positions, authorities, roles, and responsibilities.
    - Determine how the State/Tribal/local Disaster Recovery Coordinator or equivalent will be identified, and what the specific authorities, roles, and responsibilities of the position will be.
    - Identify State/Tribal/local Recovery Support Function Coordinating agencies and define the authorities, roles, and responsibilities of these positions.
    - Develop guidance to support local jurisdictions in identifying and developing recovery leadership.
- Identify traditional and non-traditional State, Tribal, and Federal non-Stafford Act programs that can be used to support the needs of impacted communities.
    - Promote agency-specific policy development by all identified recovery stakeholders.
    - Promote the development and maintenance of State/Tribal and local recovery resource lists that outline the potential assistance available from state and or local agencies and recovery partners.
- Support the development of non-Stafford Act recovery coordination plans as part of each jurisdictions broader recovery plan.
    - Promote the inclusion of all governmental, non-governmental, and private sector stakeholders in the development and maintenance of recovery plans and partnerships.
    - Plan for the needs of individuals with disabilities and others with access and functional needs, children and seniors as a fundamental aspect of the recovery plan rather than as a supplement, annex, or separate plan.
- Promote the development of engaged recovery-focused partnerships at all levels and between all sectors of government, non-governmental organizations and the private sector.
    - Develop recovery-focused memorandums of understanding (MOU) or memorandums of agreement (MOA) between state agencies and agencies with identified recovery roles.
    - Develop recovery-focused mutual aid and Emergency Management Assistance Compact (EMAC) agreements with other States, Tribes, or local jurisdictions as appropriate.

- Promote the development of local, State, and National non-governmental organization consortiums (such as State/National VOADs, COADs, Inter-faith Councils, Disability related advocacy groups, and Private Sector networks).
- Work with government agencies to encourage collaboration between local, State and Tribal governments.

Pre-Disaster Coordination

- Promote non-Stafford Act support forums for idea and information sharing between recovery stakeholders at all levels.
  - Gather and disseminate lessons learned and best practices from other non-Stafford Act recovery operations to Federal, Tribal, State, local, non-governmental, and private sector partners.
- Organize State agencies with identified recovery roles according to RSFs or state recovery structure.
  - Promote the development of recovery taskforces according to identified RSFs
  - Support the identification and coordination of agency functions, roles, and capacity to support non-Stafford Act disasters.
- Insure that non-governmental organization partners are fully integrated into State, Tribal, and local coordination and capacity building initiatives.

Post-Event Recovery Coordination

Defining, coordinating and addressing the needs of an impacted community following a non-Stafford Act event requires active coordination and planning between all levels of government and with all sectors of society. This section outline steps that States, Tribes, and local communities can take to conduct a more accurate needs assessments, develop appropriate goals, and enhance multi-agency coordination.

Community Impact Assessment

- Ensure coordination with departments/organizations active in the response phase to discuss the current situation, activity to date, major areas of concern, and the transition to recovery. (i.e. share damage assessment numbers and identified community impacts, share known locations of displaced/evacuated residents)
- Conduct comprehensive damage and impact assessment to identify potential community needs and strategic recovery challenges across the 6 Recovery Support Function areas. Examples may include:
    - Convene a multidisciplinary impact assessment team to ensure that assessments are as efficient and comprehensive as possible. The team should be composed of governmental, non-governmental, and private sector stakeholders representing all identified RSFs.
    - Coordinate with existing community information and referral networks (2-1-1, 3-1-1, etc.) to support the identification of community needs.
    - Insure that assessments provide a base line need in each of the identified functional areas (i.e. Total number of damaged homes, number of homes with failed structural elements, and the number of destroyed homes).
    - Provide State/Tribal and Federal technical/subject-matter/policy support as appropriate to support local needs assessments.
- Coordinate local and State/Tribal governmental and non-governmental agencies/organizations to identify existing individual and community resources that can be used to support recovery – including insurance, continuity of business plans/support, locally administered programs, and donated/volunteer resources.
- Seek out the input of elected leadership, governmental agency/office leadership, faith leaders, faith and community based organization leadership, key private sector stakeholders, and individuals from the impacted community in order to identify community structures and priorities.
- Provide State and Federal technical/subject-matter support as appropriate to support local assessments.

Non-Stafford Act Planning and Recovery Strategy Development

- Develop State and local recovery strategies that support the needs, plans, and goals of impacted communities.
    - Engage local leadership and RSF taskforce stakeholders to support the development of local recovery strategies.
    - Involve the impacted community (public) during the development of the recovery strategy – considerations should be taken to include non-English speaking populations, people with limited resources, and people with access and functional needs.
    - Insure that recovery strategies take into account the specific needs of seniors, people with disabilities, and people with limited resources.
    - Insure that case management and other coordinative elements are incorporated into each community's recovery strategy in order to maximize impact and avoid overlap or gaps in service.
    - Request or provide State/Tribal/ Federal technical, subject-matter, and policy support as appropriate to support the development of local recovery strategies.
    - Develop a State recovery strategy to ensure the unified coordination of State/Tribal and Federal agencies supporting impacted jurisdictions.
- Support the development of local Business Recovery Plans for individual impacted businesses
- Support the development of Individual Recovery Plans for impacted survivors
    - Ensure that case management is available to assist impacted survivors to identify and coordinate resources necessary to support the holistic sustainable recovery solutions.
- Support ongoing recovery planning at the State and local level to align available resources with identified goals, priorities, and progress.
    - Promote local leadership in recovery planning.
    - Involve all recovery stakeholders in recovery planning initiatives. Include local and State/Tribal governmental agencies, non-governmental organizations, and local service providers.
    - Ensure that all recovery plans are in line with the goals and strategies of the impacted community.
    - Provide a mechanism for continued State and Federal technical assistance support as appropriate.
    - Ensure that State recovery planning is scaled to meet the coordination needs of supporting state agencies and takes into account the evolving needs of affected jurisdictions.
    - Promote public feedback opportunities to insure that recovery strategies and priorities continue to be in line with the needs of the community –considerations should be taken to include non-English speaking populations, people with limited resources, and people with access and functional needs.

Non-Stafford Act Coordination and Support

- Ensure that recovery leadership at the local, State and Tribal levels is adequate to support the recovery needs, strategies, and plans of impacted communities.
    - Assess the need to identify or assign a Local Disaster Recovery Manager (LDRM).
    - Assess the need to identify/assign, and deploy a State/Tribal Disaster Recovery Coordinator (SDRC/TDRC).
    - Assess the need for Federal technical assistance.
- Promote the development of Recovery Support Functions and recovery focused multi-agency coordination groups at the local, State, and Tribal levels as appropriate.
    - Implement RSF task forces as appropriate
    - Promote the broad inclusion of current and potential recovery partners – to include non-governmental organizations and the private-sector to ensure that technical support and programmatic resources are known, available, and coordinated.
    - Promote coordination between counterpart local, state, and national non-governmental and private-sector partners to maximize an understanding of available support and ensure coordination.
    - Promote the development of Long Term Recovery Groups (LTRG) and the use of case management to coordinate long-term unmet needs assistance to disaster survivors.
    - Identify the need for Federal RSF support to local and State/Tribal recovery functions.
- Ensure that the appropriate technical assistance is available from the State and through mutual aid networks to support local recovery assessment, planning, and program administration.
    - Coordinate and/or deploy technical assistance teams, made up of identified State/Tribal recovery partners, to support local communities in the assessment of disaster impacts and the development of local recovery strategies.
    - Identify the potential for peer-to-peer/mutual aid assistance to support local recovery coordination and planning efforts.
    - Ensure the development of an interface between local, State/Tribal, and Federal agencies to streamline policy discussions and promote an understanding of the processes and requirements associated with requesting and administering supplemental assistance.
    - Assess the need for Federal technical or programmatic advisors to support State/Tribal and local recovery efforts.
- Ensure that all non-Stafford Act programmatic assistance (financial and in-kind) is available to and coordinated with local recovery leadership.
    - Ensure that supplemental support is in alignment with identified local goals, strategies, and plans to maximize impact, identify gaps, and avoid duplication.
    - Identify additional State/Tribal and local programs that can be used, reprioritized, or altered to support the needs of affected communities identified in the assessment process.
    - Assess the need for and, if needed, request additional non-Stafford Act assistance from the State/Tribe or other Federal agencies.

Appendix 1: Case Study – State of Illinois, 2012 Spring Tornadoes

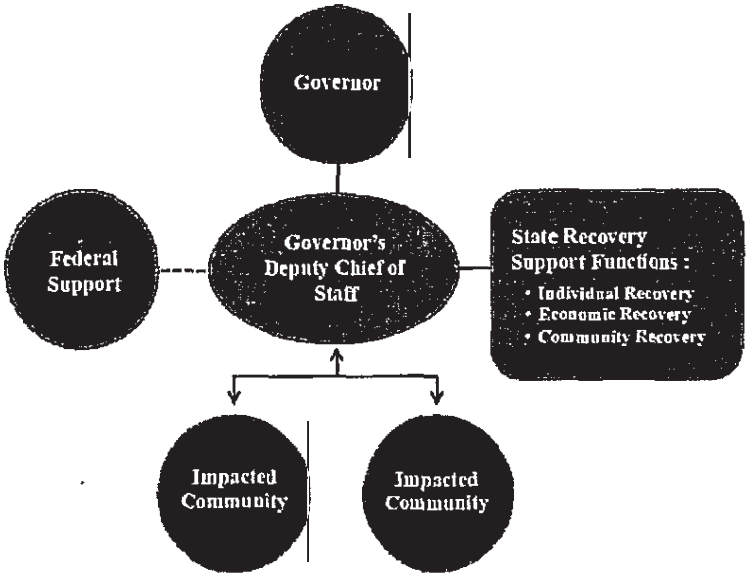
Overview:

In the early hours of February 29, severe storms and tornadoes tore through Gallatin, Massac, Saline, Union, and Williamson counties of Illinois. Around 5a.m. an EF4 tornado touched down in the City of Harrisburg in Saline County, and an EF3 tornado touched down in the Village of Ridgway in Gallatin County. The State estimated that 440 homes were impacted by the event, of which 176 were destroyed or suffered major damage. Eight people in Harrisburg lost their lives as a result of the tornado, making this the deadliest Illinois disaster in nearly a decade.

Subsequent to the determination that the event did not exceed the capabilities of the State of Illinois, FEMA Region V deployed two specialists to provide technical assistance in support of State efforts to identify and coordinate recovery assistance around the needs and goals of the impacted communities.

Strategy:

On March 25, 2012 the Governor's office held a meeting with twenty-three State agencies to outline the intent of leadership and begin coordinating state recovery support. Three Recovery Support Functions (RSFs) were outlined according to the goals of the state and the impacted communities, and leadership was assigned.



State RSFs and assigned State agency leads:

- Individual Recovery – Illinois Emergency Management Agency
- Economic Recovery – Illinois Department of Commerce and Economic Opportunity
- Community Recovery – Illinois Department of Commerce and Economic Opportunity

Over the ensuing week, RSF leads coordinated with local, State, Federal, and non-governmental partners to conduct comprehensive needs assessments in the impacted area and identify sources of non-Stafford Act assistance.

On April 2, 2012 the Governor's office issued a press release announcing $13 million in State assistance available to support recovery needs in the impacted communities. This package, made up of reprioritized existing State and Federal programs and block-grants, addressed needs in all three identified State RSFs.

Following the announcement, State agency representatives met in the affected communities to outline programmatic requirements, coordinate assistance, and support the development of a unified local recovery plan.

Key Elements and Lessons Learned:

Local needs assessments and recovery goals are critical to the identification and coordination of potential recovery support. Recovery efforts share many similarities; however, the impact of a disaster on a community is ultimately complex and unique. By conducting holistic community recovery assessments and engaging with the public, recovery leadership will be better equipped to set appropriate recovery goals, establish structures, and inform outside partners of needs. The State can support this effort by offering/providing technical expertise from state agencies, or helping to coordinate mutual aid support from experienced jurisdictions outside of the impacted area.

Senior leadership must clearly state recovery goals and priorities. Since support available to impacted communities following non-Stafford Act events is primarily accomplished through re-prioritizing existing funds, programs, and personnel, senior elected leadership must make clear the intent to redirect these funds to support impacted communities to agency level decision makers at the outset.

An understanding of how currently available programs can support the recovery of impacted communities is essential following non-Stafford Act events. Many of the resources available to support the recovery of impacted jurisdictions following non-Stafford Act events are available through existing programs. Understanding how block-grants and other programs/resources may apply to the recovery of affected citizens and the community is essential when considering potential resources.

A scalable, flexible, and adaptable support structure is crucial. Location-based, or in person, support from State and Federal recovery partners is not always warranted. Coordination requirements for current and potential support should be considered to ensure that the structures established are appropriately scaled.

Supporting recovery requires more than programmatic resources. Technical assistance is often key to successfully supporting recovery operations. The establishment of State subject-matter expert strike teams to support local assessments, planning, and resource identification should be considered as a best-practice.

Coordinating Partners:

Federal

Leadership

United States Department of Homeland Security - Federal Emergency Management Agency (FEMA)

Coordinating Agencies

United States Department of Agriculture – Rural Development
United States Department of Agriculture – Food and Nutrition Services
United States Department of Health and Human Services
United States Department of Housing and Urban Development
United States Small Business Administration

Primary/Supporting Agencies

United States Department of Commerce
United States Department of Veterans Affairs
National Voluntary Organizations Active in Disaster

State

Leadership

Illinois Governor's Office
Illinois Emergency Management Agency

Coordinating Agencies

Illinois Department of Commerce and Economic Opportunity
Illinois Department of Human Services
Illinois Department of Insurance
Illinois Department of Public Health
Illinois Department of Transportation
Illinois Finance Authority
Illinois Housing Development Authority

Primary/Supporting Agencies

Illinois Department of Agriculture
Illinois Capital Development Board
Illinois Central Management Services
Illinois Community College Board
Illinois Department of Aging
Illinois Department of Employment Security
Illinois Department of Natural Resources
Illinois Department of Veterans Affairs
Illinois Environmental Protection Agency
Illinois Financial and Professional Regulation
Illinois Fire Marshall
Illinois Governor's Office of Management and Budget
Illinois Insurance Commission
Illinois Serve and Learn Commission
Illinois Voluntary Organizations Active in Disaster

Supporting State Agencies	Function / Assistance Provided	Associated Federal Agency	Associated Federal Program
Illinois Governor's Office	• Overall direction for State support to the affected Counties	N/A	
Illinois Emergency Management Agency	• Coordinative Responsibility • Technical Assistance to local Emergency Management • Technical Support to other State Agencies	United States Department of Homeland Security - Federal Emergency Management Agency (FEMA)	• Technical Assistance
Illinois Department of Human Services	• Supplemental Nutrition Assistance Program - benefit replacement.	United States Department of Agriculture – Food and Nutrition Services	• Supplemental Nutrition Assistance Program
Illinois Department of Commerce and Economic Opportunity	• Community Development Assistance Program (CDAP) • Wages for dislocated workers to participate in disaster cleanup and structured work-based learning • $1 million from the Energy Efficiency Trust to fund energy efficiency incentives	United States Department of Housing and Urban Development	• Community Development Block Grant Program
		United States Department of Labor	• Workforce Investment Act, National Emergency Grant program
		N/A	
Illinois Department of Insurance	• Technical support to impacted homeowners	N/A	
N/A		United States Small Business Administration	• Disaster Loan Program

Supporting State Agencies	Function / Assistance Provided	Associated Federal Agency	Associated Federal Program
Illinois Department of Public Health	• Technical Assistance to local health department and impacted medical facilities	United States Department of Health and Human Services	• Technical assistance
Illinois Department of Transportation	• Disaster related municipal road repairs / improvements in affected jurisdictions	N/A	
Illinois Finance Authority	• Business loans	United States Department of Agriculture – Rural Development	• Rural Business Loan Program
Illinois Housing Development Authority	• Forgivable non-payment loans	United States Department of Housing and Urban Development	• HOME Program – Single Family Owner Occupied Rehabilitation (SFOOR) Program
Illinois VOAD (non-governmental organization)	• Technical assistance	National VOAD (non-governmental organization)	• Technical assistance • Long Term Recovery Group training • Case Management Training
Ameren Illinois (Private Sector)	• ActOnEnergy® program • Warm Neighbors Cool Friends Home Repair Program	N/A	

OFFICE OF GOVERNOR PAT QUINN **NEWS**

FOR IMMEDIATE RELEASE:
Monday, April 2, 2012

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Governor Quinn Announces Up to $13 Million in New Relief for Southern Illinois Communities

Governor Secures State, Federal Resources to Help Southern Illinois Families, Businesses, and Local Governments Recover from Tornado

HARRISBURG – April 2, 2012. At the direction of Governor Pat Quinn, the heads of a number of state agencies today announced in Harrisburg up to $13 million of financial aid and construction projects to help families, businesses and local governments recover from the deadly tornado that ravaged several Southern Illinois communities on Feb. 29. The package put together at the Governor's instruction includes reimbursements to local governments for some of their disaster-related expenses, road improvements, grants to help homeowners repair or rebuild damaged homes, and low-interest business loans to create jobs and help businesses recover.

"This assistance package offers real solutions for the long-term recovery effort in Harrisburg and other communities," Governor Quinn said. "Recovery from this tornado won't happen overnight, but these resources will help residents and businesses of hard hit areas in Southern Illinois begin to rebuild their lives."

Following FEMA's denial of assistance for people affected by the tornado on March 10 and denial of an appeal on March 21, Governor Quinn moved quickly to secure support for people and businesses through the U.S. Small Business Administration (SBA). That request was approved the following day, and the SBA began meeting with people interested in the low-interest, long-term loans on March 23.

"In the weeks since the severe storms and tornadoes hit Southern Illinois in February and early March, I have met with representatives from federal, state, and local emergency management agencies to discuss the ongoing recovery efforts in Harrisburg, Ridgway and surrounding areas," said U.S. Senator Dick Durbin (D-IL). "I will continue to work with Governor Quinn and the Illinois Congressional Delegation to seek further opportunities for federal assistance to help these communities rebuild."

In addition to the SBA loans, the state's multi-agency relief package includes:

- **Assistance from Illinois Department of Commerce and Economic Opportunity (DCEO) –** Up to $5 million from the Community Development Assistance Program (CDAP) will pay for public infrastructure improvements, housing rehabilitation and reconstruction efforts. In partnership with Ameren Illinois, another $1 million from the Energy Efficiency Trust will fund energy efficiency incentives through Ameren's Act on Energy program to benefit customers affected by the disaster. Additionally, DCEO will make as much as $750,000 in Workforce Investment Act grants available to cover wages for dislocated workers to participate in disaster

OFFICE OF GOVERNOR PAT QUINN **NEWS**

cleanup and structured work-based learning.

- **Assistance from Illinois Finance Authority (IFA)** - Up to $2 million in U.S. Department of Agriculture-Rural Development (USDA-RD) business loans will be available through IFA under a relending in Gallatin, Saline and Williamson counties. Loans from a minimum of $50,000 up to a maximum of $250,000 may be used for the purchase of land, construction or renovation of an industrial or commercial building or purchase of machinery and equipment. The IFA will partner with local banks to market the program to local businesses hurt by the recent storms and tornadoes.

- *Assistance from Illinois Department of Transportation (IDOT) – Twenty-one municipal road* improvements in Harrisburg will be completed at an estimated cost of $1.58 million.

- **Assistance from Illinois Emergency Management Agency (IEMA)** – Reimbursements up to $1.5 million to affected local governments for some of their disaster-related expenses will be made through the state's Disaster Response and Recovery Fund, which supports emergency response and recovery efforts.

- **Assistance from Illinois Housing Development Authority (IHDA)** – IHDA will commit up to $1 million in federal HOME Funds using the Single Family Owner Occupied Rehabilitation (SFOOR) Program. Up to $40,000 per household in forgivable non-payment loans will be made available to homeowners in affected areas. The funds can be used to build or renovate destroyed or damaged homes.

- **Delta Regional Authority** – Governor Quinn secured $400,000 in federal funding to reimburse local governments for expenses related to debris removal.

"Ameren Illinois is delighted to partner with the Illinois Department of Commerce and Economic Opportunity to help make recovery a little easier for residents of the Harrisburg and Ridgway areas," said Michael Moehn, Ameren Illinois senior vice president of customer operations. "Through our ActOnEnergy® program and the Warm Neighbors Cool Friends Home Repair Program, residents will be able to receive the financial assistance they need to meet the highest energy efficiency standards as they repair and rebuild. This will allow them to save money today and in the years to come."

Governor Quinn has directed his staff to continue to work with local, federal and non-governmental agencies to secure additional support for families in the affected areas.

This assistance package is in addition to nearly $1.4 million of in-kind state assistance already provided to the affected region. Shortly after the tornado stuck, Governor Quinn surveyed the damaged area and activated the State Emergency Operations Center to coordinate the deployment of state resources and personnel in support of local response and recovery efforts. The state's response included large deployments from IDOT, the Illinois Department of Corrections and the Illinois State Police, as well as assistance from several other state agencies and mutual aid organizations.

"The state of Illinois has been a trusted partner with us since the day the tornado struck," said Harrisburg Mayor Eric Gregg. "Recovery after a disaster of this magnitude isn't easy. This state assistance package will give our recovery efforts a significant boost. I appreciate Governor Quinn's continued commitment to helping our communities recover."

OFFICE OF GOVERNOR PAT QUINN **NEWS**

Governor Quinn directed state officials to start developing the state assistance package immediately after the state's request for FEMA assistance for individuals and subsequent appeal were denied. The administration has been exploring all possible opportunities to deliver relief and assistance to Southern Illinois' impacted communities.

Additional information about the state's response efforts is available at www.Ready Illinois.gov.

###

Appendix 2: Examples of Potential Non-Stafford Federal Assistance Programs

Agency	Program	Support for Individuals /Businesses	Support for Government
Department of Agriculture	Business and Industrial Loans	YES	NO
	Emergency Conservation Program for Agricultural Producers	YES	NO
	Farm Emergency Loans	YES	NO
	Farm Operating Loans	YES	NO
	Farm Ownership Loans	YES	NO
	Noninsured Crop Disaster Assistance Program	YES	NO
	Rural Housing Loans	YES	NO
	Rural Housing Repair Loans and Grants	YES	NO
	Rural Rental Housing	YES	NO
	Special supplemental Nutrition Program for Women, Infants and Children (WIC)	YES	NO
	Supplemental Nutrition Assistance Program (SNAP)	YES	NO
	The Emergency Food Assistance Program (TEFAP)	YES	NO
	Rental availability information, rental assistance, rental housing loans (for landlords)	YES	NO
United States Department of Commerce	Economic Adjustment Assistance	NO	YES
	Revolving Loan Fund (RLF) program	NO	YES
	Economic Development Administration (EDA) programs	NO	YES

Agency	Program	Support for Individuals /Businesses	Support for Government
Environmental Protection Agency (EPA)	Energy Star Program	YES	NO
	Climate Showcase Communities Grant Program	NO	YES
	Environmental Justice Small Grant Program	NO	YES
United States Department of Energy	Weatherization Assistance Program	YES	NO
Federal Emergency Management Agency	Technical Assistance to States		YES
	Mitigation Grant Assistance	YES	YES
	Disaster Recovery and Mitigation Information	YES	YES
Department of Health and Human Services	Temporary Assistance for Needy Families (TANIF) program	YES	NO
	Social Service Block Grant (SSBG) program	YES	YES
	Community Services Block Grant (CSBG) program	YES	YES
	Substance Abuse and Mental Health Services Administration (SAMHSA) – technical and helpline support	YES	YES
	Low Income Home Energy Assistance Program (LIHEAP)	YES	NO
Department of Housing and urban Development (HUD)	Community Development Block Grant (CDBG) program	YES	YES
	HOME program	YES	NO
	HOPE Program (for people with disabilities)	YES	NO
	Housing Choice Voucher Program (Section 8)	YES	NO

Agency	Program	Support for Individuals /Businesses	Support for Government
HUD (continued)	Housing counseling	**YES**	NO
	Subsidized and Public Housing Programs	**YES**	**YES**
	Self-Help Homeownership Opportunity Program (SHOP)	**YES**	NO
Small Business Administration (SBA)	Disaster Loan Program	**YES**	NO
Department of Labor	Workforce Reinvestment Act, National Emergency Grants (NEGs)	**YES**	**YES**
	Workforce Investment Act (WIA) Youth and Adult Programs	**YES**	NO
Department of the Treasury	Community Development Financial Institutions Program	**YES**	**YES**
	Savings Bond Redemption and Replacement	**YES**	NO
Department of Veteran Affairs (VA)	Specially Adapted Housing for Disabled Veterans	**YES**	NO
	VA Home Loans	**YES**	NO
	Burial Benefits	**YES**	NO

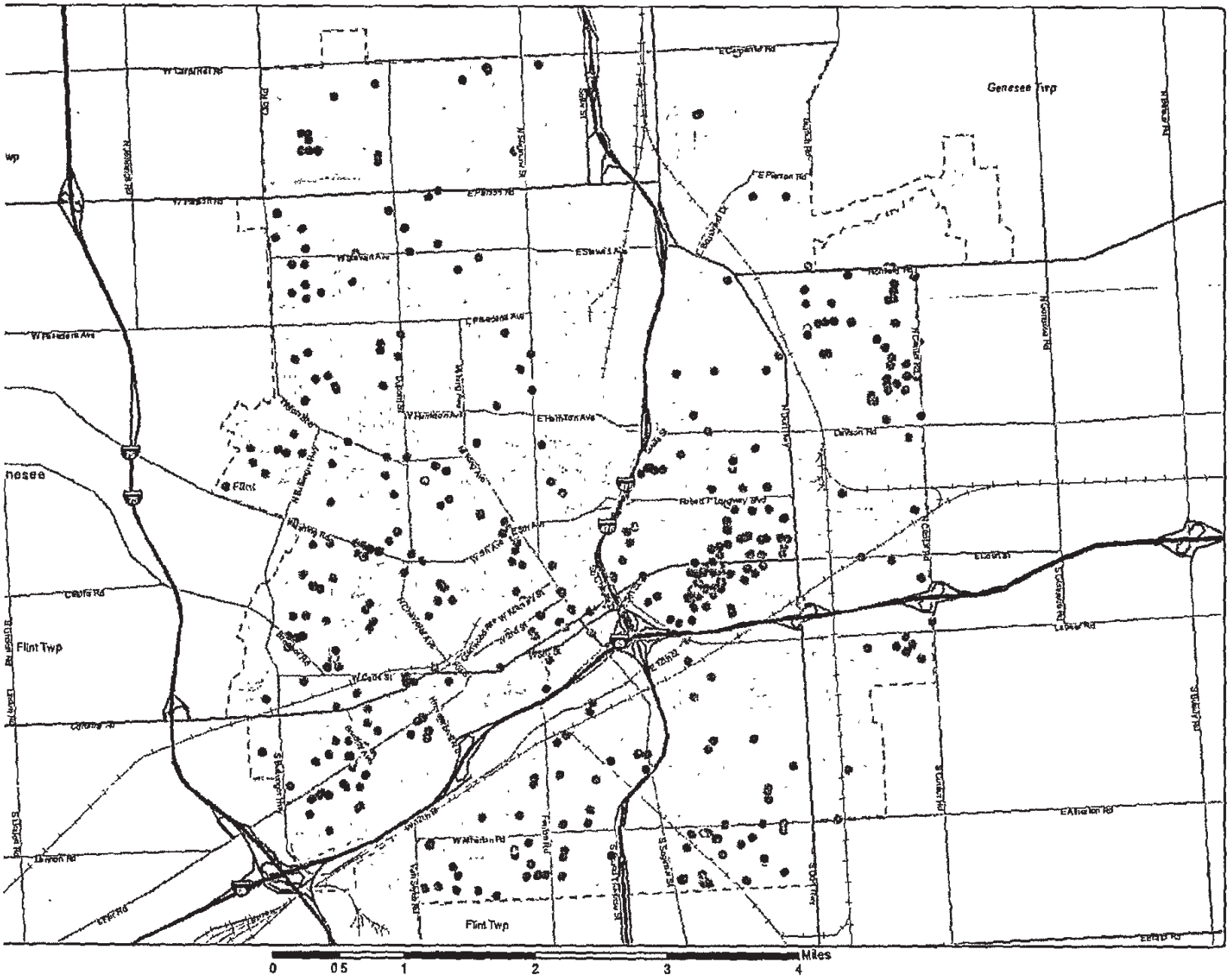
FEMA
Region V

City of Flint-Water Contamination / Shortage

(1/6/2016)

Water Monitoring Results - 11/25/2015

(1/6/2016)



Requirements for Licensed Food Establishments Using City of Flint Water

January 12, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

- The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test". Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 A.M. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612.
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-3939.

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. Then flush other equipment such as pop machines for at least 1-2 minutes.
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
- Use cold water and store it for immediate consumption.
- Always use cold water for drinking, cooking and cleaning/rinsing food.
- Hot water must be used for dishwashing.

Other equipment that may use city water:

- Ice machines – Install a water filter on the supply line or use bagged ice in drinking water.
- Pop machines – Flush for 1 minute daily or use bottled beverages.
- Coffee machines or Tea Urns – Flush for 1-2 minutes daily or use filtered water. These products may be very low risk as young children under 6 are not likely to consume these.
- Slush machines – Use filtered water.
- Spray misters – Flush for 1-2 minutes daily or use filtered water.

A licensed plumber can check your plumbing and service lines for lead soldering or lead service lines.

MKG

MDHHS

DEQ

Michigan Department of AGRICULTURE & Rural Development

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT

JAMIE CLOVER ADA
DIRECTOR

January 12, 2016

Attention: Food Establishments using City of Flint water supply

Dear Food Establishment Operator:

On October 5, 2015, you were sent a document recommending actions to take to avoid the risk of serving lead contaminated water to your customers. Effective immediately, the recommendations have been changed to a legal requirement, and food establishment license enforcement action may be taken if non-compliance is found until the public health emergency declaration has been lifted.

Please see the updated attached requirements sheet. Immediate action may be needed by your establishment to come into compliance.

Your establishment has three options:

1. Demonstrate your establishment is not using the City of Flint water supply for drinking, processing or cooking.
2. Demonstrate your water has been tested and is safe to use. You may request free testing by a regulatory official. To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939, M-F, and state you're a "Flint food establishment requesting a water test". Be prepared to provide a sampling time when your entire water system won't have been used for at least 6 hours. Sampling appointments between 5 a.m. and 4 p.m. are available. State offices are closed on January 18, 2016.
3. Install water filters as needed, and do daily flushing of unfiltered faucets and hard plumbed equipment. (Discontinuing use, flushing, etc. will still be needed until a safe water test is obtained).

Michigan Department of Agriculture and Rural Development inspectors are assisting the Genesee County Health Department in conducting sampling and inspections, so you may work with a different person other than your regular food safety inspector. Inspectors will also be making visits to establishments in the coming weeks to provide assistance and verify compliance.

For additional information, call 1-800-292-3939 or for the latest information on the Flint water response visit www.michigan.gov/flintwater.

We look forward to assisting you in any way possible.

Sincerely,

ion: This applies to licensed restaurants, grocery stores, con
ors and food warehouses.

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Food Processing establishments with general questions shoul

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lines for 5 minutes each day before using or serving wa
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Establishments Using City of Flint Water

January 12, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

- The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test". Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 A.M. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-393

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. Then flush other equipment such as pop machines for at least 1-2 minutes.
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
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Jan

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STATE OF MICHIGAN

RICK SNYDER
GOVERNOR

DEPARTMENT OF TECHNOLOGY, MANAGEMENT & BUDGET
LANSING

DAVID B. BEHEN
DIRECTOR

February 2, 2016

TO: *State of Michigan Procurement Leadership*

FROM: DTMB Procurement

SUBJECT: *Genesee County Water Emergency Response - Purchasing Guidance*

Thank you to all who are working to support the State of Michigan's Genesee County, City of Flint water emergency response.

Given the complexity and variety of the needs of this emergency effort, the purchasing support required is complex as well. Purchasing protocols have some differences under this declared state of emergency, and meticulous tracking of expenditures is imperative.

The Michigan State Police (MSP) is the lead agency overseeing the situation and managing the State Emergency Operations Center (SEOC). Flint related purchases must first be routed through the appropriate SEOC contact (see attached for an agency roster) to include the SEOC State Director. This is required for all Flint- related purchases without exception. The SEOC financial team is responsible for tracking all expenditures in connection with the emergency efforts.

Each agency is responsible for its own purchasing transactions. This includes p-card transactions and purchase orders, the tracking of all such transactions, and reporting of those transactions to the appropriate SEOC representative. Failure to properly inform the SEOC financial team of any transaction may result in a forfeiture of any potential reimbursement anticipated by the agency.

Agency purchasing managers are responsible to supply their agency's SEOC representative with a 24/7 phone number for agency purchasing staff support and request that the SEOC representative involves them in every purchase. (Note: SEOC hours are 8 am to 8 pm, seven days a week at this time.)

Emergency Purchasing Procedure:
Public Act 431 of 1984 provides an exception to competitive bidding during a state of emergency. However, responsible purchasing procedures are still the expectation for all procurement professionals (agency purchasing staff).

In addition to the notification and reporting expectations set forth above, transactions should be conducted and/or overseen by procurement professionals, with rare exception, in accordance with the following:

- Each agency makes their own determination when an emergency purchase order is required, and is then responsible for the supporting documentation
- Utilize existing State contracts where possible. Contact DTMB Procurement for help negotiating bulk rates or expedited shipments if needed, and for any concerns related to availability of funds on a contract

- Obtain three quotes whenever reasonably practicable
- Post bids online to the extent practicable
- Please escalate any questions to DTMB Procurement before executing a buy
- DTMB Procurement will assist any agency upon request to address supply chain issues (e.g. working with a national supplier to ensure a high volume supply of water filters are available)
- DTMB-Financial Services is not responsible for issuing emergency purchase orders on behalf of agencies with the exception of information technology related goods and services
- Maintain documentation supporting all transactions. Establish internal protocols to support this such as a single spreadsheet to track agency-wide transactions. Report your agency's expenses to the SEOC Finance team via your SEOC representative.

Questions, concerns, or comments should be directed to:

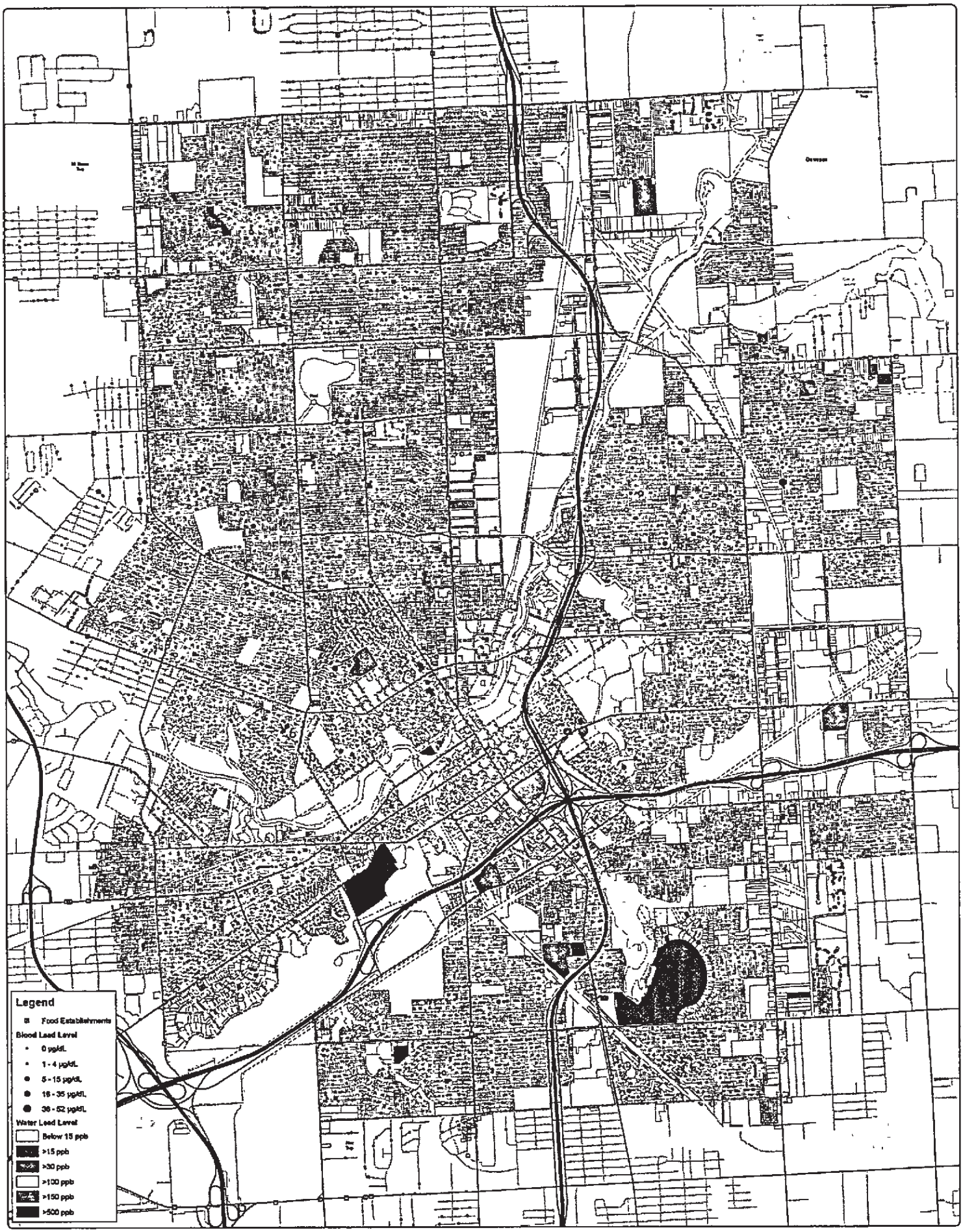
Primary Contact:
Rebecca Cook, Commodities Division Director
Cookr6@michigan.gov

Secondary Contact:
Jeff Brownlee, Chief Procurement Officer
brownleej@michigan.gov

Sincerely,

Jeff Brownlee
Chief Procurement Officer
State of Michigan

Flint Water Crisis - Blood Lead Levels & Food Establishments



Michigan State Police
Emergency Management and
Homeland Security Division

Miles 0 0.75 1.5

This information is being provided by the City of Flint, Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD). The MSP/EMHSD assumes no responsibility for the completeness or accuracy of the data displayed on this map. Data layers were compiled from various sources and are not to be construed as a "legal description"

Author: MSP-SEOCGIS2@michigan.gov, (A111)
Created: 06:43 PM, 03 Feb 16

MDARD

REQUEST FOR WATER ANALYSIS

IN-USE

Billing Information

Name	DWL Account number
MDEQ - RRD Div #900040-00	M99953605
Mailing Address: Flint Residential Lab Services	
City: Lansing	State: MI / Zip: 48910

See reverse side for

sam LG07364 d

Data Coding
60200380
02/02/16 1:13 PM

WSSN (Type I-II Public Water)	Does sample contain chlorine?	For questions call:
2310	(●) Yes ( ) No	810-787-6537 ext. 3501

SAMPLE SOURCE	SAMPLING PURPOSE
( ) 0 - Single Family Dwelling (X) 9 - Other	9 - Other
	SAMPLE POINT 9 - Other

REPORT RESULTS TO: (*PLEASE PRINT*) NOTE: RESULTS WILL BE EMAILED TO YOUR LOCAL COUNTY HEALTH DEPARTMENT

Name	E-mail address	
Mailing Address	Area Code & Phone number	
City: Flint	State: MI	ZIP Code: 48505

SAMPLE COLLECTION INFORMATION (*PLEASE PRINT*)

Sample Collector Name	Date Collected	Time Collected
KATHLEEN RUSSELL	2/1/16	1:30 ( ) AM (X) PM

Collector Code

( ) 0 - County Personnel
( ) 1 - Water Supply Operator
( ) 3 - Private Citizen
( ) 4 - DEQ Staff other than DW JIM HUGHAN
(X) 9 - Other MDARD

System/Owner Name: FIRST PRESBYTERIAN CHURCH

Collection Site (Street Address)	Township (If known)	Section (If known)
746 S. SAGINAW ST	N/A	N/A

City	County	ZIP Code	Well Number (If more than one)
FLINT	Genesee	48502	N/A

Sampling Point	Site Code or Permit Number (If known)
(X) Kitchen ( ) Bathroom	N/A

TEST CODE	INVESTIGATION UNIT #	DRINKING WATER TEST
CCUB	36CC - 1 Liter	Lead/Copper for Investigation

Return sample and form to either Flint City Hall or the Flint Water Plant.
Samples must be received in the laboratory within 14 days of collection.

DRINKING WATER LEAD AND COPPER SAMPLING INSTRUCTIONS

Thank you for helping to monitor for lead and copper in your drinking water.

It is important that you follow these instructions so we obtain an accurate measurement of the lead and copper in your drinking water.

Do not open the bottle until instructed in step 3. Do not touch the inside of cap or bottle.

1. **The water in the house must not have been used for a minimum of six (6) hours prior to sampling.** The best times to sample are early morning or after returning from work. **Do not flush the sample tap before sample collection.**

2. Select a cold water faucet in the **KITCHEN** or **BATHROOM** that is commonly used for drinking and has been used within the last 24 hours. **No other faucets are acceptable for collection.** If the faucet is connected to a faucet mount filter, water softener, iron filter or reverse osmosis system, etc. the treatment device must be removed or bypassed.

When was the faucet last used before sampling? Date 1/31/16 TIME 6:30 (AM) PM

Is there a faucet-mount filter? ☐ YES ☒ NO If YES, was it bypassed? ☐ YES ☐ NO

Is this faucet connected to a home treatment device such as a water softener, a reverse osmosis unit, an iron removal device OR is any kind of additive used in the home? ☐ YES ☒ NO

If YES, please describe: _____

If YES, was it bypassed? ☐ YES ☒ NO

3. Open sample bottle and place below the faucet and gently open the **COLD** water tap. If you have a single handle faucet, turn it fully to the **COLD** side. Fill the sample bottle to within an inch of the top with the "first draw" of **COLD** water.

4. Tightly cap the sample bottle

If any plumbing repairs or replacement has been done in the home since the previous sampling event, please note this information here:

If YES, please describe: N/A

5. Fill out the collection information on the front, answer the questions below and sign the form.

6. Attach this form to the bottle and return it to either **Flint City Hall or the Flint Water Plant.**

7. Thank you again for your help. We will send you your individual results within 30 days of receiving them from the laboratory. A summary of information on this year's lead and copper monitoring will be printed in the annual water quality report that will be made available by July 1 of this year. Contact your water supply if you have questions.

If you have any questions contact:

City of Flint Water Plant 4500 N. Dort Hwy. Phone: 810-787-6537 ext. 3501

I have read the Drinking Water Lead and Copper Sampling Instructions and have taken a tap sample in accordance with these directions.

Kathleen Russell
Sample Collector's Signature

2/1/16
Date

MDARD

REQUEST FOR WATER ANALYSIS

LG07383

Data Coding 60200380

Se samp 02/02/16 1:13 PM information

Billing Information

Name	DWL Account number
MDEQ - RRD Div #900040-00	M99953605
Mailing Address: Flint Residential Lab Services	
City: Lansing	State: MI Zip: 48910

WSSN (Type I-II Public Water)	Does sample contain chlorine?	For questions call:
2310	(●) Yes ( ) No	810-787-6537 ext. 3501

SAMPLE SOURCE
- ( ) 0 - Single Family Dwelling
- ( ) 9 - Other

SAMPLING PURPOSE
9 - Other

SAMPLE POINT
9 - Other

REPORT RESULTS TO: (*PLEASE PRINT*) NOTE: RESULTS WILL BE EMAILED TO YOUR LOCAL COUNTY HEALTH DEPARTMENT

Name	E-mail address
Mailing Address	Area Code & Phone number
City: Flint	State: MI ZIP Code: 48505

SAMPLE COLLECTION INFORMATION (*PLEASE PRINT*)

Sample Collector Name	Date Collected	Time Collected
Michelle Kusnier	1/29/16	11:44 (X) AM ( ) PM

Collector Code
- ( ) 0 - County Personnel
- ( ) 1 - Water Supply Operator
- ( ) 3 - Private Citizen
- ( ) 4 - DEQ Staff other than DW
- (X) 9 - Other MDARD

System/Owner Name: Kings Mrkt

Collection Site (Street Address)	Township (if known)	Section (if known)
1602 Oren		

City	County	ZIP Code	Well Number (If more than one)
Flint	Genesee	48505	

Sampling Point: (X) Kitchen ( ) Bathroom

Site Code or Permit Number (If known)

TEST CODE	INVESTIGATION UNIT #	DRINKING WATER TEST
CCUB	36CC - 1 Liter	Lead/Copper for Investigation

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1. **The water in the house must not have been used for a minimum of six (6) hours prior to sampling.** The best times to sample are early morning or after returning from work. **Do not flush the sample tap before sample collection.**

2. Select a cold water faucet in the **KITCHEN** or **BATHROOM** that is commonly used for drinking and has been used within the last 24 hours. **No other faucets are acceptable for collection.** If the faucet is connected to a faucet mount filter, water softener, iron filter or reverse osmosis system, etc. the treatment device must be removed or bypassed.

When was the faucet last used before sampling? Date 1/28/16 TIME 10:30 AM (PM)

Is there a faucet-mount filter? ☐ YES ☒ NO If YES, was it bypassed? ☐ YES ☐ NO

Is this faucet connected to a home treatment device such as a water softener, a reverse osmosis unit, an iron removal device OR is any kind of additive used in the home? ☐ YES ☒ NO

If YES, please describe: _____

If YES, was it bypassed? ☐ YES ☐ NO

3. Open sample bottle and place below the faucet and gently open the **COLD** water tap. If you have a single handle faucet, turn it fully to the **COLD** side. Fill the sample bottle to within an inch of the top with the "first draw" of **COLD** water.

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If you have any questions contact:

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I have read the Drinking Water Lead and Copper Sampling Instructions and have taken a tap sample in accordance with these directions.

Sample Collector's Signature _____ Date 1/29/16

STATE OF MICHIGAN
JOINT INFORMATION CENTER

NEWS RELEASE

FOR IMMEDIATE RELEASE
February 4, 2016
Release #: 29

Edible Flint Works to Address Water Emergency through Urban Gardening

Urban Agriculture Organization Makes a Positive Impact in Flint Communities

Flint, Mich. – Since 2009, Edible Flint has been working with individuals and institutional partners to support Flint residents in growing and accessing healthy food in order to reconnect with the land and each other. As a part of their continuing outreach to Flint's residents, Edible Flint is gearing up to ensure a bumper crop of lead fighting vegetables and address concerns over urban gardening in Flint.

Edible Flint supports more than 300 community and individual gardens in the city through its Garden Starters program. This program provides gardening classes, technical expertise, resources and supplies. In response to the recent Flint water emergency, the organization has plans to expand their programs as they prepare for the upcoming gardening season.

Not only are they looking to support additional food gardeners through their Garden Starters program, they are currently reviewing the selection of seeds and transplants being distributed this year to ensure vegetables that fight lead exposure are included. In addition, Edible Flint, which tests approximately 50 new gardens each year, will be increasing the number soil tests (including lead screening) for Flint's food gardens. They also intend to provide hose filters for garden irrigation for program participants.

"Edible Flint is committed to supporting Flint residents by providing access to resources to grow nutritious fresh food," said Terry McLean, Michigan State University Extension (MSUE) Educator, and Edible Flint Leadership Board Member. "Through our urban gardening program we hope to provide a catalyst for recovery and community engagement."

McLean added, Edible Flint has been working with MSUE partners to reassure gardeners of the safety of eating and growing vegetables grown in Flint's community gardens.

For more information on Edible Flint, visit http://www.edibleflint.org.

###

NOTE: ALL MEDIA INQUIRIES ARE BEING HANDLED BY THE JOINT INFORMATION CENTER AT 888-EMD-TODAY (888-363-8632). FOR FLINT WATER EMERGENCY DONATION INFORMATION, GO TO www.helpforflint.com.

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STATE OF MICHIGAN
JOINT INFORMATION CENTER

Media Advisory

FOR IMMEDIATE RELEASE
February 4, 2016

Contact: Joint Information Center
Telephone: 888-EMD-TODAY
(888-363-8632)

PHOTO/VIDEO OPPORTUNITY ON FEBRUARY 5, 2016

Flint and Genesee Chamber of Commerce, Genesee County Health Department, and State of Michigan to Host Tour of Restaurant Water Assessment Process

Who: Lt. Governor Brian Calley
Jamie Clover Adams, Director, MI Department of Agriculture & Rural Development
George Wilkinson, Group Vice President, Flint and Genesee Chamber of Commerce
Mark Valacak, Health Officer, Genesee County Health Department
David Lurvey, General Manager, Blackstone's Pub and Grill

What: Media event to highlight food safety measures being taken at Flint area food establishments. Following a short program, media will be given a behind-the-scenes look at how the Michigan Department of Agriculture and Rural Development and the Genesee County Health Department are conducting water assessments at Flint area food establishments.

When: 9 a.m. Friday, February 5, 2016

Where: Blackstone's Pub and Grill, 531 S. Saginaw St., Flint, MI 48502

For more information, visit www.mi.gov/flintwater, www.helpforflint.com, or call the United Way at 2-1-1.

###

NOTE: **ALL MEDIA INQUIRIES ARE BEING HANDLED BY THE JOINT INFORMATION CENTER AT 888-EMD-TODAY (888-363-8632).**

FDD Flint Water Emergency Response

Incident Action Plan

Michigan

Department of
AGRICULTURE
& Rural Development

Operational Period

02/08/2015 0500 to 02/012/2016 1700

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:	2. Operational Period:	Date From: 2/8/2016	Date To: 2/12/2016
FDD Flint Water Emergency Response		Time From: 0500	Time To: 1700

3. Objective(s):

- Ensure responder and public safety
- Continue scheduling and performing "first draw" water sample collection for testing as requests arrive to Division staff, including 100% high risk establishment water supplies sampled.
- Conduct follow up assessments at food establishments on the City of Flint water supply that were found to be non-compliant with requirments during initial or follow up assessments.
- Conduct in-use water sampling, for verification purposes, at firms identified with 1) initial "first draw" results where lead was detected, and 2) at re-assessments of previously non-compliant firms.
- Mail water sample test results to all firms with telephone notification of firms where lead was detected.
- Verbal notfications of water results to firms
- Enhance data management procedures to support field operations and daily update reporting.
- Provide timely updates to Agency Administrators and the State Emergency Operations Center, and appropriate partner agencies.
- Re-assess criteria for risk prioritization of firms based on latest data.
- Conduct initial assessments and first draw water sampling at food facilities newly re-classified as high or medium risk due to risk prioritization re-assessment

4. Operational Period Command Emphasis:

Initiate Phase 2: Verification and Compliance Assistance

- Site visits will be conducted in teams of two inspectors, to address possible negative community reaction. Be mindful of safety while out in the field. Immediately contact the Operations Section Chief / Safety Officer with any concerns.
- Be aware that the FDD response is taking place within the scope a much larger state and local response effort. New information may come in at any time, everyone's flexibility is appreciated.
- Follow the chain of command as appropriate.

General Situational Awareness

Inspectors encountering potentially violent situations should leave the area immediately. All needing access to Flint Water Plant need to have access cards issues. Flint weather for the operational period. Staff in State cars should be aware of potential risks due to negative reactions to State government.
https://weather.com/weather/tenday/l/48502:4:US

MON Feb 8	36°/27°	Snow Showers	50% <1 in	WSW 9 mph	86%
TUE Feb 9	30°/20°	Snow Showers	50% <1 in	NW 12 mph	79%
WED Feb 10	26°/17°	Mostly Cloudy	20%	WNW 13 mph	71%
THU Feb 11	31°/19°	Mostly Sunny	10%	WSW 15 mph	64%
FRI Feb 12	29°/18°	Cloudy	10%	W 16 mph	61%

1. Incident Name: FDD Flint Water Emergency Response	2. Operational Period:	Date From: 2/8/2016 Time From: 0500	Date To: 2/12/2016 Time To: 1700

5. Site Safety Plan Required? Yes ☐ No ☒

Approved Site Safety Plan(s) Located at: _____

6. Incident Action Plan (the items checked below are included in this Incident Action Plan):

☒ ICS 203	☒ ICS 207	Other Attachments:
☒ ICS 204	☐ ICS 208	☐
☐ ICS 205 Map/Chart	☒	☐ _____
☒ ICS 205A Forecast/Tides/Currents	☐ Weather	☐ _____
☐ ICS 206		☐ _____
☐ _____		

7. Prepared by: Name: L Hainstock Position/Title: PSC Signature: _____

8. Approved by Incident Commander: Name: Tim Slawinski Signature: _____

ICS 202	IAP Page	Date/Time: 2/5/2016 4:00 PM

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: FDD Flint Water Emergency Response	2. Operational Period:	Date From: 2/8/2016 Date To: 2/12/2016 Time From: 0500 Time To: 1700

3. Incident Commander(s) and Command Staff:	
IC/UCs	Sandra Walker
Deputy	Tim Slawinski
Safety Officer	Tom Tederington
Public Info. Officer	Jennifer Holton / JIC Deputy-Jeanne Hausler
Liaison Officer	Sean Dunleavy???

4. Agency/Organization Representatives:	
Agency/Organization	Name
MDARD Exec	Jamie Clover Adams
MDARD Exec	Gordon Wenk
MDARD FDD	Kevin Besey
MDARD FDD	Terry Philibeck
MDARD Exec/SEOC	Brad Deacon/Various

5. Planning Section:	
Chief	Lisa Hainstock
Deputy	John Tilden
Resources Unit	
Situation Unit	
Documentation Unit	Justin Henderson
Demobilization Unit	
Technical Specialists	Denise Clemens - Docs
	Dan Metiva – GIS/Sharepoint

6. Logistics Section:	
Chief	Tricia Bizoukas – as needed
Deputy	
Support Branch	
Director	
Supply Unit	
Facilities Unit	
Ground Support Unit	
Service Branch	
Director	
Communications Unit	
Medical Unit	

7. Operations Section:		
Chief	Tom Tederington	
Deputy	Steve Slater/Joel VanSant	
	Denise Clemens, Scheduling Assistant. Dan Metiva, Data Management / Support	
Staging Area	Steve Slater	
Branch		
Branch Director		
Deputy		
Division/Group	Denise Clemens	Scheduling ass't
Division/Group		
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Air Operations Branch		
Air Ops Branch Dir.		

8. Finance/Administration Section:	
Chief	Marsha Wiegman – as needed
Deputy	
Time Unit	
Procurement Unit	
Comp/Claims Unit	

1. Incident Name: FDD Flint Water Emergency Response	2. Operational Period:	Date From: 2/8/2016 Time From: 0500	Date To: 2/12/2016 Time To: 1700
Food Unit		Cost Unit	
9. Prepared by: Name: LHainstock	Position/Title: PSC	Signature: _____	
ICS 203	IAP Page	Date/Time: 2/5/2016 12:40 PM	

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ASSIGNMENT LIST (ICS 204)

1. Incident Name: FDD Flint Water Emergency Response	2. Operational Period: Date From: 2/8/2016 Date To: 2/12/2016 Time From: 0700 Time To: 1700	3. Branch: Operations Section Division: Group: Field Group Office Group Staging Area: Flint Water Plant 4500 N. Dort Highway

4. Operations Personnel:

	Name	Contact Number(s)
Operations Section Chief:	Tom Tederington	
Branch Director:		XXX-XXX-XXXX
Division/Group Supervisor:	Deputy Steve Slater/Joel VanSant	

5. Resources Assigned:

Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Staging Area	Slater, Tederington/VanSant		See 205a	Water bottles and handouts available at staging. Site will require swipe card for entry
FieldTeam 1 early sample	McDade/Kalishek			Early sample team starts at 07:00, if enough requests come the sampling teams will start at 5:00 am.
Field Team 2 early sample	Morgan/Kusnier			
Field Team 3	Hayes/Spencer			a
Field Team 4	Vansant/Benson			
Field Team 5	Harris/Prellwits			
Field Team 6	Keltner/Russell			
Office Team	Clemens			Manages appointments and tracking at Constitution Hall
GIS/IT manager	Metiva	1	Email	

6. Work Assignments:

- Teams will continue follow-up assessments and sampling in-use water, if not already sampled previously. Teams will continue collection of first-draw samples at firms that have been scheduled by appointment.
- Teams will initiate assessments and sampling at firms newly re-classified as "High Risk" by LHD. Additional assessments and sampling may be assigned as other Medium Risk firms are identified.
- In-use water samples will be collected at firms where initial sampling found lead in any concentration >"Not Detected". (Assignments are given to field teams by OSC based on risk and scheduled sampling requests by 4:00 pm for the next day). OSC and Deputy OSC will verify assignments prior to sending out to teams.
- Handouts and FI-101 are left as instructed. Staff continue to report significant problems or concerns to OSC. Fields teams will also complete a survey monkey for follow-up assessments.
- Field teams have been given instructions for capturing costs and time associated with this response.
- Office will verify sampling appointments each day for the following day. These appointments will be sent to OSC by 2:00 pm for the next day.

7. Special Instructions:

Field staff have been instructed to work in pairs until further notice. If they are not in pairs, they must notify Tom T. (Safety Officer). All follow up visits will be suspended for Feb 9-10, 2016, however, ANY WATER RESULTS RECEIVED ON THOSE DAYS >15ppb will be visited immediately for follow up. During this timeframe (February 9-10) Joel Vansant will be the Deputy Operations Chief and Kathleen Muzia and Marianne Courey will help as needed.

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name	/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
Tederington	/OSC	517-749-5849
Slater	/DOSC	989-239-2174
	/	
	/	

9. Prepared by: *Name: LHainstock* *Position/Title: PSC* Signature: _____

ICS 204	IAP Page	Date/Time: 2/5/2016 2:36 PM

COMMUNICATIONS LIST (ICS 205A)

1. Incident Name:	2. Operational Period:	Date From: 2/8/2016	Date To: 212/2016
FDD Flint Water Emergency Response		Time From: 0500	Time To: 1700

3. Basic Local Communications Information:

Incident Assigned Position	Name (Alphabetized)	Method(s) of Contact (*phone, pager, cell, etc.*)
Logistics Section Chief	Bizoukas, Tricia	
Planning Section Chief	Hainstock, Lisa	
Planning – Documentation Unit	Henderson, Justin	
Public Information Officer	Holton, Jennifer	
Operations - Deputy	Slater, Steve	
Operations Section Chief	Tederington, Tom	
Planning - Deputy	Tilden, John	
Incident Commander	Walker, Sandra	
Finance/Admin Section Chief	Wiegman, Marsha	
Planning – GIS/Sharepoint Spl	Metiva, Dan	
Ops/Planning – Documentation Spl	Clemens, Denise	
	SEOC – MDARD Desk	
	Deacon, Brad	
Incident Cmmander-Deputy	Tim Slawinski	
Deputy Public Information ofcr	Jeanne Hausler	

4. Prepared by: Name: L Hainstock Position/Title: PSC Signature:

1. Incident Name: FDD Flint Water Emergency Response		2. Operational Period:	Date From: 2/8/2016 Time From: 0500	Date To: 212/2016 Time To: 1700
ICS 205A	IAP Page	Date/Time: 2/5/2016 10:43 AM		

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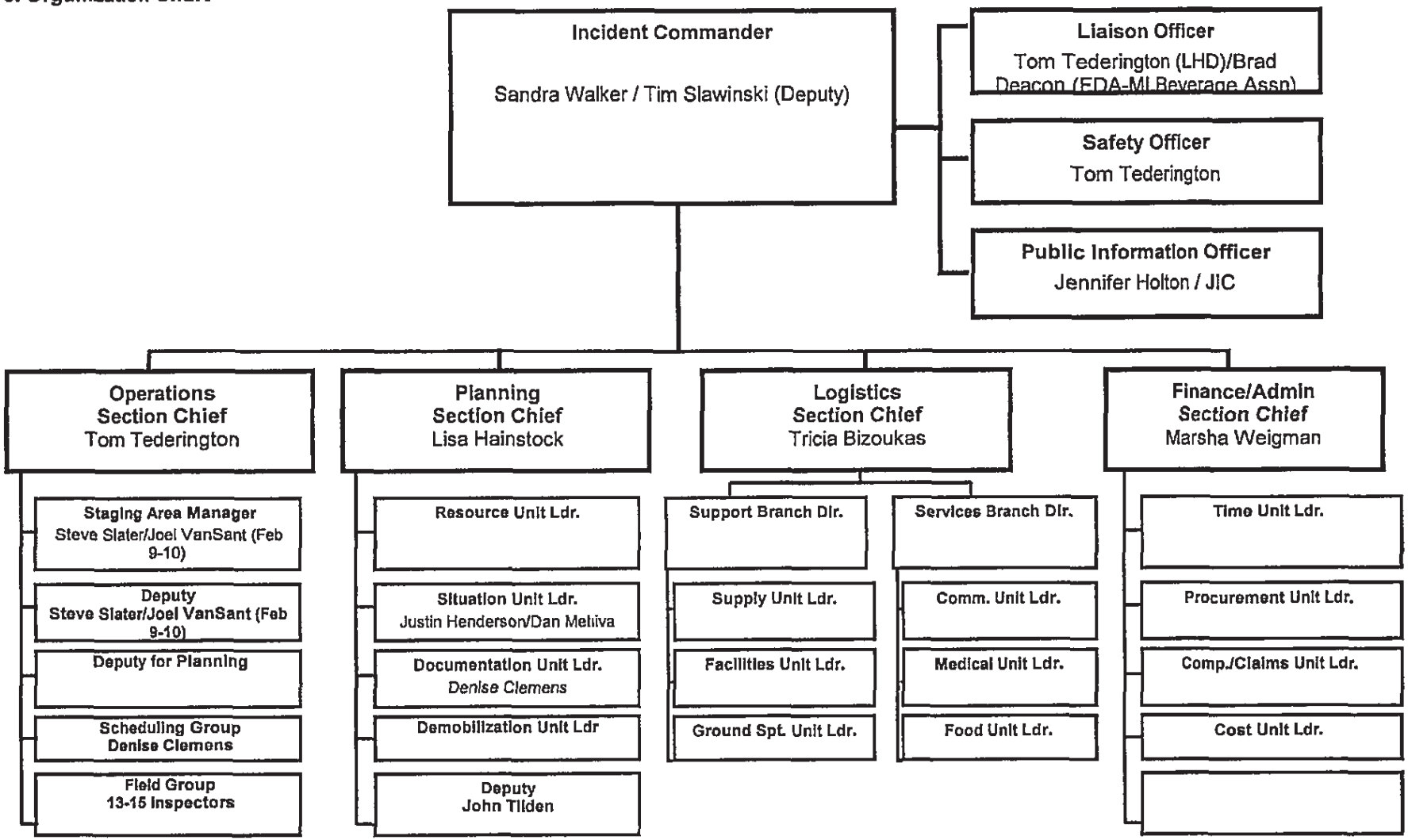
INCIDENT ORGANIZATION CHART (ICS 207)

1. Incident Name:	2. Operational Period: Date From: 2/1/2016 Date To: 2/5/2016
FDD Flint Water Emergency Response	Time From: 0500 Time To: 1700

3. Organization Chart



ICS 207	IAP Page 1	4. Prepared by: Name: LHainstock	Position/Title: OSC	Signature:	Date/Time: 2/5/2016 12:35 PM

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MSP-EOC-MDARD

From: Krisztian, George (DEQ)
Sent: Wednesday, January 20, 2016 7:21 AM
To: Banner, Shanon (MSP)
Cc: Brown, Melanie (DEQ); Tommasulo, Karen (DEQ); MSP-EOC-MDARD; Wolf, Jennifer (DNR); Beerbower, Byron (MDARD)
Subject: Re: REVIEW AND ADVISE

I concur with the language and how it will be utilized

Sent from my iPhone

On Jan 20, 2016, at 6:58 AM, Banner, Shanon (MSP) <BannerS@michigan.gov> wrote:

> We will give it to 211 to advise callers this morning.
>
> If it remains an issue tonight still we will add it to the night press release. I don't want to draw too much additional attention to it.
>
> Thanks Mel.
>
> Sent from my iPhone
>
> On Jan 20, 2016, at 6:46 AM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:
>
> > **Thanks Karen -**
> >
> > **George** - you good with the below statement? Also, I think we tell individuals they can return the product to the warehouse or firehouse they received from and receive new product from different product code for use.
> >
> > **Shannon / Byron / Jen Wolf** - this is an Ops piece - the coordination of the return of certain product codes to the warehouse or firehouse. Please advise on procedure for this OR please provide direction on what you prefer.
> >
> > **Shannon** - Please get direction from Command on if they want this on website or go thru 211.
> >
> > Thanks
> > Mel
> >
> > On Jan 19, 2016, at 4:59 PM, Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov> wrote:

A few residents have raised concerns about lead being present in the bottled and canned water that is being distributed through the water distribution sites.

We believe these concerns might originate from individuals using a total dissolved solids test strip in an attempt to test for lead. PER MANUFACTURER OF ZERO WATER, this test strip does not measure lead, and therefore would not give an accurate result. {Statement attached for reading}

However, we take every concern seriously, and therefore we are expeditiously testing the bottled and canned water being distributed in Flint to ensure it is lead free. In the meantime, we have taken the extra steps to hold back product bearing similar product codes until the test results come back. IN THE MEANTIME, IF YOU WOULD LIKE TO RETURN THE PRODUCT, IT CAN BE RETURNED TO XXXXXX, FLINT, MI XXXXX.

To assure incoming product is lead free, we will begin testing batches of new product and are working with the manufacturer to assure product integrity moving forward.

From: Holton, Jennifer (MDARD)
Sent: Tuesday, January 19, 2016 4:29 PM
To: Banner, Shanon (MSP)
Cc: Eisner, Jennifer (DHHS); Brown, Melanie (DEQ); Tommasulo, Karen (DEQ)
Subject: Re: please review -

I have provided all I have. The ball is in the DEQ/EOC court.

Sent from my iPhone

On Jan 19, 2016, at 4:18 PM, Banner, Shanon (MSP) <BannerS@michigan.gov> wrote:

Fellow PIOs,

I'm not seeing that we've closed this out yet? Is 211 still waiting on something from us?

Sent from my iPad

On Jan 19, 2016, at 1:00 PM, Holton, Jennifer (MDARD) <holtonj@michigan.gov> wrote:

> Typically, if there is an issue with product (eg, a recall), consumers are told to return it to the manufacture or place of purchase for a refund. If it's a consumer advisory, then MDARD or the company may offer discard informational tips. I can't speak to testing the bottled water itself or if the state can replace it. That's a DEQ and/or SEOC question.

From: Banner, Shanon (MSP)
Sent: Tuesday, January 19, 2016 12:40 PM
To: Holton, Jennifer (MDARD); MSP-EOC-MDARD; Brown, Melanie (DEQ)
Cc: Eisner, Jennifer (DHHS); Walker, Sandra (MDARD)
Subject: RE: please review -

> Thanks Jen. This reads better, but it still does not tell people what to do if they have concerns about their water. Should they be taking it somewhere; can we replace it? Also, I'm wondering if we should be providing 211 with the label names or product numbers so they can determine what water is the water being tested/in question.

From: Holton, Jennifer (MDARD)
Sent: Tuesday, January 19, 2016 12:23 PM
To: MSP-EOC-MDARD; Brown, Melanie (DEQ); Banner, Shanon (MSP)
Cc: Eisner, Jennifer (DHHS); Walker, Sandra (MDARD)
Subject: RE: please review -

> It's my understanding the local health department determines what is considered an approved source. They, along with DEQ, test at the source. MDARD inspects the facilities bottling in Michigan, but does not routinely test the final bottled product. If we do take a sample, we don't test for lead. We're looking

for bacteria and pathogens. I don't know about those companies bottling water outside the state of Michigan.

Also, I am not clear on the issue with a specific product/manufacturer.

The statement reads a little bureaucratic to me. Suggestions below.

As a few residents have raised concerns about lead possibly being in bottled or canned water, we are expeditiously testing the bottled and canned water to ensure it is lead free. Additionally, we have taken the extra steps to hold back product bearing similar product codes until the test results come back. We will also, out an abundance of caution, we will be testing batches of all new bottled water coming in to the distribution sites and working in partnership with the manufacturer to assure product integrity.

Jen

From: MSP-EOC-MDARD
Sent: Tuesday, January 19, 2016 11:00 AM
To: Brown, Melanie (DEQ); Banner, Shanon (MSP)
Cc: Holton, Jennifer (MDARD); Eisner, Jennifer (DHHS)
Subject: RE: please review -

Jen, and all,

I can confirm that the DEQ stated that they would be testing the bottled water identified out of an abundance of caution.

From conversations here it appears that the testing device that is used by the public does not detect lead

directly but looks for total dissolved solids (TDS). TDS is acceptable in Drinking water as it gives water taste versus the flat taste of distilled water.

MDARD does sample bottled water during our inspection of the bottlers during our normal operations. Let me know if you have any additional questions and I will try to answer the questions as best I can.

Byron Beerbower

State Emergency Operations Center

Michigan Department of Agriculture and Rural Development

517-324-2346

517-324-2347

From: Brown, Melanie (DEQ)
Sent: Tuesday, January 19, 2016 10:53 AM
To: Banner, Shanon (MSP)
Cc: Holton, Jennifer (MDARD); Eisner, Jennifer (DHHS); MSP-EOC-MDARD
Subject: Re: please review -

Jen - stop over re bottled water

On Jan 19, 2016, at 9:39 AM, Banner, Shanon (MSP) <BannerS@michigan.gov> wrote:

> Do we have anything we can send to 211 yet? They are looking to us for what they can tell callers. Also, the draft statement doesn't say if there is someplace they should take this water if they have it? I think we need to add that info.

Thanks!

Sent from my iPad

On Jan 18, 2016, at 9:20 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:

> DEQ is doing the testing
>
> On Jan 18, 2016, at 9:15 PM, Holton, Jennifer (MDARD) <holtonj@michigan.gov > wrote:
>
> > I can't confirm this as I am not sure bottled water testing falls to us. Looping in our EOC rep and food and dairy division director be sure.
> >
> > Sent from my iPhone
> >
> > On Jan 18, 2016,

at 8:44 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:

Jen Hand Shannon – please review.

Jen E –

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ide to 2-1-1 operators who get inquiries from residents ...

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Food and drink being an MDARD issue, I took the liberty

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of drafting for you – but am now turning this statement

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over to you for your MDARD magic. Upon approval by MDAR

D, Shannon can send to MSP Command for final vet and go

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for dissemination to 2-1-1.

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Thanks

Mel.

From: Brown, Melanie (DEQ)

Sent: Monday,

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January 18, 2016 8:36 PM

To: Creagh, Keith (DEQ)

Cc: Kris

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residents have raised concerns about lead being present

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in the bottled and canned water that is being distribut

ed through the water distribution sites. We take every c

oncern seriously therefore we are expeditiously testing

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the bottled and canned water to ensure it is lead free.

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In the meantime, we have held back the product bearings

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similar product codes while we test. To assure incoming p

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product is lead free, we will begin testing batches of one

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e product integrity moving forward.

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MSP-EOC-MDARD

From: Banner, Shanon (MSP)
Sent: Wednesday, January 20, 2016 6:58 AM
To: Brown, Melanie (DEQ)
Cc: Tommasulo, Karen (DEQ); Krisztian, George (DEQ); MSP-EOC-MDARD; Wolf, Jennifer (DNR); Beerbower, Byron (MDARD)
Subject: Re: REVIEW AND ADVISE

We will give it to 211 to advise callers this morning.

If it remains an issue tonight still we will add it to the night press release. I don't want to draw too much additional attention to it.

Thanks Mel.

Sent from my iPhone

On Jan 20, 2016, at 6:46 AM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:

> **Thanks Karen -**
>
> **George** - you good with the below statement? Also, I think we tell individuals they can return the product to the warehouse or firehouse they received from and receive new product from different product code for use.
>
> **Shannon / Byron / Jen Wolf** - this is an Ops piece - the coordination of the return of certain product codes to the warehouse or firehouse. Please advise on procedure for this OR please provide direction on what you prefer.
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> > We believe these concerns might originate from individuals using a total dissolved solids test strip in an attempt to test for lead. PER MANUFACTURER OF ZERO WATER, this test strip does not measure lead, and therefore would not give an accurate result. {Statement attached for reading}

However, we take every concern seriously, and therefore we are expeditiously testing the bottled and canned water being distributed in Flint to ensure it is lead free. In the meantime, we have taken the extra steps to hold back product bearing similar product codes until the test results come back. IN THE MEANTIME, IF YOU WOULD LIKE TO RETURN THE PRODUCT, IT CAN BE RETURNED TO XXXXXX, FLINT, MI XXXXX.

To assure incoming product is lead free, we will begin testing batches of new product and are working with the manufacturer to assure product integrity moving forward.

From: Holton, Jennifer (MDARD)
Sent: Tuesday, January 19, 2016 4:29 PM
To: Banner, Shanon (MSP)
Cc: Eisner, Jennifer (DHHS); Brown, Melanie (DEQ); Tommasulo, Karen (DEQ)
Subject: Re: please review -

I have provided all I have. The ball is in the DEQ/EOC court.

Sent from my iPhone

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Sent: Tuesday, January 19, 2016 12:40 PM
To: Holton, Jennifer (MDARD); MSP-EOC-MDARD; Brown, Melanie (DEQ)
Cc: Eisner, Jennifer (DHHS); Walker, Sandra (MDARD)
Subject: RE: please review -

Thanks Jen. This reads better, but it still does not tell people what to do if they have concerns about their water. Should they be taking it somewhere; can we replace it? Also, I'm wondering if we should be providing 211 with the label names or product numbers so they can determine what water is the water being tested/in question.

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Cc: Eisner, Jennifer (DHHS); Walker, Sandra (MDARD)
Subject: RE: please review -

It's my understanding the local health department determines what is considered an approved source. They, along with DEQ, test at the source. MDARD inspects the facilities bottling in Michigan, but does not routinely test the final bottled product. If we do take a sample, we don't test for lead. We're looking for bacteria and pathogens. I don't know about those companies bottling water outside the state of Michigan.

Also, I am not clear on the issue with a specific product/manufacturer.

The statement reads a little bureaucratic to me. Suggestions below.

As a few residents have raised concerns about lead possibly being in bottled or canned water, we are expeditiously testing the bottled and canned water to ensure it is lead free. Additionally, we have taken the extra steps to hold back product bearing similar product codes until the test results come back. We will also, out an abundance of caution, we will be testing batches of all new bottled water coming in to the distribution sites and working in partnership with the manufacturer to assure product integrity.

Jen

From: MSP-EOC-MDARD
Sent: Tuesday, January 19, 2016 11:00 AM
To: Brown, Melanie (DEQ); Banner, Shanon (MSP)
Cc: Holton, Jennifer (MDARD); Eisner, Jennifer (DHHS)
Subject: RE: please review -

Jen, and all,

I can confirm that the DEQ stated that they would be testing the bottled water identified out of an abundance of caution.

From conversations here it appears that the testing device that is used by the public does not detect lead directly but looks for total dissolved solids (TDS). TDS is acceptable in Drinking water as it gives water taste versus the flat taste of distilled water.

MDARD does sample bottled water during our inspection of the bottlers during our normal operations. Let me know if you have any additional questions and I will try to answer the questions as best I can.

Byron Beerbower

State Emergency Operations Center

Michigan Department of Agriculture and Rural Development

517-324-2346

517-324-2347

From: Brown, Melanie (DEQ)
Sent: Tuesday, January 19, 2016 10:53 AM

To: Banner, Shanon (MSP)
Cc: Holton, Jennifer (MDARD); Eisner, Jennifer (DHHS); MSP-EOC-MDARD
Subject: Re: please review -

Jen - stop over re bottled water

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> > > I can't confirm this as I am not sure bottled water testing falls to us. Looping in our EOC rep and food and dairy division director be sure.
> > >
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> > >
> > > On Jan 18, 2016, at 8:44 PM, Brown, Melanie (DEQ)

<BrownM45@michigan.gov> wrote:

Jen H and Shannon – please review.

Jen E – FYI

In short, we need to vet the below message to provide to 2-1-1 operators who get inquiries from residents…

Food and drink being an MDARD issue, I took the liberty of drafting for you – but am now turning this

statement over to you for your MDARD magic.

Upon approval by MDARD, Shannon can send to MSP Command for final vet and go for dissemination to 2-1-1.

Call me with any questions

Thanks

Mel.

From: Brown, Melanie (DEQ)
Sent: Monday, January 18,

2016 8:36 PM
To: Creagh, Keith (DEQ)
Cc: Krisztian, George (DEQ)
Subject: RE: please review -

A few residents have raised concerns about lead being present in the bottled and canned water that is being distributed through the water distribution sites. We take every concern seriously therefore we are

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MSP-EOC-MDARD

From: Dehner, Amy (MSP)
Sent: Wednesday, January 20, 2016 6:49 AM
To: Twohig, Lauren
Cc: MSP-EOC-MDARD; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: Re: For Action: WRT 1.20.16

Just clarifying as we had discussed this during our conference call yesterday, we are putting out 10 teams, not 9.

Sent from my iPhone

On Jan 20, 2016, at 2:11 AM, Twohig, Lauren <Lauren.Twohig@redcross.org> wrote:

> Good Morning,
>
> Attached is the updated WRT plan for today. I've highlighted changes in red.
>
> Please let me know if there are any questions.
>
> Thank you
> Lauren
>
> **Attachments**

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Wednesday 01 20 16_V2.0_FINAL

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 | Mobile 202.316.3386 | lauren.twohig@redcross.org

<Flint Water Response Team Plan for Wednesday 01 20 16_FINAL.pdf>

MSP-EOC-MDARD

From: Brown, Melanie (DEQ)
Sent: Wednesday, January 20, 2016 6:47 AM
To: Tommasulo, Karen (DEQ); Krisztian, George (DEQ); MSP-EOC-MDARD; Wolf, Jennifer (DNR); Beerbower, Byron (MDARD); Banner, Shanon (MSP)
Subject: REVIEW AND ADVISE

Thanks Karen -

George - you good with the below statement? Also, I think we tell individuals they can return the product to the warehouse or firehouse they received from and receive new product from different product code for use.

Shannon / Byron / Jen Wolf - this is an Ops piece - the coordination of the return of certain product codes to the warehouse or firehouse. Please advise on procedure for this OR please provide direction on what you prefer.

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Mel

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Michigan Department of Agriculture and Rural Development

517-324-2346

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MSP-EOC-MDARD

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Wednesday, January 20, 2016 2:12 AM
To: MSP-EOC-MDARD; Alicia.tate-nadeu@fema.dhs.gov; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: For Action: WRT 1.20.16
Attachments: Flint Water Response Team Plan for Wednesday 01 20 16_FINAL.pdf

Good Morning,

Attached is the updated WRT plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Wednesday 01 20 16_V2.0_FINAL

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobile 202.316.3386 | lauren.twohig@redcross.org

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Tuesday, January 19, 2016 10:58 PM
To: MSP-EOC-MDARD
Subject: something for the 9:30 briefing / sit report

MDARD provided the Recovery Branch (Brianna Briggs at EMHSD); need to check on what the official name is) background on possible state and federal programs related to supporting the food and agriculture system and nutrition to assist with long term recovery.

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MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Tuesday, January 19, 2016 5:52 PM
To: Wells, Eden (DHHS)
Cc: Hertel, Elizabeth (DHHS); Ruest, Karla (DHHS); Walker, Sandra (MDARD); MSP-EOC-MDARD
Subject: RE: Businesses and water access
Attachments: Water Handout 2016_Jan 13.pdf; Lead sheet cover letter - Holton JIC Jan 14 2016.docx

Eden –
First off, this only applies to food related businesses – we have not had any activities with other types of businesses. In October, we sent a jointly developed (MDARD, MDHHS, MDEQ, and Genesee Co. LHD) to all food businesses under both state and county jurisdiction alerting them to the issue and suggesting they take action. Up through last week that was on the Michigan.gov/flintwater page. In October, MDARD contacted the food processors and checked on the status of their water supply and water use; the FDA also checked on some of the facilities under their jurisdiction.
Last week, our jointly developed guidance was updated and is now a requirements document. It was approved through the JIC and the SEOC and was mailed on Thursday of last week. Per conversations with the Genesee Co. Health Dept., due to their staffing levels they have asked us to assist in outreach to restaurants/food service. The notices contain new guidance and direct businesses to contact us and we'll schedule an appointment to test their water (attached). I've heard that we started getting those calls today.
Wed morning we are training 14 of our Food & Dairy Division staff on water sampling and the process for getting testing kits and dropping them off, etc., and Wed. afternoon they will get out to the 11 businesses in the most impacted area – overlaying our maps on the published "hot zone" map – that's where we'll start first to do an initial assessment of the building and schedule a time to collect a sample. From there we'll keep working on the total list, prioritizing those businesses that call for an appointment as well as those that are more likely to serve at risk populations. Additionally, MDARD's Motor Fuels Quality & Weights & Measures staff will hand deliver the notice to every one of the 90+ gas stations with a Flint address. Some are likely not on Flint water, but we've found sometimes that the addresses we have for them are business offices, so by the end of the week, they'll all get a personal visit.
MDARD has set up an internal Incident Management Team, with Sandra Walker as our Incident Commander.
The LHD total list also included schools; since Dept. of Education has already been working on that we are not working with them.

Hope that helps. I'm sure as we have more interactions with businesses we'll have more to report.

Brad Deacon
Director, Office of Legal Affairs
Emergency Management Coordinator
Michigan Department of Agriculture &
Rural Development
Deaconb9@michigan.gov
Desk phone: 517-284-5729

From: Wells, Eden (DHHS)
Sent: Tuesday, January 19, 2016 5:33 PM
To: Deacon, Brad (MDARD)
Cc: Hertel, Elizabeth (DHHS); Ruest, Karla (DHHS)
Subject: Businesses and water access

Hi Brad,

We met with Representatives today about the Flint issue, and there were a few questions about business access to clean water and filters. Can you summarize what activities are going on (since Oct 2015) to address the needs of businesses in Flint, particularly restaurants, etc.? Are there still need to be met, and if so, what are they?

Eden

Eden V. Wells, MD, MPH, FACPM
Chief Medical Executive
Michigan Department of Health and Human Services
201 Townsend St., 5th Floor CVB
Lansing, MI 48913

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MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Tuesday, January 19, 2016 5:31 PM
To: Besey, Kevin (MDARD); Walker, Sandra (MDARD)
Cc: Fritz, Kay (MDARD); Tilden, John (MDARD); Hainstock, Lisa (MDARD); MSP-EOC-MDARD
Subject: FW: Retail firm guidance in Flint, Michigan

fyi

From: Joseph, Lisa J. [mailto:Lisa.Joseph@fda.hhs.gov]
Sent: Tuesday, January 19, 2016 4:38 PM
To: Beerbower, Byron (MDARD); Deacon, Brad (MDARD); Tederington, Thomas (MDARD)
Cc: Thursam, Lisa; Czabaniuk, Art O.
Subject: Retail firm guidance in Flint, Michigan

Good afternoon, MDARD,

Please see CFSAN's guidance on retail firms below:

- FDA/CFSAN does not have a thorough and up-to-date understanding of the situation in Flint, MI and the current advisories, if any, that have been issued by the State and local regulatory authorities.
- FDA's advice to retailers and foodservice operators in Flint, MI should be to closely follow the directives and recommendations of the regulatory authority that has issued their permit/license to operate.
- Any advice or technical assistance that FDA provides should only be at the request of, and be directed to the public officials who are engaging the local businesses.
- FDA's Food Code – Chapter 5 - has information regarding water source, quality, quantity, availability and distribution for foodservice/retail establishment. If officials from HHS or other Federal agencies are in need of information about FDA's guidance on safe operation of foodservice/retail establishments for their own awareness, they can find this information at the following link – http://www.fda.gov/Food/GuidanceRegulation/RetailFoodProtection/FoodCode/ucm374275.htm Another good source of general information is the Emergency Action Plan for Retail Food Establishments developed by the Conference for Food Protection (CFP), with assistance from FDA. That document can be found at:
- http://www.foodprotect.org/media/guide/Emergency%20Action%20Plan%20for%20Retail%20food%20Est.pdf . The CFP guidelines address the interruption of water supply and issues surrounding the **microbiological quality** of water supplies. Given the unique and evolving situation in Flint, care should be given to recognize that current directives from health officials on the ground take precedence over the general guidelines and advice that is provided in these documents.

We will pass along to our consumer complaint coordinator, as well, in the event that we receive inquiries from retail locations.

Please let me know if you have any questions,
Lisa

Lisa J. Joseph

Emergency Response Coordinator
U.S. Food and Drug Administration
Detroit District Office

300 River Place Dr., Ste. 5900
Detroit, MI 48207
✉: lisa.joseph@fda hhs gov
☎: 313.393.8169
🖷: 313.393.8139

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MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Tuesday, January 19, 2016 4:19 PM
To: Briggs, Brianna (MSP)
Cc: MSP-EOC-MDARD; MSP-EOC-MDCH; Clover Adams, Jamie (MDARD)
Subject: FW: Today's Update
Attachments: Potential Assistance Programs - MDARD.docx

Brianna – per your request, here are some federal and state programs we're aware of that might be possible sources to help with pieces of recovery. Please let us know if you have any questions.

From: Anastor, Peter (MDARD)
Sent: Tuesday, January 19, 2016 4:17 PM
To: Deacon, Brad (MDARD)
Cc: Tyszkiewicz, Maria (MDARD); Nyquist, Nancy (MDARD)
Subject: FW: Today's Update

Peter Anastor
Michigan Department of Agriculture and Rural Development
Office: 517.284.5777

From: Anastor, Peter (MDARD)
Sent: Tuesday, January 19, 2016 3:49 PM
To: Deacon, Brad (MDARD)
Cc: Nyquist, Nancy (MDARD); Tyszkiewicz, Maria (MDARD)
Subject: FW: Today's Update

Hi Brad:
I checked with the team and Nancy added a couple of our current state led programs (Specialty Crop Block Grant and Value-Add). Please let us know if you need more information.

Best Regards,

Peter Anastor
Michigan Department of Agriculture and Rural Development
Office: 517.284.5777

From: MSP-EOC-MDARD [mailto:MSP-EOC-MDARD@michigan.gov]
Sent: Saturday, January 16, 2016 4:52 PM
To: Clover Adams, Jamie (MDARD); Wenk, Gordon (MDARD); Blakely, Matthew (MDARD); Tyszkiewicz, Maria (MDARD); Anastor, Peter (MDARD); Nyquist, Nancy (MDARD); Besey, Kevin (MDARD); Walker, Sandra (MDARD); Tederington, Thomas (MDARD); Beerbower, Byron (MDARD); Averill, James (MDARD); Johnson, James (MDARD); Alessandri, Gina (MDARD); Holton, Jennifer (MDARD); Throne, Heather (MDARD)
Subject: Today's Update

This is what I provided for today's Situation Report: Primary activities today: coordination with FDA Detroit District on their and MDARD's upcoming activities related to food, inquiry into a possible animal facility requiring follow up; draft of a document outlining federal resources that may be available to assist with broader recovery issues.

I talked with Lisa Joseph of FDA Detroit District, who said FDA is planning to conduct inspections at 5 watering points at Flint Bishop Airport starting on Tuesday, 1/19/15. They also plan to conduct a seafood HACCP inspection on Donlan Fisheries to determine the status of their water use (they were using municipal water in October and had not yet received a filter) to process seafood/make ice, and they will let us know. I confirmed that she had our updated Requirements documents and shared what our plans are for this coming week.

Confirmed that one of the locations in USA Herds with a Flint address appears to be in an area served by City water; though the premise is listed as inactive in our database, Animal Industry will visit the location to check status.

Started a Resource Document – State Emergency Operations Center wants a document containing applicable potential resources available for long term recovery; SEOC has requested this back by COB Tuesday (Peter, Nancy, and Maria – need you to review/edit/add to by 4pm Tuesday). I only included some USDA grants/loans info I could find. If there's more please add.

With the Governor's request for a federal Emergency Declaration approved, FEMA's Incident Mgmt Team will be coming in tonight / tomorrow and will be looking to coordinate with state agencies. Byron Beerbower has agreed to come in for Sunday morning, and afternoon if necessary; I will be available by phone and be back in the SEOC Monday.

FDD asked for a resource request for a meeting place for Wednesday for training on water sampling; it has not been submitted since we need more details (start time, how long we need the room for, etc.)

Provided an update to the SEOC on Indiana's HPAI outbreak.

Brad Deacon
State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

MSP-EOC-MDARD

From: Metiva, Daniel (MDARD)
Sent: Tuesday, January 19, 2016 2:16 PM
To: MSP-EOC-MDARD
Cc: Schalow, Michele (MDARD); Deacon, Brad (MDARD); Bizoukas, Patricia (MDARD)
Subject: Re: On Flint Water?

The MSP GIS map has given us 10 zones. Zone 1 bring the "hot" zone, and Zone 10 being "optimal".

The address listed below is in zone 7. They are NOT in the immediate "worry" zones.

Thanks,

Dan Metiva III
MDARD- FDD
Constitution Hall
525 W. Allegan St.
Lansing, MI 48933
P: (517) 243-5781
E: MetivaD@Michigan.gov

Sent from my iPhone 6

On Jan 19, 2016, at 2:04 PM, MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov> wrote:

> Thanks will work with Dan and GIS to answer the question.
>
> ---
>
> **From:** Schalow, Michele (MDARD)
> **Sent:** Tuesday, January 19, 2016 2:03 PM
> **To:** MSP-EOC-MDARD
> **Cc:** Deacon, Brad (MDARD); Metiva, Daniel (MDARD)
> **Subject:** RE: On Flint Water?
>
> The below address is correct.
>
> Michele Schalow, DVM
> Program Manager
> Michigan Department of Agriculture and Rural Development (MDARD)
> Animal Industry Division (AID)
> 517-284-5688 (Office)
> 517-373-6015 (Fax)
>
> ---
>
> **From:** MSP-EOC-MDARD
> **Sent:** Tuesday, January 19, 2016 1:57 PM
> **To:** Schalow, Michele (MDARD)
> **Cc:** Deacon, Brad (MDARD); Metiva, Daniel (MDARD)
> **Subject:** RE: On Flint Water?
>
> Michelle,

Can you confirm this is the correct address for the clinic?

Reese Veterinary Clinic G-1170 E. Hemphill Rd, **Burton** MI 48529

If so then I can follow up with GIS here or with Dan Metiva who now has access to some of the GIS mapping functions.

byron
State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

From: Deacon, Brad (MDARD)
Sent: Tuesday, January 19, 2016 1:48 PM
To: MSP-EOC-MDARD
Subject: Fwd: On Flint Water?

Byron - could you check on this and see if there's a way to check this location.

Sent from my iPhone

Begin forwarded message:

> **From:** "Schalow, Michele (MDARD)" <SchalowM@michigan.gov>
> **Date:** January 19, 2016 at 11:19:50 AM EST
> **To:** "Deacon, Brad (MDARD)" <deaconb9@michigan.gov>
> **Cc:** "Frank, Nancy (MDARD)" <frankn@michigan.gov>, "Averill, James (MDARD)" <averillj1@michigan.gov>, "Kapala, Pollyanne (MDARD)" <kapalap@michigan.gov>, "Barr, Nancy (MDARD)" <barrn@michigan.gov>
> **Subject: On Flint Water?**
>
> Brad,
>
> Dr. Averill advised I email you regarding a situation that has come up. In following up with the various veterinary practices in the greater Flint area regarding the Flint water situation, I spoke with Dr. Susan Shanks with Reese Veterinary Clinic in Burton, MI today. Dr. Shanks states that she is unsure if she is on City of Flint water. Dr. Shanks states that (she believes) she is not paying for City water, but states that coverage maps for Burton show her practice as being on City water. Dr. Shanks states that their practice has been taking precautions with their patients for some time (giving bottled water), but would really like to know for sure if she is or is not on City water. Is there any way we can for sure determine this for her? (FYI, I did discuss with her the availability of free testing and filters, as well as gave her the website (www.michigan.gov/flintwater) for more information).
>
> Michele Schalow, DVM
> Program Manager
> Michigan Department of Agriculture and Rural Development (MDARD)
> Animal Industry Division (AID)
> 517-284-5688 (Office)

517-373-6015 (Fax)

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MSP-EOC-MDARD

From: Hausler, Jeanne (MDARD)
Sent: Tuesday, January 19, 2016 1:07 PM
To: Deacon, Brad (MDARD)
Cc: Beerbower, Byron (MDARD); MSP-EOC-MDARD
Subject: RE: Heads up

Thanks

Jeanne M. Hausler
Food & Dairy Communications
Food & Dairy Division
Michigan Department of Agriculture & Rural Development

hauslerj@michigan.gov

-----Original Message-----
From: Deacon, Brad (MDARD)
Sent: Tuesday, January 19, 2016 12:58 PM
To: Hausler, Jeanne (MDARD)
Cc: Beerbower, Byron (MDARD); MSP-EOC-MDARD
Subject: Re: Heads up

Byron is there

Sent from my iPhone

> On Jan 19, 2016, at 11:49 AM, "Hausler, Jeanne (MDARD)" <hauslerj@michigan.gov> wrote:
>
> Hi, Brad,
>
> Are you at the SEOC today? If not, can you tell me who is? Jen asked me to loop you (or your rep) in on the draft bullet points for FDD staff being routed for approval (attached).
>
> Thanks!
>
> Jeanne M. Hausler
> Food & Dairy Communications
> Food & Dairy Division
> Michigan Department of Agriculture & Rural Development
>
> hauslerj@michigan.gov
>
>
> -----Original Message-----
> From: Holton, Jennifer (MDARD)
> Sent: Tuesday, January 19, 2016 10:42 AM
> To: Hausler, Jeanne (MDARD)

> Subject: RE: Heads up
>
> Also, please make sure the MDARD SEOC rep is looped in.
>
> -----Original Message-----
> From: Hausler, Jeanne (MDARD)
> Sent: Tuesday, January 19, 2016 9:53 AM
> To: Holton, Jennifer (MDARD)
> Subject: RE: Heads up
>
> Thanks, Jen. At last Friday's ICS meeting, I was asked to draft bullet points for FDD staff regarding what to do if they receive questions about Flint Water while they are out doing inspections. The draft is routing for approval, but can you please take a look at it? It is attached.
>
> Jeanne M. Hausler
> Food & Dairy Communications
> Food & Dairy Division
> Michigan Department of Agriculture & Rural Development
>
> hauslerj@michigan.gov
>
> -----Original Message-----
> From: Holton, Jennifer (MDARD)
> Sent: Tuesday, January 19, 2016 9:36 AM
> To: JICManager
> Cc: Hausler, Jeanne (MDARD); Brown, Melanie (DEQ); Tommasulo, Karen (DEQ)
> Subject: Heads up
>
> Flint is on the Steve Harvey show right now. I think Jesse Jackson is on as well.
>
> Sent from my iPhone
> <Food Staff Flint Water Bullet Points.docx>

MSP-EOC-MDARD

From: Holton, Jennifer (MDARD)
Sent: Tuesday, January 19, 2016 1:01 PM
To: Banner, Shanon (MSP); MSP-EOC-MDARD; Brown, Melanie (DEQ)
Cc: Eisner, Jennifer (DHHS); Walker, Sandra (MDARD); Deacon, Brad (MDARD)
Subject: RE: please review -

Typically, if there is an issue with product (eg, a recall), consumers are told to return it to the manufacture or place of purchase for a refund. If it's a consumer advisory, then MDARD or the company may offer discard informational tips. I can't speak to testing the bottled water itself or if the state can replace it. That's a DEQ and/or SEOC question.

From: Banner, Shanon (MSP)
Sent: Tuesday, January 19, 2016 12:40 PM
To: Holton, Jennifer (MDARD); MSP-EOC-MDARD; Brown, Melanie (DEQ)
Cc: Eisner, Jennifer (DHHS); Walker, Sandra (MDARD)
Subject: RE: please review -

Thanks Jen. This reads better, but it still does not tell people what to do if they have concerns about their water. Should they be taking it somewhere; can we replace it? Also, I'm wondering if we should be providing 211 with the label names or product numbers so they can determine what water is the water being tested/in question.

From: Holton, Jennifer (MDARD)
Sent: Tuesday, January 19, 2016 12:23 PM
To: MSP-EOC-MDARD; Brown, Melanie (DEQ); Banner, Shanon (MSP)
Cc: Eisner, Jennifer (DHHS); Walker, Sandra (MDARD)
Subject: RE: please review -

It's my understanding the local health department determines what is considered an approved source. They, along with DEQ, test at the source. MDARD inspects the facilities bottling in Michigan, but does not routinely test the final bottled product. If we do take a sample, we don't test for lead. We're looking for bacteria and pathogens. I don't know about those companies bottling water outside the state of Michigan.

Also, I am not clear on the issue with a specific product/manufacturer.

The statement reads a little bureaucratic to me. Suggestions below.

As a few residents have raised concerns about lead possibly being in bottled or canned water, we are expeditiously testing the bottled and canned water to ensure it is lead free. Additionally, we have taken the extra steps to hold back product bearing similar product codes until the test results come back. We will also, out an abundance of caution, we will be testing batches of all new bottled water coming in to the distribution sites and working in partnership with the manufacturer to assure product integrity.

Jen

From: MSP-EOC-MDARD
Sent: Tuesday, January 19, 2016 11:00 AM

To: Brown, Melanie (DEQ); Banner, Shanon (MSP)
Cc: Holton, Jennifer (MDARD); Eisner, Jennifer (DHHS)
Subject: RE: please review -

Jen, and all,

I can confirm that the DEQ stated that they would be testing the bottled water identified out of an abundance of caution.

From conversations here it appears that the testing device that is used by the public does not detect lead directly but looks for total dissolved solids (TDS). TDS is acceptable in Drinking water as it gives water taste versus the flat taste of distilled water.

MDARD does sample bottled water during our inspection of the bottlers during our normal operations. Let me know if you have any additional questions and I will try to answer the questions as best I can.

Byron Beerbower
State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

From: Brown, Melanie (DEQ)
Sent: Tuesday, January 19, 2016 10:53 AM
To: Banner, Shanon (MSP)
Cc: Holton, Jennifer (MDARD); Eisner, Jennifer (DHHS); MSP-EOC-MDARD
Subject: Re: please review -

Jen - stop over re bottled water

On Jan 19, 2016, at 9:39 AM, Banner, Shanon (MSP) <BannerS@michigan.gov> wrote:

> Do we have anything we can send to 211 yet? They are looking to us for what they can tell callers. Also, the draft statement doesn't say if there is someplace they should take this water if they have it? I think we need to add that info.
>
> Thanks!
>
> Sent from my iPad
>
> On Jan 18, 2016, at 9:20 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:
>
> > DEQ is doing the testing
> >
> > On Jan 18, 2016, at 9:15 PM, Holton, Jennifer (MDARD) <holtonj@michigan.gov> wrote:
> >
> > > I can't confirm this as I am not sure bottled water testing falls to us.
> > > Looping in our EOC rep and food and dairy division director be sure.
> > >
> > > Sent from my iPhone

On Jan 18, 2016, at 8:44 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:

Jen H and Shannon -- please review.
Jen E – FYI

In short, we need to vet the below message to provide to 2-1-1 operators who get inquiries from residents…
Food and drink being an MDARD issue, I took the liberty of drafting for you – but am now turning this statement over to you for your MDARD magic.
Upon approval by MDARD, Shannon can send to MSP Command for final vet and go for dissemination to 2-1-1.

Call me with any questions
Thanks
Mel.

From: Brown, Melanie (DEQ)
Sent: Monday, January 18, 2016 8:36 PM
To: Creagh, Keith (DEQ)
Cc: Krisztian, George (DEQ)
Subject: RE: please review -

A few residents have raised concerns about lead being present in the bottled and canned water that is being distributed through the water distribution sites. We take every concern seriously therefore we are expeditiously testing the bottled and canned water to ensure it is lead free. In the meantime, we have held back the product bearing similar product codes while we test. To assure incoming product is lead free, we will begin testing batches of new product and are working with the manufacturer to assure product integrity moving forward.

MSP-EOC-MDARD

From: Governor's Office <governorsoffice@govsubscriptions.michigan.gov>
Sent: Tuesday, January 19, 2016 12:58 PM
To: MSP-EOC-MDARD
Subject: [CORRECTION] TONIGHT AT 7:00: The State of the State

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LIVE at 7:00 Governor Rick Snyder's 2016 State of the State address

Tonight at 7 PM, Governor Snyder delivers his sixth State of the State address from the Capitol Building. His speech will be aired live on public TV, public radio and on this livestream.

Watch tonight as the Governor addresses how Michigan can solve its most significant challenges.

Visit www.mi.gov/StateOfTheState and use the hashtag #MISOTS16 to join the conversation online.

Do you have Twitter? Help spread the news about the State of the State. Click here to tweet this:

Tune in tonight! @OneToughNerd delivers his 6th State of the State address at 7 PM. Watch live at www.mi.gov/StateOfTheState #MISOTS16

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This email was sent to msp-eoc-mdard@michigan.gov on behalf of: The Executive Office of the Governor · 111 South Capitol Avenue · Lansing, MI 48909 · 517-335-7858

MSP-EOC-MDARD

From: Governor's Office <governorsoffice@govsubscriptions.michigan.gov>
Sent: Tuesday, January 19, 2016 12:33 PM
To: MSP-EOC-MDARD
Subject: TONIGHT AT 7:30: The State of the State

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LIVE at 7:30 Governor Rick Snyder's 2016 State of the State address

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STAY CONNECTED.

SUBSCRIBER SERVICES:
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This email was sent to msp-eoc-mdard@michigan.gov on behalf of: The Executive Office of the Governor · 111 South Capitol Avenue · Lansing, MI 48909 517-335-7858

MSP-EOC-MDARD

From: Holton, Jennifer (MDARD)
Sent: Tuesday, January 19, 2016 12:27 PM
To: Walker, Sandra (MDARD); MSP-EOC-MDARD; Wenk, Gordon (MDARD)
Subject: FW: Meter understanding

See note below. Assuming this is what precipitated the question.

Jen

From: Brown, Melanie (DEQ)
Sent: Tuesday, January 19, 2016 11:01 AM
To: Krisztian, George (DEQ); Banner, Shanon (MSP); Tommasulo, Karen (DEQ); Holton, Jennifer (MDARD)
Subject: Fwd: Meter understanding

Begin forwarded message:

> **From:** MSP-EOC-MDEQ <MSP-EOC-MDEQ@michigan.gov>
> **Date:** January 19, 2016 at 9:36:02 AM EST
> **To:** "Brown, Melanie (DEQ)" <BrownM45@michigan.gov>, JICManager <JICManager@michigan.gov>, MSP-EOC-MDCH <MSP-EOC-MDCH@michigan.gov>, MSP-seoclgc <MSP-seoclgc@michigan.gov>, MSP-SEOCOPSC <MSP-SEOCOPSC@michigan.gov>
> **Subject: FW: Meter understanding**
>
> FYI
>
> -----Original Message-----
> From: Tony Petruzzi [mailto:apetruzzi@zerowater.com]
> Sent: Tuesday, January 19, 2016 9:13 AM
> To: MSP-EOC-MDEQ; Doug Kellam
> Cc: Koran Peterson
> Subject: RE: Meter understanding
>
> Jen:
> Good morning, I sent you a text message earlier with an update to the confusion and a solution with regards to the TDS meter enclosed with our products.
>
> For product, we will prepare a message (either outside the carton or attached to the meter itself) with an abbreviated version of the following communication to help clarify how the meter is used.
>
> Flint Resident:
> The TDS meter (Total Dissolved Solids) is NOT intended to measure Lead levels in your water. The meter is not sensitive enough to determine maximum safe lead levels, but only

TOTAL dissolved solids, which will
largely effect taste. The Zerowater filter WILL reduce lead to a safe
level as long as it is not used past maximum capacity. Please test your
water regularly with the meter and change your filter when the meter reads
006 or higher.

I have also copied our customer service department for consistency in their response (use the above language) should they receive any additional calls; they will also reach out to the (2) customers below.

Sincerely,
Tony Petruzzi

-----Original Message-----
From: MSP-EOC-MDEQ [mailto:MSP-EOC-MDEQ@michigan.gov]
Sent: Tuesday, January 19, 2016 9:01 AM
To: Doug Kellam <dkellam@zerowater.com>; Tony Petruzzi <apetruzzi@zerowater.com>
Subject: RE: Meter understanding

The two customers are Dianna Dunaway and Ruth Torres

-----Original Message-----
From: Doug Kellam [mailto:dkellam@zerowater.com]
Sent: Tuesday, January 19, 2016 8:50 AM
To: MSP-EOC-MDEQ; Tony Petruzzi
Subject: Meter understanding

Thanks Jen

Tony, here is Jen's email. She is with the EOC distributing filters and water. Please keep her up to date while I'm traveling this morning. She has some customer info we need to get to DPS right away.

Also can you please email her the note/script I sent this morning...once you've looked it over. Thanks.

Sent from my iPhone

MSP-EOC-MDARD

From: Holton, Jennifer (MDARD)
Sent: Tuesday, January 19, 2016 12:04 PM
To: MSP-EOC-MDARD
Cc: Brown, Melanie (DEQ); Banner, Shanon (MSP); Eisner, Jennifer (DHHS); Walker, Sandra (MDARD)
Subject: Re: please review -

My understanding is that local health departments determine what is considered an approved source. They, along with DEQ, test at the source. We inspect the processing facilities. But, we don't routinely test the final bottled product processed in Michigan. As an aside, when we do sample, we don't test for lead. We would be looking for bacteria or pathogens.

Can't speak to all bottled water, especially if it's not bottled in Michigan.

The statement reads very bureaucratic to me.

Jen

Sent from my iPhone

On Jan 19, 2016, at 11:00 AM, MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov> wrote:

> Jen, and all,
>
> I can confirm that the DEQ stated that they would be testing the bottled water identified out of an abundance of caution.
>
> From conversations here it appears that the testing device that is used by the public does not detect lead directly but looks for total dissolved solids (TDS). TDS is acceptable in Drinking water as it gives water taste versus the flat taste of distilled water.
>
> MDARD does sample bottled water during our inspection of the bottlers during our normal operations. Let me know if you have any additional questions and I will try to answer the questions as best I can.
>
> Byron Beerbower
> State Emergency Operations Center
> Michigan Department of Agriculture and Rural Development
> 517-324-2346
> 517-324-2347

From: Brown, Melanie (DEQ)
Sent: Tuesday, January 19, 2016 10:53 AM
To: Banner, Shanon (MSP)
Cc: Holton, Jennifer (MDARD); Eisner, Jennifer (DHHS); MSP-EOC-MDARD
Subject: Re: please review -

Jen - stop over re bottled water

On Jan 19, 2016, at 9:39 AM, Banner, Shanon (MSP) <BannerS@michigan.gov> wrote:

> Do we have anything we can send to 211 yet? They are looking to us for what they can tell callers. Also, the draft statement doesn't say if there is someplace they should take this water if they have it? I think we need to add that info.
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>
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> >
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> > >
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> > >
> > > On Jan 18, 2016, at 8:44 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:
> > >
> > > > Jen H and Shannon – please review.
> > > > Jen E – FYI
> > > >
> > > > In short, we need to vet the below message to provide to 2-1-1 operators who get inquiries from residents...
> > > > Food and drink being an MDARD issue, I took the liberty of drafting for you – but am now turning this statement over to you for your MDARD magic.
> > > > Upon approval by MDARD, Shannon can send to MSP Command for final vet and go for dissemination to 2-1-1.

Call me with any questions
Thanks
Mel.

From: Brown, Melanie (DEQ)
Sent: Monday, January 18, 2016 8:36 PM
To: Creagh, Keith (DEQ)
Cc: Krisztian, George (DEQ)
Subject: RE: please review -

A few residents have raised concerns about lead being present in the bottled and canned water that is being distributed through the water distribution sites. We take every concern seriously therefore we are expeditiously testing the bottled and canned water to ensure it is lead free. In the meantime, we have held back the product bearing similar product codes while we test. To assure incoming product is lead free, we will begin testing batches of new product and are working with the manufacturer to assure product integrity moving forward.

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Tuesday, January 19, 2016 10:22 AM
To: Joseph, Lisa J.
Cc: MSP-EOC-MDARD; Beerbower, Byron (MDARD)
Subject: RE: hot bed map?
Attachments: MDARD_FoodEstablishments_kriging.pdf; High & Medium Risk Establishments on Flint Water.xlsx

This is the map that was generated by one of the researchers and is from a published paper, with the MDARD Food establishments as an overlay.
Byron is in the State EOC today.

Our tech folks developed the attached - a list of the establishments that are in the High (Red) and Medium (Orange) zones from the map that was generated for us.

From: Joseph, Lisa J. [mailto:Lisa.Joseph@fda.hhs.gov]
Sent: Tuesday, January 19, 2016 9:35 AM
To: Deacon, Brad (MDARD)
Subject: hot bed map?
Importance: High

Brad,
You mentioned that you had an overlay may showing where the higher levels of lead were found through testing, and that MDARD would be focusing on the food firms in those areas to start. A few follow-up questions:

1) Do you have a map showing the geographical area that received water from the Flint River? We've been using firms in Flint proper... are there any outside of the city?
2) Is Donlan Fisheries (3116 Corunna, Flint, MI) or inside one of these hotbeds? Could you pass along the map?
3) Nothing new on our end (yet).

Let me know if there's anything we can do to help,
Lisa

Lisa J. Joseph

Emergency Response Coordinator
U.S. Food and Drug Administration
Detroit District Office
300 River Place Dr., Ste. 5900
Detroit, MI 48207
✉: lisa.joseph@fda.hhs.gov
☎: 313.393.8169
🖷: 313.393.8139

This information is for official use only. As an FDA commissioned official, you must maintain the confidentiality of this material unless and until FDA determines that the information may be released to the public, and gives you written permission to disclose the information. You may share this material only with members of your staff who hold FDA commissions specifying that they can receive and review official FDA documents. Divulging this material to others is not

permitted. If you wish to share this information with individuals other than those just described, please contact the Director of FDA's Office of Partnerships, for the appropriate procedures (OP-ORA@fda.hhs.gov@fda.hhs.gov).

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MSP-EOC-MDARD

From: Tederington, Thomas (MDARD)
Sent: Tuesday, January 19, 2016 10:02 AM
To: MSP-EOC-MDARD; Walker, Sandra (MDARD); Hainstock, Lisa (MDARD); Tilden, John (MDARD)
Cc: Deacon, Brad (MDARD); Bizoukas, Patricia (MDARD)
Subject: RE:

The address on this document is wrong. I looked it up and I want to verify that the DHHS is actually located at 4809 Clio Road, Flint, MI 48504.

Thanks,

Tom Tederington
East Region Food Supervisor
Michigan Department of Agriculture and Rural Development
Food and Dairy Division
P: 517-657-2066
Cell: 517-749-5849
E: TederingtonT@Michigan.gov

From: MSP-EOC-MDARD
Sent: Tuesday, January 19, 2016 9:25 AM
To: Walker, Sandra (MDARD) <walkers9@michigan.gov>; Hainstock, Lisa (MDARD) <hainstockl@michigan.gov>; Tilden, John (MDARD) <tildenj@michigan.gov>; Tederington, Thomas (MDARD) <tederingtont@michigan.gov>
Cc: Deacon, Brad (MDARD) <deaconb9@michigan.gov>
Subject:

Lisa, John and Tom,

Please review attached for location and directions on accessing the meeting room for the Just In Time training.

If you have any additional questions please let me know.

Byron Beerbower
State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

MSP-EOC-MDARD

From: Holton, Jennifer (MDARD)
Sent: Tuesday, January 19, 2016 9:41 AM
To: Besey, Kevin (MDARD); Walker, Sandra (MDARD); Deacon, Brad (MDARD); MSP-EOC-MDARD
Subject: Fwd: please review -

Please see thread below.

Sent from my iPhone

Begin forwarded message:

> **From:** "Banner, Shanon (MSP)" <BannerS@michigan.gov>
> **Date:** January 19, 2016 at 9:38:35 AM EST
> **To:** "Brown, Melanie (DEQ)" <BrownM45@michigan.gov>
> **Cc:** "Holton, Jennifer (MDARD)" <holtonj@michigan.gov>, "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>, MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
> **Subject: Re: please review -**
>
> Do we have anything we can send to 211 yet? They are looking to us for what they can tell callers. Also, the draft statement doesn't say if there is someplace they should take this water if they have it? I think we need to add that info.
>
> Thanks!
>
> Sent from my iPad
>
> On Jan 18, 2016, at 9:20 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:
>
> > DEQ is doing the testing
> >
> > On Jan 18, 2016, at 9:15 PM, Holton, Jennifer (MDARD) <holtonj@michigan.gov> wrote:
> >
> > > I can't confirm this as I am not sure bottled water testing falls to us.
> > > Looping in our EOC rep and food and dairy division director be sure.
> > >
> > > Sent from my iPhone
> > >
> > > On Jan 18, 2016, at 8:44 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:
> > >
> > > > Jen H and Shannon – please review.
> > > > Jen E – FYI
> > > >
> > > > In short, we need to vet the below message to provide to 2-1-1 operators who get inquiries from residents...

Food and drink being an MDARD issue, I took the liberty of drafting for you – but am now turning this statement over to you for your MDARD magic.
Upon approval by MDARD, Shannon can send to MSP Command for final vet and go for dissemination to 2-1-1.

Call me with any questions
Thanks
Mel.

From: Brown, Melanie (DEQ)
Sent: Monday, January 18, 2016 8:36 PM
To: Creagh, Keith (DEQ)
Cc: Krisztian, George (DEQ)
Subject: RE: please review -

A few residents have raised concerns about lead being present in the bottled and canned water that is being distributed through the water distribution sites. We take every concern seriously therefore we are expeditiously testing the bottled and canned water to ensure it is lead free. In the meantime, we have held back the product bearing similar product codes while we test. To assure incoming product is lead free, we will begin testing batches of new product and are working with the manufacturer to assure product integrity moving forward.

MSP-EOC-MDARD

From: Banner, Shanon (MSP)
Sent: Tuesday, January 19, 2016 9:39 AM
To: Brown, Melanie (DEQ)
Cc: Holton, Jennifer (MDARD); Eisner, Jennifer (DHHS); MSP-EOC-MDARD
Subject: Re: please review -

Do we have anything we can send to 211 yet? They are looking to us for what they can tell callers. Also, the draft statement doesn't say if there is someplace they should take this water if they have it? I think we need to add that info.

Thanks!

Sent from my iPad

On Jan 18, 2016, at 9:20 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:

> DEQ is doing the testing
>
> On Jan 18, 2016, at 9:15 PM, Holton, Jennifer (MDARD) <holtonj@michigan.gov> wrote:
>
> > I can't confirm this as I am not sure bottled water testing falls to us. Looping in our EOC rep and food and dairy division director be sure.
> >
> > Sent from my iPhone
> >
> > On Jan 18, 2016, at 8:44 PM, Brown, Melanie (DEQ) <BrownM45@michigan.gov> wrote:
> >
> > > Jen H and Shannon – please review.
> > > Jen E – FYI
> > >
> > > In short, we need to vet the below message to provide to 2-1-1 operators who get inquiries from residents…
> > > Food and drink being an MDARD issue, I took the liberty of drafting for you – but am now turning this statement over to you for your MDARD magic.
> > > Upon approval by MDARD, Shannon can send to MSP Command for final vet and go for dissemination to 2-1-1.
> > >
> > > Call me with any questions
> > > Thanks
> > > Mel.
> > >
> > > ---
> > > **From:** Brown, Melanie (DEQ)
> > > **Sent:** Monday, January 18, 2016 8:36 PM
> > > **To:** Creagh, Keith (DEQ)
> > > **Cc:** Krisztian, George (DEQ)
> > > **Subject:** RE: please review -

A few residents have raised concerns about lead being present in the bottled and canned water that is being distributed through the water distribution sites. We take every concern seriously therefore we are expeditiously testing the bottled and canned water to ensure it is lead free. In the meantime, we have held back the product bearing similar product codes while we test. To assure incoming product is lead free, we will begin testing batches of new product and are working with the manufacturer to assure product integrity moving forward.

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MSP-EOC-MDARD

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Tuesday, January 19, 2016 1:56 AM
To: MSP-SEOCGIS2; FEDERALSEOC; Holmes, Virginia (DHHS); Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282@vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mil; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP); Gutierrez, David M.; Gaskill-Clemons, Robert
Subject: For Action: Water Response Team Plan, Tuesday 011816_FINAL
Attachments: DailyPlanningMap_Due7pm_20160118_1947.pdf; Flint Water Response Team Plan for Tuesday 01 19 16_V2.0_FINAL.pdf; Water Response Team Concept of Operations and Support_V2.0_011816.pdf

Good Morning,

Attached is the updated plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Tuesday 01 19 16_V2.0_FINAL
Map with Daily Summary of Distribution Data	All	Daily planning map Due7pm 20160118 1947.pdf
Water Response Concept of Operations and Support	All	Water Response Team Concept of Operations and Support V2.0_011816.pdf

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobile 202.316.3386 | lauren.twohig@redcross.org

MSP-EOC-MDARD

From: Averill, James (MDARD)
Sent: Monday, January 18, 2016 3:06 PM
To: MSP-EOC-MDARD
Subject: RE: Draft for a potential Governor disaster declaration for avian influenza

Brad,

I received a call today from the Genesee Animal Control Shelter veterinarian, Dr. Cathy Anderson. She has been asked to brief their animal control officers for potential questions about Flint Water and pets. She has been to the flint water website and feels there is not enough information there for her to create what I believe are talking points. As I shared with her, be careful and do not incite hysteria, which she agrees.

Went over the need to follow same recommendations in humans is applicable to pets. Make sure family has a filter, instruct them on where to get filters, encourage pet owners to work with their local veterinarian.

I shared we would pay for testing if all other options have been ruled out and samples would be submitted to DCPAH and they would bill us.

In the end she is just looking for an FAQ that Animal Control Officers can use if they get questions. I would assume a similar document exists for the door knocking that is taking place. Is this something the JIC can develop or do we need to go another route?

Thanks,
James

From: MSP-EOC-MDARD
Sent: Monday, January 18, 2016 11:55 AM
To: Manning, Peter (AG) <ManningP@michigan.gov>; Smith, Paul (GOV) <SmithP29@michigan.gov>; Allison-Yokom, Danielle (AG) <AllisonYokomD@michigan.gov>; Phifer, Eileen (MDOT) <PhiferE@michigan.gov>; Kelenske, Chris (MSP) <KelenskeC@michigan.gov>
Cc: Averill, James (MDARD) <averillj1@michigan.gov>; Deacon, Brad (MDARD) <deaconb9@michigan.gov>
Subject: Draft for a potential Governor disaster declaration for avian influenza

Plenty of other issues going on right now, but with Indiana's discovery of highly pathogenic Avian Influenza on Friday (in very southern Indiana) I wanted to get this draft document off the to-do list. I had a law student intern look at prior Michigan disaster declarations as well as those issued last year in Minnesota, Iowa, and Wisconsin during their outbreaks. If we got highly pathogenic avian influenza in our large commercial poultry farms, we'd need assistance from other state agencies and coordination through the State Emergency Operations Center. Livestock disease outbreaks are covered in the Michigan Emergency Management Plan's Animal Care Support Plan. We have made substantial progress in planning for Avian Influenza and this is one more piece to have ready or mostly ready if we need it.

I've done some further editing, and it is a big long – but easier to cut out what isn't needed at the time. One of the big issues the other states had was trucking, so that's included as a starting point. Let me know if you have any questions.

Brad Deacon, Emergency Management Coordinator
Deaconb9@michigan.gov

State Emergency Operations Center

Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

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MSP-EOC-MDARD

From: Phifer, Eileen (MDOT)
Sent: Monday, January 18, 2016 1:23 PM
To: Kelenske, Chris (MSP)
Cc: Smith, Paul (GOV); MSP-EOC-MDARD; Manning, Peter (AG); Allison-Yokom, Danielle (AG); Averill, James (MDARD); Deacon, Brad (MDARD)
Subject: Re: Draft for a potential Governor disaster declaration for avian influenza

Thanks for including MDOT. Based on the draft document, it looks like a designation of specific routes could be needed if this type of incident occurs.

Sent from my iPhone

On Jan 18, 2016, at 12:00 PM, Kelenske, Chris (MSP) <KelenskeC@michigan.gov> wrote:

> Just getting ready. Also, we are tracking flooding potential in Ottawa County. No action needed at this time ... just monitoring.
>
> ---
>
> **From:** Smith, Paul (GOV)
> **Sent:** Monday, January 18, 2016 11:58 AM
> **To:** MSP-EOC-MDARD; Manning, Peter (AG); Allison-Yokom, Danielle (AG); Phifer, Eileen (MDOT); Kelenske, Chris (MSP)
> **Cc:** Averill, James (MDARD); Deacon, Brad (MDARD)
> **Subject:** RE: Draft for a potential Governor disaster declaration for avian influenza
>
> Is something that we are getting ready just in case we need to issue at some future date, or is this a current recommendation to declare a disaster?
>
> ---
>
> **From:** MSP-EOC-MDARD
> **Sent:** Monday, January 18, 2016 11:54 AM
> **To:** Manning, Peter (AG); Smith, Paul (GOV); Allison-Yokom, Danielle (AG); Phifer, Eileen (MDOT); Kelenske, Chris (MSP)
> **Cc:** Averill, James (MDARD); Deacon, Brad (MDARD)
> **Subject:** Draft for a potential Governor disaster declaration for avian influenza
>
> Plenty of other issues going on right now, but with Indiana's discovery of highly pathogenic Avian Influenza on Friday (in very southern Indiana) I wanted to get this draft document off the to-do list. I had a law student intern look at prior Michigan disaster declarations as well as those issued last year in Minnesota, Iowa, and Wisconsin during their outbreaks. If we got highly pathogenic avian influenza in our large commercial poultry farms, we'd need assistance from other state agencies and coordination through the State Emergency Operations Center. Livestock disease outbreaks are covered in the Michigan Emergency Management Plan's Animal Care Support Plan. We have made substantial progress in planning for Avian Influenza and this is one more piece to have ready or mostly ready if we need it.
>
> I've done some further editing, and it is a big long – but easier to cut out what isn't needed at the time. One of the big issues the other states had was trucking, so that's included as a starting point. Let me know if you have any questions.
>
> Brad Deacon, Emergency Management Coordinator

Deaconb9@michigan.gov

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MSP-EOC-MDARD

From: Ducharme, Mark (DEQ)
Sent: Monday, January 18, 2016 10:29 AM
To: MSP-EOC-MDARD; MSP-EOC-MDEQ
Subject: RE: Flint MDARD Sampling

Thank you.

From: MSP-EOC-MDARD
Sent: Monday, January 18, 2016 9:25 AM
To: Ducharme, Mark (DEQ); MSP-EOC-MDEQ
Subject: RE: Flint MDARD Sampling

Retail (Grocery, Convenience, Gas Stations, etc.) and Food Service (Restaurants, Mobile (food trucks)). We've already been to food processors back in October, but they are all receiving our revised notice of the requirements for water.

From: Ducharme, Mark (DEQ)
Sent: Sunday, January 17, 2016 9:02 PM
To: MSP-EOC-MDEQ; MSP-EOC-MDARD
Subject: Flint MDARD Sampling

Can you clarify what/where the MDARD teams will be sampling (e.g. restaurants, food producers, etc.)? The GC EM would like clarification. Thank you.

MSP-EOC-MDARD

From: MSP-EOC-MDCH
Sent: Monday, January 18, 2016 9:21 AM
To: MSP-EOC-MDEQ; MSP-EOC-MDLARA; MSP-EOC-MDARD
Subject: Updated Tactics

Good Morning,

Please let me know if you would like me to update any of your tactics for the ICS 204 submission today. Also, feel free to go in to our objectives and "Add Comments."

Please let me know if you have any questions.

Jennifer

MSP-EOC-MDARD

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Monday, January 18, 2016 3:55 AM
To: Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mi; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: For Action: Water Response Team Plan, Monday 011816_FINAL
Attachments: OGCS_MSP WRT Volunteer Assembly Information V2.0_011816.pdf; Flint Water Response Team Plan for Monday 01 18 16_V2.0_FINAL.PDF; DailyPlanningMap_Due7pm_20160117_1937.pdf

Good Morning,

Attached is the updated plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Monday 01 18 16_V2.0_FINAL
Map with Daily Summary of Distribution Data	All	Daily planning map with Field Teams/PODs data as of 7:37pm 011716
Assembly Information for Volunteer Workforce	Volunteers	OGCS_MSP WRT Volunteer Assembly Information V2.0_011816

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 | Mobile 202.316.3386 | lauren.twohig@redcross.org

MSP-EOC-MDARD

From: Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent: Monday, January 18, 2016 3:48 AM
To: Todd.tillung@fema.dhs.gov; Kendal.session@fema.dhs.gov; Hollaender, Henrik (MSP); Heintzelman Shasta; Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282 @vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mi; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP); RHeath@co.genesee.mi.us
Subject: For Action: Water Response Team Plan, Monday 011816_FINAL
Attachments: DailyPlanningMap_Due7pm_20160117_1937.pdf; OGCS_MSP WRT Volunteer Assembly Information V2.0_011816.pdf; 20160116_Team_Assignment_Areas_Update.jpg; Flint Water Response Team Plan for Monday 01 18 16_V2.0_FINAL.PDF; Water Response Team Concept of Operations and Support_V2.0_011816.pdf

Good Morning,

Attached is the updated plan for today. I've highlighted changes in red.

Please let me know if there are any questions.

Thank you
Lauren

Attachments

Purpose	Audience	File Name
Final WRT Plan	All	Flint Water Response Team Plan for Monday 01 18 16_V2.0_FINAL
Map with Daily Summary of Distribution Data	All	Daily planning map with Field Teams/PODs data as of 7:37pm 011716
Assembly Information for Volunteer Workforce	Volunteers	OGCS_MSP WRT Volunteer Assembly Information V2.0_011816
Team Assignment Areas	All	20160116_Team_Assignment_Areas_Update.jpg
Concept of Operations and Support	All	Water Response Team Concept of Operations and Support_V2.0_011816.pdf

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobile 202.316.3386 | lauren.twohig@redcross.org

MSP-EOC-MDARD

From: Governor's Office <governorsoffice@govsubscriptions.michigan.gov>
Sent: Sunday, January 17, 2016 7:02 PM
To: MSP-EOC-MDARD
Subject: Tune in Tuesday!

HOME | NEWSROOM | BLOG | CONTACTS | FACEBOOK | TWITTER | INSTAGRAM

WATCH: Governor Rick Snyder's 2016 State of the State address

Tune in on Tuesday, January 19 at 7 PM as Governor Snyder delivers his sixth State of the State address. We should be proud of our accomplishments, but we are still faced with significant challenges today that we must address.

Watch Tuesday night as the Governor highlights how– together– we can continue Michigan's reinvention.

Visit www.mi.gov/StateOfTheState and use the hashtag #MISOTS16 to join the conversation online.

WWW.MI.GOV/STATEOFTHESTATE

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This email was sent to msp-eoc-mdard@michigan.gov on behalf of: The Executive Office of the Governor · 111 South Capitol Avenue · Lansing, MI 48909 · 517-335-7858

MSP-EOC-MDARD

From: Clover Adams, Jamie (MDARD)
Sent: Sunday, January 17, 2016 2:47 PM
To: MSP-EOC-MDARD
Subject: Re: Today's Update

Thank you Brad for this and all your work to assist in this effort.

-------- Original Message --------
From: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
Date: Sat, January 16, 2016 4:52 PM -0500
To: "Clover Adams, Jamie (MDARD)" <CloveradamsJ@michigan.gov>, "Wenk, Gordon (MDARD)" <wenkg@michigan.gov>, "Blakely, Matthew (MDARD)" <BlakelyM1@michigan.gov>, "Tyszkiewicz, Maria (MDARD)" <TyszkiewiczM@michigan.gov>, "Anastor, Peter (MDARD)" <AnastorP@michigan.gov>, "Nyquist, Nancy (MDARD)" <nyquistn@michigan.gov>, "Besey, Kevin (MDARD)" <beseyk@michigan.gov>, "Walker, Sandra (MDARD)" <walkers9@michigan.gov>, "Tederington, Thomas (MDARD)" <tederingtont@michigan.gov>, "Beerbower, Byron (MDARD)" <beerbowerb@michigan.gov>, "Averill, James (MDARD)" <averillj1@michigan.gov>, "Johnson, James (MDARD)" <johnsonj9@michigan.gov>, "Alessandri, Gina (MDARD)" <AlessandriG@michigan.gov>, "Holton, Jennifer (MDARD)" <holtonj@michigan.gov>, "Throne, Heather (MDARD)" <ThroneH@michigan.gov>
Subject: Today's Update

This is what I provided for today's Situation Report: Primary activities today: coordination with FDA Detroit District on their and MDARD's upcoming activities related to food, inquiry into a possible animal facility requiring follow up; draft of a document outlining federal resources that may be available to assist with broader recovery issues.

I talked with Lisa Joseph of FDA Detroit District, who said FDA is planning to conduct inspections at 5 watering points at Flint Bishop Airport starting on Tuesday, 1/19/15. They also plan to conduct a seafood HACCP inspection on Donlan Fisheries to determine the status of their water use (they were using municipal water in October and had not yet received a filter) to process seafood/make ice, and they will let us know. I confirmed that she had our updated Requirements documents and shared what our plans are for this coming week.

Confirmed that one of the locations in USA Herds with a Flint address appears to be in an area served by City water; though the premise is listed as inactive in our database, Animal Industry will visit the location to check status.

Started a Resource Document – State Emergency Operations Center wants a document containing applicable potential resources available for long term recovery; SEOC has requested this back by COB Tuesday (Peter, Nancy, and Maria – need you to review/edit/add to by 4pm Tuesday). I only included some USDA grants/loans info I could find. If there's more please add.

With the Governor's request for a federal Emergency Declaration approved, FEMA's Incident Mgmt Team will be coming in tonight / tomorrow and will be looking to coordinate with state agencies. Byron Beerbower has agreed to come in for Sunday morning, and afternoon if necessary; I will be available by phone and be back in the SEOC Monday.

FDD asked for a resource request for a meeting place for Wednesday for training on water sampling; it has not been submitted since we need more details (start time, how long we need the room for, etc.)

Provided an update to the SEOC on Indiana's HPAI outbreak.

Brad Deacon
State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346

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MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Sunday, January 17, 2016 8:59 AM
To: Beerbower, Byron (MDARD); MSP-EOC-MDARD
Subject: Fwd: Options for staging area in Flint for FDD staff - equipment storage and meeting space

This is something to work on with Logistics

Sent from my iPhone

Begin forwarded message:

> **From:** "Tederington, Thomas (MDARD)" <tederingtont@michigan.gov>
> **Date:** January 16, 2016 at 7:43:31 PM EST
> **To:** "Deacon, Brad (MDARD)" <deaconb9@michigan.gov>
> **Cc:** "Tilden, John (MDARD)" <tildenj@michigan.gov>, "Dunleavy, Sean (MDARD)" <dunleavys@michigan.gov>, "Walker, Sandra (MDARD)" <walkers9@michigan.gov>, "Hainstock, Lisa (MDARD)" <hainstockl@michigan.gov>
> **Subject: Re: Options for staging area in Flint for FDD staff - equipment storage and meeting space**
>
> Anywhere in Flint is fine. 9a-12p.
>
> Sent from my iPhone
>
> On Jan 16, 2016, at 10:05 AM, Deacon, Brad (MDARD) <deaconb9@michigan.gov> wrote:
>
> > Timeframe?
> >
> > 8am - noon? Anywhere in the Flint area?
>
> ---
>
> **From:** Tederington, Thomas (MDARD)
> **Sent:** Friday, January 15, 2016 6:32 PM
> **To:** Deacon, Brad (MDARD)
> **Cc:** Tilden, John (MDARD); Dunleavy, Sean (MDARD); Walker, Sandra (MDARD); *Hainstock, Lisa (MDARD)*
> **Subject:** Re: Options for staging area in Flint for FDD staff - equipment storage and meeting space
>
> Brad,
> For our "just in time training" we need room for approximately 16 people. We can get by with very little accommodations. We would like to conduct the training on January 20.

Sent from my iPhone

On Jan 15, 2016, at 5:20 PM, Deacon, Brad (MDARD) <deaconb9@michigan.gov> wrote:

> How big an area do we need? There are already areas set up for receiving sample kits.
> But yes, if we have a need let me /SEOC rep know.
>
> Sent from my iPhone
>
> On Jan 15, 2016, at 5:03 PM, "Tilden, John (MDARD)" <tildenj@michigan.gov> wrote:
>
> > FYI – I talked with Jim Koval over at MDHHS who indicated:
> >
> > - Genesee County Health Dept staff will be on furlough until Tuesday January 19th
> > - The Emergency Preparedness coordinator at Genesee County Health Dept knows her stuff and is very good. Likely would be a good operational contact – she often is in their EOC
> >
> > o April Swartout
> > 630 South Saginaw Street
> > Flint, MI 48502
> >
> > o E: aswartout@gchd.us
> > o T: (810) 424-4441
> > o F: (810) 257-3147
> >
> > Looks like making a request through the SEOC (Brad Deacon) for assistance for identifying appropriate space for a FDD staging area might be our best option.
> >
> > John D. Tilden Jr., DVM MPH
> > Food and Dairy Division
> > Michigan Department of Ag.and Rural Development
> > P.O. Box 30017
> > Lansing, Michigan 48909
> > Office Phone: 517-284-5711
> >
> > <Genesse LHD Emergency Prep Coodinator Info.PNG>

MSP-EOC-MDARD

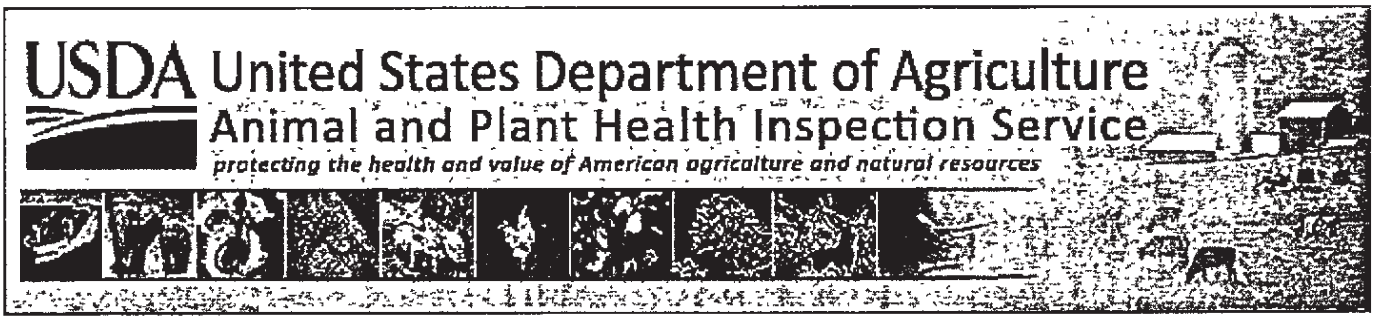
From: Deacon, Brad (MDARD)
Sent: Sunday, January 17, 2016 8:57 AM
To: Beerbower, Byron (MDARD)
Cc: MSP-EOC-MDARD
Subject: Fwd: Additional H7 Avian Influenza Cases Found in Indiana

I don't think you need to bring this up in the briefing but FYI

Sent from my iPhone

Begin forwarded message:

> From: "Averill, James (MDARD)" <averilj1@michigan.gov>
> Date: January 16, 2016 at 6:24:56 PM EST
> To: MDA-AID <MDA-AID@michigan.gov>
> Cc: "Deacon, Brad (MDARD)" <deaconb9@michigan.gov>, "Holton, Jennifer (MDARD)" <holtonj@michigan.gov>, "Blakely, Matthew (MDARD)" <BlakelyM1@michigan.gov>, "Wenk, Gordon (MDARD)" <wenkg@michigan.gov>, "Clover Adams, Jamie (MDARD)" <CloveradamsJ@michigan.gov>
> Subject: Fwd: Additional H7 Avian Influenza Cases Found in Indiana
>
> AID Staff
>
> To keep you all updated on avian influenza in Indiana below is a press release from USDA. There are more cases and demonstrates the importance of Biosecurity. We will keep you informed as the situation evolves.
>
> James
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > From: APHIS Stakeholder Registry <aphis@subscribers.usda.gov>
> > Date: January 16, 2016 at 6:01:26 PM EST
> > To: <averilj1@michigan.gov>
> > Subject: Additional H7 Avian Influenza Cases Found in Indiana
> > Reply-To: <aphis@subscribers.usda.gov>



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Cases Found Through Surveillance Testing in Initial Control Area

WASHINGTON, January 16, 2016 -- The United States Department of Agriculture's (USDA) Animal and Plant Health Inspection Service (APHIS) has confirmed the presence of H7 avian influenza in 9 flocks in southwestern Indiana. These new cases were identified as part of surveillance testing in the control area surrounding the initial highly pathogenic avian influenza (HPAI) case. Testing is currently ongoing at the National Veterinary Services Laboratories in Ames, Iowa to determine the pathogenicity of these new cases.

No cases of HPAI H7N8 virus infection have been reported in humans at this time, and no human infections associated with avian influenza A viruses of this particular subtype (i.e., H7N8) have ever been reported. As a reminder, the proper handling and cooking of poultry and eggs to an internal temperature of 165 °F kills bacteria and viruses, including HPAI.

APHIS continues to work closely with the Indiana State Board of Animal Health on a joint incident response. State officials quarantined the affected premises and depopulation of birds on the affected premise has already begun. Depopulation prevents the spread of the disease. Birds from the flock will not enter the food system.

As part of existing avian influenza response plans, Federal and State partners continue to work on additional surveillance and testing in the nearby area. The rapid testing and response in this incident is the result of months of planning with local, state, federal and industry partners to ensure the most efficient and effective coordination. Since the previous HPAI detections in 2015, APHIS and its state and industry partners have learned valuable lessons to help implement stronger preparedness and response capabilities. In September, APHIS published a HPAI Preparedness and Response Plan that captures the results of this planning effort, organizing information on preparatory activities, policy decisions and updated strategy documents.

The United States has the strongest AI surveillance program in the world, and USDA is working with its partners to actively look for the disease in commercial poultry operations, live bird markets and in migratory wild bird populations.

Anyone involved with poultry production, from the small backyard to the large commercial producer, should review their biosecurity activities to assure the health of their birds. To facilitate such a review, a biosecurity self-assessment and educational materials can be found at http://www.uspoultry.org/animal_husbandry/intro.cfm.

In addition to practicing good biosecurity, all bird owners should prevent contact between their birds and wild birds and report sick birds or unusual bird deaths to State/Federal officials, either through their state veterinarian or through USDA's toll-free number at 1-866-536-7593. Additional information on biosecurity for backyard flocks can be found at http://healthybirds.aphis.usda.gov.

Additional background

Avian influenza (AI) is caused by an influenza type A virus which can infect poultry (such as chickens, turkeys, pheasants, quail, domestic ducks, geese and guinea fowl) and is carried by free flying waterfowl such as ducks, geese and shorebirds. AI viruses are classified by a combination of two groups of proteins: hemagglutinin or "H" proteins, of which there are 16 (H1–H16), and neuraminidase or "N" proteins, of which there are 9 (N1–N9). Many different combinations of "H" and "N" proteins are possible. Each combination is considered a different subtype, and can be further broken down into different strains. AI viruses are further classified by their pathogenicity (low or high)— the ability of a particular virus strain to produce disease in domestic chickens.

#

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MSP-EOC-MDARD

From:	Twohig, Lauren <Lauren.Twohig@redcross.org>
Sent:	Sunday, January 17, 2016 2:46 AM
To:	Eickholt, Jay (MSP); Kuzera, Michelle (MSP); 9066304282@vzwpix.com; Dehner, Amy (MSP); Kish, Thomas (MSP); MSP-SEOCOPSC; jason.gamble@fema.dhs.gov; Thelen, Richard (DHHS); MSP-EOC-MDHS; MSP-EOC-MDCH; MSP-seoclgc; MSP-SEOC11; MSP-seocfgc; MSP-EOC-MDCIVILR; Wolf, Jennifer (DNR); MSP-EOC-MDEQ; MSP-EOC-MDCORTNS; MSP-EOC-MDLARA; plangc; MSP-seocda2; MSP-seocda1; MSP-EOC-MDARD; MSP-EOC-MDTMB; MSP-EOC-MDEDUCTN; MSP-EOCmdsp@michigan.gov; Johnson, Michael (MSP); Bolger, Matt (MSP); MSP-SEOC5; FEDERALSEOC; Ng.mi.miarng.list.jocjfhqstaffonly@mail.mi; Scott-Fitzgerald, Shawn M.; Gaskill-Clemons, Robert; Spata, Paul; Twohig, Lauren; Hunter, Janet (DHHS); Veeser, Chad (DHHS); Kelenske, Chris (MSP); Katarsky, Anthony (MSP); Gutierrez, David M.; MSP-SEOCGIS; MSP-SEOCGIS2
Subject:	For Action: Water Response Team Plan, Sunday 011716_FINAL
Attachments:	Water Response Team Concept of Operations and Support_V2.0_01172016.pdf; Flint Water Response Team Plan for Sunday 01 17 16_2 0_FINAL.pdf

Good Morning,

Please see attached for today's Water Response Team (WRT)Plan and Version 2.0 of the WRT Concept of Support and Operations.

Please disseminate as necessary.

Thank you
Lauren

Lauren Twohig | Director, Response Services | Disaster Cycle Services | American Red Cross National Headquarters | 2025 E Street NW | Washington, D.C. 20006 | Direct 202.303.8153 |
Mobile 202.316.3386 | lauren.twohig@redcross.org

MSP-EOC-MDARD

From: MSP-EOC-MDCH
Sent: Saturday, January 16, 2016 3:52 PM
To: MSP-EOC-MDARD
Subject: RE: Sat activities

Thanks!

From: MSP-EOC-MDARD
Sent: Saturday, January 16, 2016 3:45 PM
To: MSP-EOC-MDCH
Subject: Sat activities

This is what I put into my Situation Report
Primary activities today: coordination with FDA Detroit District on their and MDARD's upcoming activities related to food, inquiry into a possible animal facility requiring follow up; draft of a document outlining federal resources that may be available to assist with broader recovery issues.

State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

MSP-EOC-MDARD

From: MSP-SEOC5
Sent: Saturday, January 16, 2016 11:21 AM
To: MSP-seocfgc; MSP-EOC-MDARD; MSP-EOC-MDCH; MSP-EOC-MDHS; MSP-EOC-MDLARA; MSP-EOC-MDEDUCTN; Deacon, Brad (MDARD); Burgess, Louis (MDE); Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Gensler, Alesha (LARA); Burger, Penelope (MSP)
Cc: MSP-SEOCOPSC; Briggs, Brianna (MSP)
Subject: ACTION: Potential Assistance Programs
Attachments: non_stafford_act_recovery_guide.pdf

State Emergency Management Coordinators:

We are in need of any research you have compiled for the below request no later than close of business Tuesday, January 19.

This information shall be submitted to Brianna Briggs, the Recovery Branch Chief, at briggsb3@michigan.gov.

Thank you!

From: MSP-SEOC5
Sent: Friday, January 08, 2016 2:01 PM
To: MSP-seocfgc; MSP-EOC-MDAGING; MSP-EOC-MDARD; MSP-EOC-MDCH; MSP-EOC-MDHS; MSP-EOC-MDEQ; MSP-EOC-MDLARA; MSP-EOC-MDEDUCTN; Betterly, Steve (DHHS); Deacon, Brad (MDARD); Burgess, Louis (MDE); Wolf, Jennifer (DNR); Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Gensler, Alesha (LARA); Burger, Penelope (MSP); Feldpausch, Lynne (MEDC)
Cc: MSP-SEOCOPSC
Subject: Potential Assistance Programs

State Emergency Management Coordinator:

As discussed in this morning's briefing, your agency has been identified to research potential assistance programs (private, state, federal, etc.) that may be available to address the short- and long-term recovery needs in response to the Flint water incident. Earl Zuelke, FEMA Long-Term Recovery, has made contact with some federal agencies to assist with this research. Feel free to touch base with him in the SEOC.

Attached is a copy of the Non-Stafford Act Recovery Guide. Appendix 2 (pg. 24-26) provides a list of some potential federal programs. This list is **not** all-encompassing; however, it will provide a starting point if any of these programs may apply to the response and recovery for this incident.

Provide the following information, *at a minimum*, on potential assistance programs for individuals and/or government support in response to this incident:

- Program Name
- Agency Responsible for program
- Point of Contact
- Type of Support (Individual or Government)
- Eligibility Guidelines
- *Benefits Available*
- Application Process

This information shall be submitted to Brianna Briggs, the Recovery Branch Chief, at briggsb3@michigan.gov by **COB Friday, January 15.**

Let Brianna (cell phone below) know if you have any questions on this request.

Thank you,

Brianna Briggs
Recovery Branch Director
517-290-2949

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MSP-EOC-MDARD

From: Averill, James (MDARD)
Sent: Saturday, January 16, 2016 10:30 AM
To: Deacon, Brad (MDARD); Frank, Nancy (MDARD); Bowes, James (MDARD); Goodrich, Jarold (MDARD)
Cc: MSP-EOC-MDARD; Clover Adams, Jamie (MDARD)
Subject: RE: Updates - Water

We will get a field staff person to visit the address.

Thanks,
James

From: Deacon, Brad (MDARD)
Sent: Saturday, January 16, 2016 10:29 AM
To: Frank, Nancy (MDARD) <frankn@michigan.gov>; Averill, James (MDARD) <averillj1@michigan.gov>; Bowes, James (MDARD) <Bowesj@michigan.gov>; Goodrich, Jarold (MDARD) <goodrichj@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>; Clover Adams, Jamie (MDARD) <CloveradamsJ@michigan.gov>
Subject: Re: Updates - Water

AID - I've heard back from the GIS staff at the State Emergency Operations Center about the five premises in our livestock database with Flint addresses. They indicate that only one is in the Flint water service zone, the one on our list as "inactive" - Joann
(Neither Dr. Smith nor Dr. Vanderklok were able to reach anyone at that number).
Could AID put this into an assignment for a field staff visit to check conditions on the ground?
thanks - please let me / whoever is in the SEOC know what happens.
Brad

From: Frank, Nancy (MDARD)
Sent: Friday, January 15, 2016 3:36 PM
To: Deacon, Brad (MDARD)
Cc: Sprague, Megan (MDARD)
Subject: Updates - Water and Birds

Hi, Brad.

We are working diligently on Indiana HPAI related activities this afternoon. We are sending out communications to AID staff, MAPI,
MSU-E, and all Michigan veterinarians. This could generate calls over the weekend so we wanted to give you a heads up. We will send you copies of the messages we send to MSU-E and veterinarians.

We have nothing additional to report on the Flint water situation. Has anyone at the SEOC had a chance to determine whether or not any of the potential livestock facilities are on city water?

Nancy

Nancy Frank, DVM, MPH, DACVPM
Assistant State Veterinarian
Michigan Department of Agriculture and Rural Development
Animal Industry Division
frankn@michigan.gov
517-284-5676

Animal Industry Division – Protect, regulate and promote Animal Health

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MSP-EOC-MDARD

From: Dunleavy, Sean (MDARD)
Sent: Saturday, January 16, 2016 8:40 AM
To: MSP-EOC-MDARD
Subject: FW: Sit rep for 1/15/16

FYI

Sean

Sean P. Dunleavy
Cell/Office 517-243-8895
Quality Assurance and
Emergency Response Unit Manager
Food and Dairy Division
Michigan Department of Agriculture
and Rural Development

Our Mission – Protect human health and the environment, while fostering a diverse viable Michigan agriculture.

-----Original Message-----
From: Hainstock, Lisa (MDARD)
Sent: Friday, January 15, 2016 3:27 PM
To: Walker, Sandra (MDARD) <walkers9@michigan.gov>
Cc: Tilden, John (MDARD) <tildenj@michigan.gov>; Dunleavy, Sean (MDARD) <dunleavys@michigan.gov>; Clemens, Denise (MDARD) <ClemensD@michigan.gov>
Subject: Sit rep for 1/15/16

Here is a rundown of today's actions and actions for next week. I dont have my notes right now so this is from memory

Completed actions
Call center training is complete
Sample Tracking spreadsheet ready
Planning meeting conducted and objectives for new operation period (1/15/16 (1500)-1/19/16 (1700) set Task tracking spreadsheet developed Sampling/evaluation teams established

Objectives for next operational period
Trish Bizoukas assignment as Logistics chief and add to Org Chart Ops Chief to provide list of informational and resources needed to IC Complete development of JIT training document Complete development of SurveyMonkey tool for inspectors to use during compliance checks Development of FAQs for inspectors in the field Distribute call center script to inspectors and others for reference

John is there anything else I've forgotten Sent from my iPhone

MSP-EOC-MDARD

From: Zimmer, Jeffrey (MDARD)
Sent: Friday, January 15, 2016 5:46 PM
To: MSP-EOC-MDARD
Cc: Alessandri, Gina (MDARD)
Subject: Re: follow up - additional water sampling in Flint

Thanks, Brad.

Jeffrey Zimmer
Pesticide and Plant Pest Management Division
(517) 284-5638/(616) 299-9874

On Jan 15, 2016, at 4:59 PM, MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov> wrote:

> Food & Dairy is standing up to be able to sample food businesses and it sounds like they're set for now. That said, as things continue to evolve, we may need more help – will keep you posted.
>
> ---
>
> **From:** Zimmer, Jeffrey (MDARD)
> **Sent:** Friday, January 15, 2016 4:19 PM
> **To:** MSP-EOC-MDARD
> **Cc:** Alessandri, Gina (MDARD)
> **Subject:** RE: follow up - additional water sampling in Flint
>
> Brad, will MDARD divisions be asked to assist FDD and LARA with food establishments in the near future, or is that need also already covered?
>
> *Jeffrey Zimmer, Deputy Director*
> Michigan Department of Agriculture and Rural Development
> P.O. Box 30017
> *Lansing, MI 48909*
> (517) 284-5638/(800) 292-3939
>
> ***Our mission*** *– Protect human health and the environment while fostering a diverse, viable Michigan agriculture.*
>
> ---
>
> **From:** MSP-EOC-MDARD
> **Sent:** Friday, January 15, 2016 2:48 PM
> **To:** Clover Adams, Jamie (MDARD) <CloveradamsJ@michigan.gov>; Averill, James (MDARD) <averillj1@michigan.gov>; Besey, Kevin (MDARD) <beseyk@michigan.gov>; Wenk, Gordon (MDARD) <wenkg@michigan.gov>; Johnson, James (MDARD) <johnsonj9@michigan.gov>; Alessandri, Gina (MDARD) <AlessandriG@michigan.gov>; Zimmer, Jeffrey (MDARD) <zimmerj@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>
> **Subject:** follow up - additional water sampling in Flint
>
> Following up – on yesterday's 4pm call DEQ said they'd be forming teams to test water in day care facilities and similar locations for this and future weekends, and that they would need assistance from other agencies. Just checked with DEQ here in the SEOC and they confirmed that Acting Director Creagh put the word out within DEQ and their staff are filling the need. If they need help down the road they

will let us and other agencies know, but for now, we don't need to ask staff to assist with that effort, and we'll focus on reaching food establishments.
Thanks to all of you for your willingness to pitch in (as always)!

Brad Deacon

State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

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MSP-EOC-MDARD

From: Zimmer, Jeffrey (MDARD)
Sent: Friday, January 15, 2016 4:14 PM
To: MSP-EOC-MDARD
Subject: RE: follow up - additional water sampling in Flint

Thanks, Brad!

Jeffrey Zimmer, Deputy Director
Michigan Department of Agriculture and Rural Development
P.O. Box 30017
Lansing, MI 48909
(517) 284-5638/(800) 292-3939

Our mission *– Protect human health and the environment while fostering a diverse, viable Michigan agriculture.*

From: MSP-EOC-MDARD
Sent: Friday, January 15, 2016 2:48 PM
To: Clover Adams, Jamie (MDARD) <CloveradamsJ@michigan.gov>; Averill, James (MDARD) <averillj1@michigan.gov>; Besey, Kevin (MDARD) <beseyk@michigan.gov>; Wenk, Gordon (MDARD) <wenkg@michigan.gov>; Johnson, James (MDARD) <johnsonj9@michigan.gov>; Alessandri, Gina (MDARD) <AlessandriG@michigan.gov>; Zimmer, Jeffrey (MDARD) <zimmerj@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>
Subject: follow up - additional water sampling in Flint

Following up – on yesterday's 4pm call DEQ said they'd be forming teams to test water in day care facilities and similar locations for this and future weekends, and that they would need assistance from other agencies. Just checked with DEQ here in the SEOC and they confirmed that Acting Director Creagh put the word out within DEQ and their staff are filling the need. If they need help down the road they will let us and other agencies know, but for now, we don't need to ask staff to assist with that effort, and we'll focus on reaching food establishments.
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Brad Deacon

State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

MSP-EOC-MDARD

From: Lynne Feldpausch (MEDC) <feldpauschl@michigan.org>
Sent: Friday, January 15, 2016 3:59 PM
To: Briggs, Brianna (MSP); MSP-SEOC5; MSP-seocfgc; MSP-EOC-MDAGING; MSP-EOC-MDARD; MSP-EOC-MDCH; MSP-EOC-MDHS; MSP-EOC-MDEQ; MSP-EOC-MDLARA; MSP-EOC-MDEDUCTN
Cc: MSP-SEOCOPSC; Weber, Thomas (MSP); Katarsky, Anthony (MSP); Brown, Melanie (DEQ)
Subject: RE: Potential Assistance Programs - SEOC Response
Attachments: TED ASSISTANCE OPTIONS 1-15-16.pdf

Good afternoon.
Attached, please find the Michigan Department of Talent and Economic Development's (MTED's) comprehensive response to your request for potential assistance programs related to the Flint Water Crisis.

As always, should you have additional questions or need further information, please don't hesitate to contact my office.

Best regards,
Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
Michigan Economic Development Corporation
Michigan Department of Talent & Economic Development
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060
feldpauschl@michigan.org
Follow me on Twitter: @LynneFeldpausch

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From: MSP-SEOC5 [mailto:MSP-SEOC5@michigan.gov]
Sent: Friday, January 08, 2016 2:01 PM
To: MSP-seocfgc; MSP-EOC-MDAGING; MSP-EOC-MDARD; MSP-EOC-MDCH; MSP-EOC-MDHS; MSP-EOC-MDEQ; MSP-EOC-MDLARA; MSP-EOC-MDEDUCTN; Betterly, Steve (DHHS); Deacon, Brad (MDARD); Burgess, Louis (MDE); Wolf, Jennifer (DNR); Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Gensler, Alesha (LARA); Burger, Penelope (MSP); Lynne Feldpausch (MEDC)
Cc: MSP-SEOCOPSC
Subject: Potential Assistance Programs

State Emergency Management Coordinator:

As discussed in this morning's briefing, your agency has been identified to research potential assistance programs (private, state, federal, etc.) that may be available to address the short- and long-term recovery needs in response to the Flint water incident. Earl Zuelke, FEMA Long-Term Recovery, has made contact with some federal agencies to assist with this research. Feel free to touch base with him in the SEOC.

Attached is a copy of the Non-Stafford Act Recovery Guide. Appendix 2 (pg. 24-26) provides a list of some potential federal programs. This list is **not** all-encompassing; however, it will provide a starting point if any of these programs may apply to the response and recovery for this incident.

Provide the following information, *at a minimum*, on potential assistance programs for individuals and/or government support in response to this incident:

- Program Name
- Agency Responsible for program
- Point of Contact
- Type of Support (Individual or Government)
- Eligibility Guidelines
- Benefits Available
- Application Process

This information shall be submitted to Brianna Briggs, the Recovery Branch Chief, at briggsb3@michigan.gov by **COB Friday, January 15.**

Let Brianna (cell phone below) know if you have any questions on this request.

Thank you,

Brianna Briggs
Recovery Branch Director
517-290-2949

MSP-EOC-MDARD

From: Walker, Sandra (MDARD)
Sent: Friday, January 15, 2016 2:48 PM
To: MSP-EOC-MDEQ; Schinderle, Jack (DEQ)
Cc: MSP-EOC-MDARD
Subject: RE: School and Food Establishment

Certainly.
Jack, I can be reached easiest at 517-749-5637.

Sandra Walker, Food Program Manager
Michigan Department of Agriculture and Rural Development
525 W. Allegan St.
Lansing, MI 48933
517-284-5712

From: MSP-EOC-MDEQ
Sent: Friday, January 15, 2016 2:44 PM
To: Schinderle, Jack (DEQ) <SCHINDERLEJ@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
Subject: School and Food Establishment

Brad and I had the discussion that some schools are on the MDARD food establishment list. Could you two get together to de-conflict these lists so that MDARD does not schedule a school in their inspection plan.

Thanks!
~Jen
SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
Cell 517-719-0028
MSP-EOC-MDEQ@michigan.gov

MSP-EOC-MDARD

From: MSP-EOC-MDCH
Sent: Friday, January 15, 2016 12:00 PM
To: Covey, Gabriel (MSP)
Cc: MSP-EOC-MDEQ; MSP-EOC-MDLARA; MSP-EOC-MDARD
Subject: Requested Information - Health and Environmental Branch

Lt. Covey,

Below, please find the bullets of information requested from the Health and Environmental Branch. Please let me know if you have any questions.

MDARD

- Updated requirements for food establishments using City of Flint water; mailed on 1/14 and includes offer to collect samples for free.
- Visiting food businesses to ensure they understand requirements.
- Will be visiting restaurants, in coordination with Genesee County Health Department
- Reached out to veterinary clinics and coordinated with the Genesee County Animal Control to contact animal related businesses to see what water system they're on and ensured that they were familiar with the Flint water situation.
- Reached out to Flint Food Works / Food Hub and the Food Bank of Eastern Michigan and offered additional assistance.

MDHHS – Health

- Activated the Community Health Emergency Coordination Center (CHECC)
- Staffing a hotline to field calls that were to be sent to the Local Health Department while the LHD is closed for furlough, weekends, and holidays
- Developing a nutritional plan for education and messaging
- Gathering information in preparation for disaster behavioral health response, if a presidential declaration is approved.
- Epidemiology branch continues to assist work with local health department on blood lead testing and case management
- Communicating to healthcare providers through WebMD Medscape.
- Coordinating health information messaging with the JIC.

MDLARA

- Ongoing effort to reached out to all licensed Healthcare facilities in the affected area to gather information and access any needs they may have, to include: Child Care facilities, Adult Foster Care, and others.
- LARA and it's Bureau of Construction Codes - Plumbing Division will complete the "Freeman School Faucet Replacement Pilot." This weekend to include:
    - On-site assessment plumbing to identify plumbing components of concern and prioritize sample sites.
    - Identify and replace faucets, lines, connectors with lead free components.
- Re-collect water samples to test and analyze.
- Offered to assist with lab testing, utilizing the MIOSHA Lab and Scientists as appropriate in coordination with DEQ.
- Provided MDHHS with a list of licensed healthcare facilities to coordinate the distribute nutritional information.
- Worked with the Office of New Americans to assist with translation of messaging

MDEQ

- Facilitating supply of water test kits to all Flint Water Treatment Plant customers in collaboration with City and County personnel.
- Laboratory services is processing samples for lead and copper analysis.
- Providing staff at SEOC during all operational hours to coordinate agency services, capabilities, activities and response to resource and information requests.
- Providing staff support at the Joint Information Center.
- Coordination and cooperation with various state agencies for sampling plans and implementation strategies for all state regulated facilities to include the provision of resources.
- Staffing at the local level to assist with resource and response management
- Verified NSF/ANSI 53 certifications of products delivered to citizens
- Produced a video of a water test sampling video for public guidance

Thank you,
Jennifer

MSP-EOC-MDARD

From: Holton, Jennifer (MDARD)
Sent: Friday, January 15, 2016 11:18 AM
To: MSP-EOC-MDARD
Subject: Fwd: call on nutrition for Flint

Sent from my iPhone

Begin forwarded message:

From: "Yelton, Lori (MDARD)" <YeltonL@michigan.gov>
Date: January 15, 2016 at 11:00:21 AM EST
To: "Besey, Kevin (MDARD)" <beseyk@michigan.gov>, "Clover Adams, Jamie (MDARD)" <CloveradamsJ@michigan.gov>
Cc: "Deacon, Brad (MDARD)" <deaconb9@michigan.gov>, "Nyquist, Nancy (MDARD)" <nyquistn@michigan.gov>, "Holton, Jennifer (MDARD)" <holtonj@michigan.gov>
Subject: call on nutrition for Flint

Good morning,
I just wanted to let everyone know about the conference call this morning.
There was a conference call this morning with Gloria Zunker on nutrition. MDE was also on the call.
We will be coordinating nutrition efforts and adding UDIM, WIC, Flint food Bank(s) and MI Fitness Foundation to the group.

A few things discussed

- Handout on nutrition being finalized, then MDE to send to schools and licensed day care centers
- MDE has been in touch with USDA to see if they can increase fruit and vegt's to schools
- Superintendent of schools to talk with superintendent of Flint schools on having breakfast in the classroom, which is not currently being done
- Want to work on getting foods high in iron, including heme Iron foods, vitamin C and Calcium for schools, daycare, and pantries.
- They are aware of the MDARD notification sheet going out to businesses.
  We will be having a conference call next Thursday to discuss other items the departments are doing in regards to nutrition and our current list of items from today's meeting.
  There is federal money that could help with efforts.
  I mentioned that UDIM may be working on milk donations. They will be invited to the call next week.

Lori Yelton

Lori Yelton, MS RDN Nutritionist

Food & Dairy Division

Michigan Department of Agriculture

and Rural Development

P.O. Box 30017

Lansing, MI 48909

yeltonl@michigan.gov

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MSP-EOC-MDARD

From: Holton, Jennifer (MDARD)
Sent: Friday, January 15, 2016 11:18 AM
To: MSP-EOC-MDARD
Subject: Re: high level bullet points

You might want to call Kevin Halfmann.

Sent from my iPhone

On Jan 15, 2016, at 11:07 AM, MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov> wrote:

> Was asked to provide high-level bullet points reflecting our efforts/activities for a briefing document for Captain Kelenske. This is what I provided:
>
> MDARD
>
> - Updated requirements for food establishments using City of Flint water; mailed on 1/14 and includes offer to collect samples for free. We will be personally visiting food businesses to make sure they understand the requirements. In coordination with Genesee County Health Department, MDARD will be visiting restaurants as well.
> - We reached out to veterinary clinics and coordinated with the Genesee County Animal Control to contact animal related businesses to see what water system they're on and make sure they know about use of water.
> - MDARD has provided grants in the past to the Flint Food Works / Food Hub and the Food Bank of Eastern Michigan. We've reached out to both to talk about additional opportunities to help strengthen the food system.
>
> Brad
> State Emergency Operations Center
> Michigan Department of Agriculture and Rural Development
> 517-324-2346
> 517-324-2347

MSP-EOC-MDARD

From: MSP-EOC-MDCH
Sent: Friday, January 15, 2016 10:27 AM
To: MSP-EOC-MDEQ; MSP-EOC-MDARD; MSP-EOC-MDLARA
Subject: Bullets for Brief

Good Morning,

Lt. Covey has asked that I compile the brief bullets for the brief that he mentioned, from our entire branch. If you could please send those to me this morning by 11:15 a.m., that would be great.

Thank you,
Jennifer

MSP-EOC-MDARD

From: Dunleavy, Sean (MDARD)
Sent: Friday, January 15, 2016 7:02 AM
To: MSP-EOC-MDARD
Subject: Sit Rep
Attachments: SIT REP 160114 (1500).doc

Sean

Sean P. Dunleavy
Cell/Office
Quality Assurance and
Emergency Response Unit Manager
Food and Dairy Division
Michigan Department of Agriculture
and Rural Development

***Our Mission** – Protect human health and the environment, while fostering a diverse viable Michigan agriculture.*

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 5:35 PM
To: MSP-EOC-MDARD
Subject: FW: Summary of ICS Period
Attachments: SIT REP 160114 (1500).doc

From: Walker, Sandra (MDARD)
Sent: Thursday, January 14, 2016 5:06 PM
To: Clover Adams, Jamie (MDARD); Wenk, Gordon (MDARD); Blakely, Matthew (MDARD); Deacon, Brad (MDARD); Holton, Jennifer (MDARD)
Cc: Besey, Kevin (MDARD); Philibeck, Terrance (MDARD)
Subject: Summary of ICS Period

Attached is a summary of ICS operations on the Flint Water emergency response activities.

Sandra Walker, Food Program Manager
Michigan Department of Agriculture and Rural Development
525 W. Allegan St.
Lansing, MI 48933
517-284-5712

MSP-EOC-MDARD

From: State of Michigan <MISOM@govsubscriptions.michigan.gov>
Sent: Thursday, January 14, 2016 5:29 PM
To: MSP-EOC-MDARD
Subject: Volunteer Opportunity in Flint

The State Emergency Operations Center (SEOC) is coordinating a response to the ongoing health and safety issues in the city of Flint's drinking water. Teams from the Michigan State Police, Genesee County Sheriff's Department, Michigan Department of Health and Human Services, and volunteer organizations have been delivering bottled water, water filters, replacement cartridges and water testing kits at homes in the city of Flint since Tuesday.

To help with this critical work, the SEOC is looking for volunteers to expand this effort and continue this distribution during the upcoming holiday weekend. Teams are being assembled for shifts on Saturday, January 16; Sunday, January 17; and Monday, January 18, 2016. If you are interested in volunteering your time for this critical work, please complete the information in one of the attached surveys (depending on which day you are volunteering).

To volunteer on Saturday, January 16, https://www.surveymonkey.com/r/28NVJBL

To volunteer on Sunday, January 17, https://www.surveymonkey.com/r/26NMJKK

To volunteer on Monday, January 18, https://www.surveymonkey.com/r/26P7P5G

Volunteers will begin their assignment at the Local Emergency Operations Center located in the Genesee County Administration Building located at 1101 Beach St, Flint at 9 a.m. and end by 4 p.m. Parking is available at the corner of Beach Street and 8th Street. Lunch will be provided. This is strictly a volunteer effort, as all three days will be unpaid. Volunteers are responsible for their own transportation; mileage reimbursement for personal vehicles is not authorized. Volunteers should dress for working outdoors and wear foot attire appropriate for walking.

This opportunity is for state employees and their immediate family members 16 years of age or older only, others looking to assist should volunteer through the American Red Cross in Flint. The volunteer coordination center for the Red Cross is located at 1401 S. Grand Traverse, Flint, MI. They are open from 9 a.m. to 7 p.m.

For more information on the state's response efforts, visit www.michigan.gov/flintwater.

This e-mail was sent to msp-eoc-mdard@michigan.gov using GovDelivery on behalf of: the State of Michigan, 111 S. Capitol Ave., Lansing, MI. *You are receiving this message because you are a State of Michigan*

employee.

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MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 4:38 PM
To: MSP-EOC-MDARD
Subject: FW: Sit Rep for your meeting with Gordon Wenk
Attachments: SIT REP 160114 (1500).doc

From: Hainstock, Lisa (MDARD)
Sent: Thursday, January 14, 2016 4:36 PM
To: Walker, Sandra (MDARD)
Cc: Tilden, John (MDARD); Beerbower, Byron (MDARD); Dunleavy, Sean (MDARD); Bonsky, Jennifer (MDARD); Tederington, Thomas (MDARD); Holton, Jennifer (MDARD); Deacon, Brad (MDARD); Philibeck, Terrance (MDARD)
Subject: Sit Rep for your meeting with Gordon Wenk

Lisa Hainstock, R.S.
Food Safety Specialist
Michigan Department of Agriculture & Rural Development
Food and Dairy Division
Work 517-284-5701

Fax 517-373-3333
hainstockl@michigan.gov

MSP-EOC-MDARD

From: Metiva, Daniel (MDARD)
Sent: Thursday, January 14, 2016 3:51 PM
To: Deacon, Brad (MDARD); Besey, Kevin (MDARD); Walker, Sandra (MDARD); Dunleavy, Sean (MDARD)
Cc: MSP-EOC-MDARD
Subject: RE: Flint Water Crisis Restaurants map

Below is a link to the Actual Map and Data that I created also.

Flint Water Establishment Zones map

It (Should) let you zoom in and out, and click on the establishments themselves.

Thank you,

Dan Metiva III
Michigan Department of Agriculture & Rural Development
Food & Dairy Division – IT
Constitution Hall 6N/D3
525 W. Allegan St.
Lansing, MI 48933
P: 517-284-5635
E: MetivaD@Michigan.gov

From: Metiva, Daniel (MDARD)
Sent: Thursday, January 14, 2016 3:18 PM
To: Deacon, Brad (MDARD) <deaconb9@michigan.gov>; Besey, Kevin (MDARD) <beseyk@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>; Dunleavy, Sean (MDARD) <dunleavys@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
Subject: RE: Flint Water Crisis Restaurants map

Hello,

Attached is a list of the establishments that are in the High (Red) and Medium (Orange) zones from the map that was generated for us.

I was able to take the spreadsheet, import it into a web based mapping software, allow it to map all the establishments within those zones then replicate the "Zone" lines from the map. It then let me export any of the establishments within those lines.

If you have any questions, please let me know! ☺

Thank you,

Dan Metiva III

Dan Metiva III
Michigan Department of Agriculture & Rural Development
Food & Dairy Division – IT
Constitution Hall 6N/D3
525 W. Allegan St.
Lansing, MI 48933
P: 517-284-5635
E: MetivaD@Michigan.gov

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 10:32 AM
To: Metiva, Daniel (MDARD) <MetivaD@michigan.gov>; Besey, Kevin (MDARD) <beseyk@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>; Dunleavy, Sean (MDARD) <dunleavys@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
Subject: Re: Flint Water Crisis Restaurants map

Dan - we provided those addresses to the State Emergency Operations Center so they could have those layers here. I will send you those lists.

From: Metiva, Daniel (MDARD)
Sent: Thursday, January 14, 2016 10:25 AM
To: Deacon, Brad (MDARD); Besey, Kevin (MDARD); Walker, Sandra (MDARD); Dunleavy, Sean (MDARD)
Cc: MSP-EOC-MDARD
Subject: RE: Flint Water Crisis Restaurants map

Yes, a picture really is not any help to us. If we could get it in the .pdf format, that would help a bit, but the best would be a listing of addresses rather than a plotted map. That way we can populate our own maps for inspectors, etc.

Thank you,

Dan Metiva III

Dan Metiva III
Michigan Department of Agriculture & Rural Development
Food & Dairy Division – IT
Constitution Hall 6N/D3
525 W. Allegan St.
Lansing, MI 48933
P: 517-284-5635
E: MetivaD@Michigan.gov

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 9:58 AM
To: Besey, Kevin (MDARD) <beseyk@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>; Dunleavy,

Sean (MDARD) <dunleavys@michigan.gov>; Metiva, Daniel (MDARD) <MetivaD@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
Subject: Fw: Flint Water Crisis Restaurants map

Just got this - the restaurants overlayed on the impacted areas map. Dan - is there another format we should ask for to make this more useful for us?

From: MSP-SEOCGIS
Sent: Thursday, January 14, 2016 9:44 AM
To: Deacon, Brad (MDARD)
Subject: Flint Water Crisis Restaurants map

Brad,

Attached is a JPEG version of a map of the hotspots in Flint with an overlay of active LHD license establishments. The map is zoomed in to the hotspot area. A PDF version of this map is currently being generated. I will send it to you once it is finished. Please let me know if you would like any changes made to this map.

Also, I am working on the Flint Premises map and should be getting that to you shortly.

Malyssa

MSP-EOC-MDARD

From:	Metiva, Daniel (MDARD)
Sent:	Thursday, January 14, 2016 3:18 PM
To:	Deacon, Brad (MDARD); Besey, Kevin (MDARD); Walker, Sandra (MDARD); Dunleavy, Sean (MDARD)
Cc:	MSP-EOC-MDARD
Subject:	RE: Flint Water Crisis Restaurants map
Attachments:	High & Medium Risk Establishments on Flint Water.xlsx

Hello,

Attached is a list of the establishments that are in the High (Red) and Medium (Orange) zones from the map that was generated for us.

I was able to take the spreadsheet, import it into a web based mapping software, allow it to map all the establishments within those zones then replicate the "Zone" lines from the map. It then let me export any of the establishments within those lines.

If you have any questions, please let me know! ☺

Thank you,

Dan Metiva III
Michigan Department of Agriculture & Rural Development
Food & Dairy Division – IT
Constitution Hall 6N/D3
525 W. Allegan St.
Lansing, MI 48933
P: 517-284-5635
E: MetivaD@Michigan.gov

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 10:32 AM
To: Metiva, Daniel (MDARD) <MetivaD@michigan.gov>; Besey, Kevin (MDARD) <beseyk@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>; Dunleavy, Sean (MDARD) <dunleavys@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
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Cc: MSP-EOC-MDARD
Subject: RE: Flint Water Crisis Restaurants map

Yes, a picture really is not any help to us. If we could get it in the .pdf format, that would help a bit, but the best would be a listing of addresses rather than a plotted map. That way we can populate our own maps for inspectors, etc.

Thank you,

Dan Metiva III

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Michigan Department of Agriculture & Rural Development
Food & Dairy Division – IT
Constitution Hall 6N/D3
525 W. Allegan St.
Lansing, MI 48933
P: 517-284-5635
E: MetivaD@Michigan.gov

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To: Besey, Kevin (MDARD) <beseyk@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>; Dunleavy, Sean (MDARD) <dunleavys@michigan.gov>; Metiva, Daniel (MDARD) <MetivaD@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
Subject: Fw: Flint Water Crisis Restaurants map

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To: Deacon, Brad (MDARD)
Subject: Flint Water Crisis Restaurants map

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Also, I am working on the Flint Premises map and should be getting that to you shortly.

Malyssa

MSP-EOC-MDARD

From: MSP-EOC-MDCH
Sent: Thursday, January 14, 2016 2:21 PM
To: MSP-EOC-MDARD; MSP-EOC-MDLARA
Subject: Tactics

As the Health and Environmental Branch Director, I am tasked with updating our critical tasks and work assignments in MICIMS as they relate to the IAP objectives. One of the objectives assigned to our branch is in regards to short and long term public health and services planning. Do you have any tactics or work assignments that you would like included from an MDARD or LARA prospective?

Thank you,
Jennifer Lixey Terrill

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 2:04 PM
To: MSP-SEOCGIS2
Cc: Metiva, Daniel (MDARD); MSP-EOC-MDARD
Subject: RE: AID Flint Water Update for January 13, 2016

Another food and maps question – can you capture which of our dots for restaurants and for food retail are in which zones?

From: Metiva, Daniel (MDARD)
Sent: Thursday, January 14, 2016 1:20 PM
To: Deacon, Brad (MDARD)
Subject: RE: AID Flint Water Update for January 13, 2016

Awesome!

Can they pull just the establishments that are in the Red zone?

Then, Just the establishments that are in the Orange?

Then, Just the ones in the Yellow?

Thank you,

Dan Metiva III

Dan Metiva III
Michigan Department of Agriculture & Rural Development
Food & Dairy Division – IT
Constitution Hall 6N/D3
525 W. Allegan St.
Lansing, MI 48933
P: 517-284-5635
E: MetivaD@Michigan.gov

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 11:49 AM
To: Metiva, Daniel (MDARD) <MetivaD@michigan.gov>
Subject: Fw: AID Flint Water Update for January 13, 2016

They sent this as well.

From: MSP-SEOCGIS2
Sent: Thursday, January 14, 2016 11:22 AM

To: Deacon, Brad (MDARD)
Subject: RE: AID Flint Water Update for January 13, 2016

Brad,

Here is the PDF version of the active LHD license establishments map!

Malyssa

From: Deacon, Brad (MDARD)
Sent: Wednesday, January 13, 2016 4:54 PM
To: MSP-SEOCGIS2
Subject: Fw: AID Flint Water Update for January 13, 2016

Here are the locations that came up in a search as having livestock with a Flint address. If you could plot them to see if they're anywhere nearby the water system we will then take next steps. We have not been able to reach them by phone.

From: Frank, Nancy (MDARD)
Sent: Wednesday, January 13, 2016 4:40 PM
To: Deacon, Brad (MDARD)
Cc: Kufta, Patsy (MDARD); Averill, James (MDARD); Smith, Rick (MDARD); Kapala, Pollyanne (MDARD)
Subject: RE: AID Flint Water Update for January 13, 2016

Brad,

Here is the list of facilities that potentially have livestock. Rick Smith has the facilities mapped. The DZIUBA JOANN facility has no animals.

Nancy

From: Deacon, Brad (MDARD)
Sent: Wednesday, January 13, 2016 2:44 PM
To: Frank, Nancy (MDARD)
Cc: Kufta, Patsy (MDARD); Averill, James (MDARD); Smith, Rick (MDARD); Kapala, Pollyanne (MDARD)
Subject: Re: AID Flint Water Update for January 13, 2016

Thanks Nancy -
If you get me the addresses we can try to check from here whether they're in the service area.

From: Frank, Nancy (MDARD)
Sent: Wednesday, January 13, 2016 2:20 PM
To: Deacon, Brad (MDARD)
Cc: Kufta, Patsy (MDARD); Averill, James (MDARD); Smith, Rick (MDARD); Kapala, Pollyanne (MDARD); Frank, Nancy (MDARD)
Subject: AID Flint Water Update for January 13, 2016

Brad,

AID is continuing to refine the list of commercial pet animal facilities and veterinary clinics. We have no additional contacts made to report.

The potential livestock facilities have been called again with no phones being answered. AID is assembling a map of the farms and is planning to have staff visit the farms in person.

Nancy

Nancy Frank, DVM, MPH, DACVPM
Assistant State Veterinarian
Michigan Department of Agriculture and Rural Development
Animal Industry Division
frankn@michigan.gov
517-284-5676

Animal Industry Division – Protect, regulate and promote Animal Health

MSP-EOC-MDARD

From: Yelton, Lori (MDARD)
Sent: Thursday, January 14, 2016 12:35 PM
To: Zunker, Gloria (DHHS); MSP-EOC-MDARD; Nyquist, Nancy (MDARD)
Cc: MSP-EOC-MDCH; Wahl, Kathy (DHHS); Deacon, Brad (MDARD)
Subject: RE: Coordination on Nutrition & Long Term

Thanks for the introduction. Nancy and I are glad to help out if needed.

Lori Yelton, MS, RDN.
yeltonl@michigan.gov
517-420-3249

From: Zunker, Gloria (DHHS)
Sent: Wednesday, January 13, 2016 11:44 AM
To: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>; Yelton, Lori (MDARD) <YeltonL@michigan.gov>; Nyquist, Nancy (MDARD) <nyquistn@michigan.gov>
Cc: MSP-EOC-MDCH <MSP-EOC-MDCH@michigan.gov>; Wahl, Kathy (DHHS) <WahlK@michigan.gov>; Deacon, Brad (MDARD) <deaconb9@michigan.gov>
Subject: RE: Coordination on Nutrition & Long Term

Thank you so much Brad, for the introduction and offer of support, I will definitely take advantage of your offer. Thanks again, and it's nice to meet you Nancy and Lori (we've met at the MALPH conference).

From: MSP-EOC-MDARD
Sent: Wednesday, January 13, 2016 10:20 AM
To: Zunker, Gloria (DHHS); Yelton, Lori (MDARD); Nyquist, Nancy (MDARD)
Cc: MSP-EOC-MDCH; Wahl, Kathy (DHHS); Deacon, Brad (MDARD)
Subject: Coordination on Nutrition & Long Term

Gloria – I'm in the SEOC next to Kathy and I wanted to make the virtual introduction with two of our MDARD leads – Lori Yelton is our Nutritionist in our Food & Dairy Division, and Nancy Nyquist oversees some of our grant programs from our Agriculture Development Division. We've provided funds in the last few years to support both the Flint Farmer's Market / Food Hub and the Food Bank of Eastern Michigan and we'd be happy to be part of the multi-agency recovery discussions.

Brad Deacon
Emergency Management Coordinator

State Emergency Operations Center
Michigan Department of Agriculture and Rural Development
517-324-2346
517-324-2347

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 11:37 AM
To: MSP-EOC-MDARD; MSP-EOC-MDCH
Subject: Fw: AID Flint Water Update for January 13, 2016
Attachments: 20160114_MDARD_Active_LHD_PDF.pdf

Restaurants licensed by the Genesee Co. Health Dept.

From: MSP-SEOCGIS2
Sent: Thursday, January 14, 2016 11:22 AM
To: Deacon, Brad (MDARD)
Subject: RE: AID Flint Water Update for January 13, 2016

Brad,

Here is the PDF version of the active LHD license establishments map!

Malyssa

From: Deacon, Brad (MDARD)
Sent: Wednesday, January 13, 2016 4:54 PM
To: MSP-SEOCGIS2
Subject: Fw: AID Flint Water Update for January 13, 2016

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Cc: Kufta, Patsy (MDARD); Averill, James (MDARD); Smith, Rick (MDARD); Kapala, Pollyanne (MDARD)
Subject: RE: AID Flint Water Update for January 13, 2016

Brad,

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Nancy

From: Deacon, Brad (MDARD)
Sent: Wednesday, January 13, 2016 2:44 PM

To: Frank, Nancy (MDARD)
Cc: Kufta, Patsy (MDARD); Averill, James (MDARD); Smith, Rick (MDARD); Kapala, Pollyanne (MDARD)
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Sent: Wednesday, January 13, 2016 2:20 PM
To: Deacon, Brad (MDARD)
Cc: Kufta, Patsy (MDARD); Averill, James (MDARD); Smith, Rick (MDARD); Kapala, Pollyanne (MDARD); Frank, Nancy (MDARD)
Subject: AID Flint Water Update for January 13, 2016

Brad,

AID is continuing to refine the list of commercial pet animal facilities and veterinary clinics. We have no additional contacts made to report.

The potential livestock facilities have been called again with no phones being answered. AID is assembling a map of the farms and is planning to have staff visit the farms in person.

Nancy

Nancy Frank, DVM, MPH, DACVPM
Assistant State Veterinarian
Michigan Department of Agriculture and Rural Development
Animal Industry Division
frankn@michigan.gov
517-284-5676

Animal Industry Division – Protect, regulate and promote Animal Health

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 11:28 AM
To: Gruzalski, Philip A - APHIS
Cc: MSP-EOC-MDARD
Subject: Re: Flint Water

Phil - At this time I don't see that we (MDARD) will be looking for federal assistance for the things we do with food and agriculture. We have updated our guidance for food factilities and that is going out today and we'll be doing follow up with those facilities. We may be looking for assistance with long term recovery related to food and nutrition, but that involves multiple state agencies here in Michigan.

From: Gruzalski, Philip A - APHIS <Philip.A.Gruzalski@aphis.usda.gov>
Sent: Thursday, January 14, 2016 11:21 AM
To: Deacon, Brad (MDARD)
Subject: Flint Water

Hi Brad,

I have been following the situation in Flint including updates on the MI website, Taking Action on Flint Water.

This morning, I attended the FEMA Region V brief and there was no talk of the RRCC activating in regard to the Flint water situation.

Any needs you foresee in regard to Federal assistance for food and agriculture at this time?

Phil Gruzalski
Region V ESF11 Coordinator
APHIS-EMSSD, Emergency
Management and Homeland Security Branch
773-495-3523

MSP-EOC-MDARD

From: Walker, Sandra (MDARD)
Sent: Thursday, January 14, 2016 10:36 AM
To: Deacon, Brad (MDARD); Metiva, Daniel (MDARD); Besey, Kevin (MDARD); Dunleavy, Sean (MDARD)
Cc: MSP-EOC-MDARD
Subject: RE: Flint Water Crisis Restaurants map

Brad,
If you haven't already sent, Dan has the lists now.

Sandra Walker, Food Program Manager
Michigan Department of Agriculture and Rural Development
525 W. Allegan St.
Lansing, MI 48933
517-284-5712

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 10:32 AM
To: Metiva, Daniel (MDARD) <MetivaD@michigan.gov>; Besey, Kevin (MDARD) <beseyk@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>; Dunleavy, Sean (MDARD) <dunleavys@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
Subject: Re: Flint Water Crisis Restaurants map

Dan - we provided those addresses to the State Emergency Operations Center so they could have those layers here. I will send you those lists.

From: Metiva, Daniel (MDARD)
Sent: Thursday, January 14, 2016 10:25 AM
To: Deacon, Brad (MDARD); Besey, Kevin (MDARD); Walker, Sandra (MDARD); Dunleavy, Sean (MDARD)
Cc: MSP-EOC-MDARD
Subject: RE: Flint Water Crisis Restaurants map

Yes, a picture really is not any help to us. If we could get it in the .pdf format, that would help a bit, but the best would be a listing of addresses rather than a plotted map. That way we can populate our own maps for inspectors, etc.

Thank you,

Dan Metiva III

Dan Metiva III
Michigan Department of Agriculture & Rural Development
Food & Dairy Division – IT
Constitution Hall 6N/D3

525 W. Allegan St.
Lansing, MI 48933
P: 517-284-5635
*E: **MetivaD@Michigan.gov***

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 9:58 AM
To: Besey, Kevin (MDARD) <beseyk@michigan.gov>; Walker, Sandra (MDARD) <walkers9@michigan.gov>; Dunleavy, Sean (MDARD) <dunleavys@michigan.gov>; Metiva, Daniel (MDARD) <MetivaD@michigan.gov>
Cc: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>
Subject: Fw: Flint Water Crisis Restaurants map

Just got this - the restaurants overlayed on the impacted areas map. Dan - is there another format we should ask for to make this more useful for us?

From: MSP-SEOCGIS
Sent: Thursday, January 14, 2016 9:44 AM
To: Deacon, Brad (MDARD)
Subject: Flint Water Crisis Restaurants map

Brad,

Attached is a JPEG version of a map of the hotspots in Flint with an overlay of active LHD license establishments. The map is zoomed in to the hotspot area. A PDF version of this map is currently being generated. I will send it to you once it is finished. Please let me know if you would like any changes made to this map.

Also, I am working on the Flint Premises map and should be getting that to you shortly.

Malyssa

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 10:29 AM
To: Throne, Heather (MDARD); Holton, Jennifer (MDARD)
Cc: MSP-EOC-MDARD; Besey, Kevin (MDARD); Clover Adams, Jamie (MDARD)
Subject: Re: Letter/handout

The revised changes have been signed off by the Operations Chief here at the SEOC with no changes so we are good to distribute, and I'm asking Heather to make sure the Handout gets changed on the michigan.gov/flintwater site.

Thank you all.

From: Throne, Heather (MDARD)
Sent: Thursday, January 14, 2016 10:05 AM
To: Holton, Jennifer (MDARD)
Cc: MSP-EOC-MDARD; Deacon, Brad (MDARD); Besey, Kevin (MDARD)
Subject: Re: Letter/handout

Thank you. JIC will be sending to the SEOC for final approval this morning.

-------- Original Message --------
From: "Holton, Jennifer (MDARD)" <holtonj@michigan.gov>
Date: Thu, January 14, 2016 8:51 AM -0500
To: "Throne, Heather (MDARD)" <ThroneH@michigan.gov>
CC: MSP-EOC-MDARD <MSP-EOC-MDARD@michigan.gov>, "Deacon, Brad (MDARD)" <deaconb9@michigan.gov>, "Besey, Kevin (MDARD)" <beseyk@michigan.gov>
Subject: Letter/handout

Here are the corrected versions incorporating the JIC's edits. I also noticed the date at the top was wrong and was on the wrong letterhead. All corrected now.

Jen

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 9:58 AM
To: Besey, Kevin (MDARD); Walker, Sandra (MDARD); Dunleavy, Sean (MDARD); Metiva, Daniel (MDARD)
Cc: MSP-EOC-MDARD
Subject: Fw: Flint Water Crisis Restaurants map
Attachments: 20160114_MDARD_Active_LHD.jpg

Just got this - the restaurants overlayed on the impacted areas map. Dan - is there another format we should ask for to make this more useful for us?

From: MSP-SEOCGIS
Sent: Thursday, January 14, 2016 9:44 AM
To: Deacon, Brad (MDARD)
Subject: Flint Water Crisis Restaurants map

Brad,

Attached is a JPEG version of a map of the hotspots in Flint with an overlay of active LHD license establishments. The map is zoomed in to the hotspot area. A PDF version of this map is currently being generated. I will send it to you once it is finished. Please let me know if you would like any changes made to this map.

Also, I am working on the Flint Premises map and should be getting that to you shortly.

Malyssa

MSP-EOC-MDARD

From: Holton, Jennifer (MDARD)
Sent: Thursday, January 14, 2016 8:51 AM
To: Throne, Heather (MDARD)
Cc: MSP-EOC-MDARD; Deacon, Brad (MDARD); Besey, Kevin (MDARD)
Subject: Letter/handout
Attachments: Water Handout 2016_Jan 13.pdf; Lead sheet cover letter - Holton JIC Jan 14 2016.docx

Importance: High

Here are the corrected versions incorporating the JIC's edits. I also noticed the date at the top was wrong and was on the wrong letterhead. All corrected now.

Jen

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 8:33 AM
To: MSP-EOC-MDARD
Subject: RRT
Attachments: Letter of Intent RRT Grant MI May 14 2013.doc

Brad Deacon
Director, Office of Legal Affairs
Emergency Management Coordinator
Michigan Department of Agriculture &
Rural Development
Deaconb9@michigan.gov
Desk phone: 517-284-5729

MSP-EOC-MDARD

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 8:26 AM
To: MSP-EOC-MDEQ; MSP-EOC-MDARD
Subject: RE: Lead testing for businesses in Flint

Yes, our sheets were approved and will be going out today.

From: MSP-EOC-MDEQ
Sent: Thursday, January 14, 2016 8:05 AM
To: Deacon, Brad (MDARD); MSP-EOC-MDARD
Subject: FW: Lead testing for businesses in Flint

We need to clarify the process..... Did the information get out through the JIC yesterday?

From: Pieper, Julia (DEQ)
Sent: Wednesday, January 13, 2016 5:49 PM
To: MSP-EOC-MDEQ
Cc: Shane, Kirby (DEQ); Smith, Carol (DEQ); Krisztian, George (DEQ); Ducharme, Mark (DEQ)
Subject: Lead testing for businesses in Flint

Please clarify if businesses in Flint, such as restaurants, are also eligible for lead testing under the current program at no cost. We have received a call indicating a business has not been able to obtain a sampling kit at the fire station since they were not private homeowners. Is there an alternate location businesses should be using to obtain sample bottles? Thanks for any clarification you can provide.

Julia Pieper
Drinking Water Coordinator
Organic Sub-Unit Manager
DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
(517)-335-8076 phone
(517)-335-8562 fax

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Saturday, January 23, 2016 14:35
To: 'alicia.tate-nadeau@fema.dhs.gov'; Gamble, Jason (jason.gamble@fema.dhs.gov); Halliday, Kathryn (Kathryn.Halliday@fema.dhs.gov)
Subject: rough draft
Attachments: Flint Water Operations Plan 2016-01-22 ROUGH DRAFT.docx

Here is the rough draft of the plan which is being revised this afternoon before we send it out as a working draft for additional partners that were discussed in the meeting yesterday.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Saturday, January 23, 2016 14:22
To: 'Gutierrez, David M.'
Subject: draft plan
Attachments: Flint Water Operations Plan 2016-01-22 ROUGH DRAFT.docx

Sorry Dave, it took me longer to get back to my desk than I anticipated! Here's the draft.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 19:29
To: Katarsky, Anthony (MSP)
Cc: Bresler, Amanda (MSP); Covey, Gabriel (MSP); Davis, Kristi (MSP); Briggs, Brianna (MSP)
Subject: tomorrow/saturday

We'll need to meet briefly tomorrow to discuss the draft Flint Water Operations Plan we've been working on. Cap would like us to determine how we will utilize Red Cross, and what there capacity is. We may need to make it a call with Dave Gutierrez as well.

Just a heads up. Have a good evening.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 19:02
To: Kelenske, Chris (MSP)
Cc: Katarsky, Anthony (MSP); Bresler, Amanda (MSP); Briggs, Brianna (MSP)
Subject: for review
Attachments: Flint Water Operations Plan V2 2016-01-22 DRAFT.docx

Cap,

Here's a first revision of the draft Flint Water Operations Plan.

The plan is to review it with a larger group of the SEOC chiefs tomorrow and to begin working on the longer term elements with the community partners (if approved) beginning Monday.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
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Lansing, MI 48910
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 18:42
To: Kelenske, Chris (MSP)
Subject: observations from yesterday

Cap,

Here's a summary of things that were brought up in the two meetings I attended yesterday and some thoughts on possible improvements. I offer them with the understanding I may not have the full backstory on every situation.

SEOC

- GIS is being asked to do A LOT. Do we have all the staff we need there?

EOC

- Michelle needs assistance:
  - She is attending outside meetings and lunches with voluntary orgs
  - If Ginna is designated for the role, she should cover the meetings, or a deputy ops person should be assigned. Henrik could not get sit rep sent to SEOC because Michelle wasn't available to review.
- Chris is out there self-congratulating (I'm the IC doing all xyz); going off message (won't recommend bathing in water)
- Lauren – see below, but she is giving direction (mis-direction) in local eoc, saying she represents SEOC, and also mis-directing ARC (state doesn't need as much data as they say, it slows us down too much)

ARC

- I believe Dave is trying hard to cooperate, but he's getting mixed messages from Ginna/Lauren/SEOC. Chain of Command is not consistent from top to bottom.

VRC

- ARC is aware of complaints but has timed people waiting; have managers going through the lobby every 5 minutes to make sure no one is waiting.
- They have a mechanism (form) for receiving requests for volunteers, but it doesn't seem they're getting mission assignments.
- I'm not sure there's a broad understanding that volunteers can be requested for anything or by anyone other than EOC/SEOC.

Lauren

- Data by Red Cross: Dave G is trying to be as responsive as possible. Lauren was at meeting and said as close to verbatim as possible "the state says they need all this data, but they really only need this." She represents herself as being part of the SEOC, so they feel they're getting accurate information.
- Lauren indicates NG trucks are coming back full. Supplies are not actually going out because people won't open their doors to uniforms/government. Is she trying to boost ARC? I suspect truth is in the middle. But it's worth checking into the claim I think.
- Lauren was insistent that the end goal was to have a verified filter in every hand (or a rejection). Does that set the bar too high for what we communicate at the end of Sunday?

Ginna

- ARC teams. They had been asked to provide 12. Ginna suggested they didn't need to send that many. They hadn't heard of a change to their mission from SEOC so were planning to stick with 12.

- Picking winners/losers. Spreading rumors about ARC being incapable.
- Tony Lasher, Director of the Flint Red Cross, communicated he was very upset and frustrated at the comments passed to him through the United Way that Ginna had stated in a meeting with the Mott Foundation that Red Cross is not capable and should not be coordinating community meetings. Mott and United Way are both funders of American Red Cross, and he needs to maintain their (currently good) working relationships with those community partners.
- Tony specifically also asked several times for an explanation of Ginna's role/assigned tasks because they couldn't detect that there were any boundaries. I indicated that it involved donations management, but I would follow up.
- Deals with people behind closed doors; doesn't keep information flowing freely. Holds too much close.

Messaging

- JIC is not making space for local partner agencies (I believe Michelle may have reported this to you already)
- Local agencies should have direct line to JIC (info does not need to be passed through EOC).
- Businesses/restaurants/chamber are concerned that good messaging is not getting out (no water quality problems on Main Street, etc.)
- Messaging is very mixed: Chris doesn't believe water is safe for bathing; some are getting message bottles aren't safe. Some filters aren't safe. Britta has an image problem because early on, the cartridges in Britta filters weren't of the appropriate rating. People lump them all together.)

Logistics

- Lauren indicated NG trucks are coming back full and not going through inventory much at all. Blames it on people not wanting to open doors for government. She made it sound extreme. I did hear it from a couple of people at the community leaders' meeting, but difficult to ascertain how bad it is.
- If true, can we use more volunteer agencies to spearhead with their vehicles and add volunteers?

Community Leaders/Partners

- MTA is stepping up significantly, providing transportation for volunteers to/from ARC HQ/VRC
- MTA exec director indicated they have 83 busses that can be utilized mid-day between rush hours.
- There are many engaged community groups that have been working this for a long time. The local organizations are very much engaged, and there are several potential leaders.
- Of the "usual" MI-VOAD partners, Red Cross, Team Rubicon and Salvation Army are currently engaged. Others nationally are expressing interest through the FEMA VAL.
- A bright spot of the SE MI Recovery, a United Methodists startup, are bringing help from Detroit.

Recommendations

- Assure a ready reserve of GIS techs.
- Assign Deputy Operations Chief at EOC
- Define Lauren's role and limitations
- Require daily bullets of tasks/accomplishments from Lauren and Ginna.
- Not enough info makes it into MICIMS. (Lauren, Ginna, Chad Veeser do not have logins as far as I know. Perhaps they shouldn't, but there needs to be a daily reporting mechanism).
- Define Ginna's role: Limit to RECRUIT donations and acquire volunteer commitments from NCCC and Americorps. Once recruited (and not steered away from other organizations) leave assignments and deployment to logistics and VRC.
- External Affairs is being covered ad hoc by multiple people. An external affairs person/liaison needs to be assigned to the EOC to handle requests for info and VIP visits.
- Business Community: Identify a Liaison.
- MIVOAD.
- Investigate the ability to provide an interactive Google Map people could geolocate on and see ALL PODS, not just ours, would be great.

- Chris also said we should limit PODs to "get the most even coverage." I get that logistics is challenging, but with an in demand commodity, shouldn't we have as many PODs as we can maintain inventory status from?
- Giving shout outs to good partners (MTA, Penske, ARC, etc)
- Logistics needs additional support (e.g., one person for trucks, one person for water, etc.)
- Logistics is three lanes (one lane recruiting/acquiring; one lane deploy; one lane track)
- A board for incident plans or a secure website with basic plans, protocols, and contacts would boost coordination.

V/R,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 17:10
To: Sobocinski, Mike (MSP)
Subject: RE: urban

do you have adequate connections with either planning, community development, public works departments interfacing with their emergency managers to begin to potentially address these issues in hazard mitigation plans?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Friday, January 22, 2016 2:52 PM
To: Weber, Thomas (MSP)
Subject: urban

Hello –

I'm not sure whether any use has yet been found for the background text I had provided to you earlier this month, framing the current emergency in the context of long-term historical trends involving our older urban areas, but as part of longer-term planning beyond the current emergency, a broader approach should probably be taken. Our own internal news/media overview emails have pointed to various articles (e.g. below) referring to detected lead problems in other areas. Such problems do not necessarily stem from those urban water systems (i.e. paint, faucets, and pollution effects might be bigger causes in these areas) but it is something that probably needs to be put on a list for consideration, especially since there is such a large population living in the older urban districts where some indications of a problem have been reported, as in the following report summary:
http://bridgemi.com/2015/12/far-from-flint-lead-remains-an-irreversible-scourge/

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 11:29
To: Sobocinski, Mike (MSP); Leix, Ron (MSP)
Subject: RE: MSU speaker Tues

Thanks Mike.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Friday, January 22, 2016 11:09 AM
To: Weber, Thomas (MSP); Leix, Ron (MSP)
Subject: MSU speaker Tues

A speaker has been scheduled by MSU next week about the Flint situation.
I'm not sure what the tone will be, although the inability to distinguish between "lead" (Pb) and "led" (past tense) in the description suggests that it might have been thrown together opportunistically.
http://lbc.msu.edu/SpeakerSeries/

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 10:54
To: 'Michael Diebold'
Subject: RE: Flint

Thanks Michael, I hadn't seen that, but it's great! The only question I had, and you might check with Catholic Charities, in terms of donating specifically of filters, since they have to have a certain NSF/Ansi rating to filter Lead, Catholic Charities might prefer that only come in terms of money.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Michael Diebold [mailto:mdiebold@faithcatholic.com]
Sent: Friday, January 22, 2016 10:37 AM
To: Weber, Thomas (MSP)
Subject: RE: Flint

Tom -

Thanks for your note. The diocese is not setting up any new funds, but asking our parishes to partner with Catholic Charities of Shiawassee and Genesee, to promote the option of making direct contributions by visiting http://www.catholiccharitiesflint.org/ .

We've also been pointing pastors and bulletin editors to Bishop Boyea's most recent statement: http://dioceseoflansing.org/bishop_boyea_flint_012016

I hope this helps.

Michael

Michael D. Diebold
Director of Communications - Diocese of Lansing
FAITH Catholic
Publishing and Communications – Diocese of Lansing
1500 E. Saginaw St., Lansing, Michigan 48906
517.853.7660 | Toll-Free: 866.763.2484

Diocese of Lansing http://www.dioceseoflansing.org
FAITH Catholic www.faithcatholic.com
FAITH Magazine www.faithmag.com

From: Weber, Thomas (MSP) <WeberT1@michigan.gov>
Sent: Friday, January 22, 2016 8:32 AM
To: Michael Diebold
Subject: Flint

Good morning Michael,

I was talking with Fr. Mattson about this, and he suggested I get in touch with you. Is the diocese setting up any fund, or is the Faith in Flint initiative doing anything specific with regards to the water situation in Flint?

I'm being tasked here to serve as liaison between MSP and the regular "Voluntary Organizations Active in Disaster" which includes the national arms of Catholic Charities and St. Vincent de Paul (and they're both pretty heavily involved locally). I just wanted to make sure we weren't missing any opportunities for the diocese or the schools.

Thanks for any ideas, and I'm available to help find answers if there are any questions.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 22, 2016 08:33
To: 'mdiebold@dioceseoflansing.org'
Subject: Flint

Good morning Michael,

I was talking with Fr. Mattson about this, and he suggested I get in touch with you. Is the diocese setting up any fund, or is the Faith in Flint initiative doing anything specific with regards to the water situation in Flint?

I'm being tasked here to serve as liaison between MSP and the regular "Voluntary Organizations Active in Disaster" which includes the national arms of Catholic Charities and St. Vincent de Paul (and they're both pretty heavily involved locally). I just wanted to make sure we weren't missing any opportunities for the diocese or the schools.

Thanks for any ideas, and I'm available to help find answers if there are any questions.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
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4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 17:39
To: Fr. Steve Mattson
Cc: Tom Weber; Weber, Thomas (MSP); grandma cindi; Alex Dion; Dan Dowsett; Chris Spalding; Jacob Allstott
Subject: Re: Master Planning Priorities

I'll have meetings in Flint on Thursdays. Wednesday's are my best bet.

Sent from my iPhone

On Jan 21, 2016, at 11:47, Fr. Steve Mattson <smattson@resurrectionlansing.org> wrote:

> Dear Master Planning Committee:
>
> Any chance either next Wednesday between 5:15 and 6:45 or Thursday after 5:00 could work for a follow-up meeting on the Master Planning Process? The agenda would basically be to refine what we will communicate to Ann Dilcher about the Master Planning Priorities. (We would plan to meet at the parish offices.)
>
> Tom, my sense of what Ann was looking for was almost a "phasing" priority as they began the work of Master Planning. Clearly, the aspects of the project were a bit arbitrary, and I think our conversation will help us clarify what we want/need from them.
>
> Thanks, everyone!
>
> Fr. Steve
>
> Rev. Steven M. Mattson, Pastor
> Church of the Resurrection Parish Office
> 1601 E. Grand River Ave.
> Lansing, MI 48906
>
> Church Address
> 1505 E. Michigan Ave.
> Lansing, MI 48912
>
> (work) 517.482.4749
> www.resurrectionlansing.org
> Appointments: calendly.com/smattson/30min
>
> > On Jan 19, 2016, at 4:18 PM, Fr. Steve Mattson <smattson@resurrectionlansing.org> wrote:
> >
> > Dear Master Planning Committee:
> >
> > Ann Dilcher from Quinn Evans has asked for me to figure out our top three priorities for their initial efforts with the Master Planning process. This screen-

shot captures their list of items that we're interested in them addressing, but Ann asked that we get a sense from the team (and I want to get it from the staff and PPC as well) of what we would prioritize in terms of renovation work that we'd like to have done first.

If you would, please take a look at this sheet, and then fill out the form ranking the top four priorities for our master planning process. I've added "renovation of church sanctuary and lighting" as well.

<Master Planning Aspects.png>

If possible, please take some time to complete the form by the end of the day on Thursday.

Thanks,

fsm

Rev. Steven M. Mattson, Pastor
Church of the Resurrection Parish Office
1601 E. Grand River Ave.
Lansing, MI 48906

Church Address
1505 E. Michigan Ave.
Lansing, MI 48912

(work) 517.482.4749
www.resurrectionlansing.org
Appointments: calendly.com/smattson/30min

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 10:56
To: Sobocinski, Mike (MSP)
Subject: RE: Sample Silver Jacket team charters attached, something to start Michigan's with

As you know, I'm SOMEWHAT familiar with Silver Jackets, but not in depth.

I note in each state's agreement, the vision is stated slightly differently...Iowa mentions sustainability but limits it to flood hazards, Wisconsin generalizes "hazards," Minnesota specifies "natural hazards."

Thinking of our current emergency/disaster, how could we broaden the scope to milk every droplet of technical assistance we could hope to get from USACE? And though they have specific missions, it seems to me the vision should be "all hazards" commensurate with national "doctrine," if not practice.

I'll be in Flint the rest of the day.

Thanks for your thoughts.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

-----Original Message-----
From: Sobocinski, Mike (MSP)
Sent: Thursday, January 21, 2016 8:57 AM
To: Weber, Thomas (MSP)
Subject: FW: Sample Silver Jacket team charters attached, something to start Michigan's with

Hello -
Silver Jackets has been the means by which the U.S. Army Corps of Engineers coordinates with state government departments and other agencies. Most states have formalized a Silver Jackets team, but Michigan still hasn't.
http://silverjackets.nfrmp.us/
Matt, Joel, and I have been participants in these meetings for several years, and it feels comfortable to make the coordination official, using USACE's preferred method of agreeing to a charter.
I'm not sure whether Matt has discussed this at all, but it looks like something that would eventually go beyond my authority to make official. Therefore, I'm passing along some info about it, in this message to you.

Thanks,

Mike Sobocinski
Hazard Mitigation Planning Specialist

Emergency Management and Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

-----Original Message-----
From: Weidel, Mary T LRE [mailto:Mary.T.Weidel@usace.army.mil]
Sent: Thursday, January 14, 2016 2:59 PM
To: Ronda.Oberlin@lansingmi.gov; Lane, Byron (DEQ); Sobocinski, Mike (MSP)
Subject: Sample Silver Jacket team charters attached, something to start Michigan's with

All,

If you are interested in working with a small sub-team to work on a draft charter for Michigan, please see the attached samples of other state charters and let me know what you'd like to see in Michigan's document. Wisconsin just had theirs drafted and signed. Minnesota is currently working with the attached copy for updating it. Indiana is in the process of updating theirs also.

Please let me know if you will have a chance to collaborate on this before our next MI SJ meeting on Jan 29th. It would be great to have a draft document to discuss at that meeting.

Thank you,
Mary

Mary Weidel, PE, CFM
FPMS, Silver Jackets, and Flood Risk Manager Detroit District
313-226-3393

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 10:44
To: Kirby, Catherine (DIFS)
Subject: RE: Flint water crisis impacts

Catherine, thanks, this is great info to have.

And yes, the reason we ask is because FEMA programs cannot duplicate benefits. So, while FEMA would do a more in depth analysis if and when their programs are implemented, it helps at the beginning of emergencies and disasters to have a fairly reliable baseline number of how many properties are insured.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Thursday, January 21, 2016 10:20 AM
To: Weber, Thomas (MSP)
Cc: McPharlin, Pat (DIFS); Morante, Teri (DIFS); Miller, Andrea (DIFS)
Subject: RE: Flint water crisis impacts

Tom,
DIFS conducted a data call of authorized Michigan insurers and asked them to provide the number of total current homeowner policies in the zip codes that you provided below.

The insurers that responded to the data call reported an aggregate number of 31,087. While we are still waiting for some additional responses, the insurers that represent the majority of the market for premium written have reported. Any additional numbers will be minimal. We did receive some inquires (from both our leadership and insurance industry groups) as to why we requested this information. Is there an answer that you can share with me at this time that I can share with them?

Also, I feel I should reiterate that a homeowner's policy insures property against risks of direct physical loss that are not specifically excluded under the policy. A homeowner's policy excludes "discharge, disbursable, seepage, migration or escape of pollutants" unless it was caused by a covered cause of loss. The situation that occurred in the City of Flint would not be a covered loss.

Let me know if you any additional questions.

Thanks.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone 517- 284-8784
Toll Free 1-877-999-6442

DIFS
DEPARTMENT OF
INSURANCE AND
FINANCIAL SERVICES

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From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 12:57 PM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Thanks again Cathy.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Wednesday, January 13, 2016 12:56 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint water crisis impacts

Tom,
We will proceed with the data call. Our goal is to get something out to the insurers by COB today.
In the meantime, if you need anything else, please let me know.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone 517- 284-8784
Toll Free 1-877-999-6442

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From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 12:28 PM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Thanks Cathy, That's very helpful. We're trying to get the number for the presidential request, and we can make a call to the city, though they are usually not very precise, but we can work with that. I think going forward, any assistance we are able to get from FEMA is still going to need those numbers, so if you could go ahead with that, that would be great.

Here are the relevant zips:

48501
48502
48503
48504
48505
48506
48507
48509
48519
48529
48531
48532
48554

Thanks for your help!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Wednesday, January 13, 2016 12:20 PM
To: Weber, Thomas (MSP)

Cc: McPharlin, Pat (DIFS); Miller, Andrea (DIFS); Morante, Teri (DIFS)
Subject: RE: Flint water crisis impacts

Tom,
Though DIFS does not collect policy information from insurers, we do have the ability to request from them the number of Flint homeowners policies they write by conducting a data call. Please provide me with the exact zip codes that you would like included, we will issue the call and gather the information. It is possible we could provide you with an aggregate number early next week.

I have attached a copy of the relevant pages from the City of Flint's 2014 Comprehensive Annual Financial Report (CAFR) that outlines their commercial insurance coverage. This is the last report we have on file. The City does have the 2015 CAFR posted to their website. I did review the report and it appears the coverage is the same.

Please let me know if you have any questions.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone 517- 284-8784
Toll Free 1-877-999-6442

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From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 11:01 AM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Cathy,

Does the state have a database, or is there an easy way to find out what percent of homeowners have property insurance? And what levels of insurance a city such as Flint has itself?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Tuesday, January 12, 2016 4:22 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint water crisis impacts

Tom,
We can track complaints and/or calls from consumers with questions or issues with claim denials. However, DIFS would not have immediate access to the number of claims filed with health or property insurers relating to elevated blood lead levels.

As of today, we have received no formal complaints or consumer calls relating to elevated blood lead levels. DIFS will continue to track complaint and/or calls and I will let you know if we do.
Cathy

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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 3:55 PM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Does the department have any way of tracking claims or calls that are directly related to elevated blood lead levels? If so, have there been any that have been recorded?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Tuesday, January 12, 2016 3:45 PM
To: Weber, Thomas (MSP); Deacon, Brad (MDARD); Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); Thelen, Richard (DHHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC); Wells, Eden (DHHS); Krisztian, George (DEQ); Holmes, Virginia (DHHS)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: RE: Flint water crisis impacts

Tom,
The Department of Insurance and Financial Services (DIFS) offers the following in response to your request for a summary of agency information relating to the water crisis in Flint:

Similar to Medicaid coverage, individuals with private health insurance would have testing and treatment covered as long as a doctor ordered the services. Anyone with questions regarding their health insurance coverage or any health

insurance claims that are not approved by their health insurer can contact DIFS toll free at 1-877-999-6442 for assistance.

A homeowner's policy insures property against risks of direct physical loss that are not specifically excluded under the policy. A homeowner's policy excludes "discharge, disbursable, seepage, migration or escape of pollutants" unless it was caused by a covered cause of loss. The situation that occurred in the City of Flint would not be a covered loss.

DIFS stands ready to assist anyone who has questions regarding their health or property insurance.
Let me know if you have any questions.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone 517- 284-8784
Toll Free 1-877-999-6442

DIFS
DEPARTMENT OF
INSURANCE AND
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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:43 AM
To: Deacon, Brad (MDARD) <deaconb9@michigan.gov>; Wahl, Kathy (DHHS) <WahlK@michigan.gov>; Lixey-Terrill, Jennifer (DHHS) <LixeyTerrillJ@michigan.gov>; Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Wolfinger, Carol (MSP) <WolfingerC1@michigan.gov>; Feldpausch, Lynne (MEDC) <feldpauschl@michigan.org>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Krisztian, George (DEQ) <krisztiang@michigan.gov>; Kirby, Catherine (DIFS) <kirbyc@michigan.gov>; Holmes, Virginia (DHHS) <HolmesV@michigan.gov>
Cc: Pepper, Joel (MSP) <PepperJ@michigan.gov>; Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
Subject: RE: Flint water crisis impacts

The Governor/Captain have requested a draft letter by tonight, so, ANYTHING you could do to provide background info/incident summaries by 4pm is vital.

Thanks again for all your assistance,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile.

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:01 AM
To: Deacon, Brad (MDARD); Wahl, Kathy (DCH); Lixey Jennifer; Thelen, Richard (DHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC) (feldpauschl@michigan.org); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Ginna (holmesv@michigan.gov)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: Flint water crisis impacts

Good morning all,

We are preparing the draft of the letter from the governor to the president to request assistance. We are attempting to send this as quickly as humanly possible.

What we need from each agency is a complete but as brief as possible summary of the impacts to the people and economy of Flint resulting from the water crisis, prepared by the best qualified person in your agency.

This would include quantification of past, current, and future or potential future impacts including:

Health
Economic
Insurance (is there any coverage on the part of individuals, or the city or state that might help to cover damages?)
Contributions of voluntary agencies
Environmental; and
Infrastructure

There will be an opportunity to review the entire draft as it is pieced together, to make sure we are including every potential impact that will help to describe the severity of this crisis to the City of Flint and State of Michigan.

If there's any chance of getting summaries by the end of today (let me know what the minimum timeline is that you need), that would be great.

Thanks very much for your assistance,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 08:55
To: Martinez, Mark (MSP)
Subject: RE: Volunteers for CERT

I will again, yes sir. Chris hasn't made the call when the idea has been suggested before, but perhaps knowing there's a good specific mission assignment in mind will help.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Martinez, Mark (MSP)
Sent: Thursday, January 21, 2016 8:50 AM
To: Weber, Thomas (MSP)
Subject: RE: Volunteers for CERT

Can you let Flint/Genesee County know they are available if needed?

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 8:47 AM
To: Galbreath, Wendy (MSP)
Cc: Holmes, Virginia (DHHS); Martinez, Mark (MSP); Covey, Gabriel (MSP); Roach, Billie Jo (MSP); Veeser, Chad (DHHS)
Subject: RE: Volunteers for CERT

Thanks Wendy

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Galbreath, Wendy (MSP)
Sent: Thursday, January 21, 2016 8:42 AM
To: Weber, Thomas (MSP)
Cc: Holmes, Virginia (DHHS); Martinez, Mark (MSP); Covey, Gabriel (MSP); Roach, Billie Jo (MSP); Veeser, Chad (DHHS)
Subject: Re: Volunteers for CERT

CERT are not allowed to self-deploy. They can only be invited in.

Yes, they can come as an unaffiliated volunteer. It will not be as a CERT member.

Wendy Galbreath
MSP/EMHSD
Sent from my iPhone

On Jan 21, 2016, at 8:30 AM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> 211 sounds like a great option. If Chris didn't call them, can they still deploy as a CERT? or could they deploy together but as "unafilliated" volunteers?
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> ---
>
> **From:** Holmes, Virginia (DHHS)
> **Sent:** Thursday, January 21, 2016 8:03 AM
> **To:** Weber, Thomas (MSP); Martinez, Mark (MSP)
> **Cc:** Covey, Gabriel (MSP); Galbreath, Wendy (MSP); Roach, Billie Jo (MSP); Veeser, Chad (DHHS)
> **Subject:** Re: Volunteers for CERT
>
> I will be in the EOC in a few minutes. I will talk to Chris and we will coordinate.
>
> I am waiting to hear from Tom Page regarding the 211 calls - this could be a very nice role for CERTS to assist with the call volume. We will be first trying to utilize other state resources before going to volunteers.
>
> We have a lot of volunteer groups at this point and we are trying to find roles for them. If Chris does make the decision to call them in, I will recommend he have Chad Veeser be the point of contact in coordination with Red Cross and the Untied Way. As of Friday, I believe a Untied Way staff member is taking the role of Victoria.
>
> Ginna
>
> Ginna Holmes
> Executive Director
> Michigan Community Service Commission
> 235 S. Grand Ave., Suite 1108
> Lansing, MI 48933
>
> holmesv@michigan.gov
> (517) 335-4295

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 7:56 AM
To: Martinez, Mark (MSP); Holmes, Virginia (DHHS)
Cc: Covey, Gabriel (MSP); Galbreath, Wendy (MSP); Roach, Billie Jo (MSP)
Subject: RE: Volunteers for CERT

My understanding is that the local EM has to make the call. If that's been done, I think Dave Gutierrez would be a good point of contact on the ground in Flint. If not, I believe we need Chris DeVriendt to get in touch with the 2N EMs and make the official ask, at which point we can get them in touch with the VRC (unless Chris has another mission assignment he'd like to put them on).

Wendy, am I correct in that?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Martinez, Mark (MSP)
Sent: Thursday, January 21, 2016 7:53 AM
To: Weber, Thomas (MSP); Holmes, Virginia (DHHS)
Cc: Covey, Gabriel (MSP)
Subject: Volunteers for CERT

Tom & Virginia,

I have had a couple of requests from EM programs in 2 North about the possibility of sending their CERT to Flint to help out. I was in the SEOC yesterday and was given the name of Victoria from ARC at 810-730-5922. When I disseminated this information out, the person at the end of this tx number was not Victoria or helpful. Can you provide contact information for me to give to my programs in case they want to assist?

Thanks.

Lt. Mark A. Martinez
2 North District Coordinator
Emergency Management & Homeland Security
Division
Michigan State Police
MSP Metro Post
14350 Ten Mile Rd.,
Oak Park, MI 48237
Office: 248-584-5792
Cell:

Pager: 586 470-0147
Fax: 248 584-5783
"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
<image001.png>

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 08:47
To: Galbreath, Wendy (MSP)
Cc: Holmes, Virginia (DHHS); Martinez, Mark (MSP); Covey, Gabriel (MSP); Roach, Billie Jo (MSP); Veeser, Chad (DHHS)
Subject: RE: Volunteers for CERT

Thanks Wendy

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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Sent: Thursday, January 21, 2016 8:42 AM
To: Weber, Thomas (MSP)
Cc: Holmes, Virginia (DHHS); Martinez, Mark (MSP); Covey, Gabriel (MSP); Roach, Billie Jo (MSP); Veeser, Chad (DHHS)
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MSP/EMHSD
Sent from my iPhone

On Jan 21, 2016, at 8:30 AM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

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>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: *Holmes, Virginia (DHHS)*
Sent: Thursday, January 21, 2016 8:03 AM
To: Weber, Thomas (MSP); Martinez, Mark (MSP)
Cc: Covey, Gabriel (MSP); Galbreath, Wendy (MSP); Roach, Billie Jo (MSP); Veeser, Chad (DHHS)
Subject: Re: Volunteers for CERT

I will be in the EOC in a few minutes. I will talk to Chris and we will coordinate.

I am waiting to hear from Tom Page regarding the 211 calls - this could be a very nice role for CERTS to assist with the call volume. We will be first trying to utilize other state resources before going to volunteers.

We have a lot of volunteer groups at this point and we are trying to find roles for them. If Chris does make the decision to call them in, I will recommend he have Chad Veeser be the point of contact in coordination with Red Cross and the Untied Way. As of Friday, I believe a Untied Way staff member is taking the role of Victoria.

Ginna

Ginna Holmes
Executive Director
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

holmesv@michigan.gov
(517) 335-4295

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 7:56 AM
To: Martinez, Mark (MSP); Holmes, Virginia (DHHS)
Cc: Covey, Gabriel (MSP); Galbreath, Wendy (MSP); Roach, Billie Jo (MSP)
Subject: RE: Volunteers for CERT

My understanding is that the local EM has to make the call. If that's been done, I think Dave Gutierrez would be a good point of contact on the ground in Flint. If not, I believe we need Chris DeVriendt to get in touch with the 2N EMs and make the official ask, at which point we can get them in touch with the VRC (unless Chris has another mission assignment he'd like to put them on).

Wendy, am I correct in that?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910

Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Martinez, Mark (MSP)
Sent: Thursday, January 21, 2016 7:53 AM
To: Weber, Thomas (MSP); Holmes, Virginia (DHHS)
Cc: Covey, Gabriel (MSP)
Subject: Volunteers for CERT

Tom & Virginia,

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Thanks.

Lt. Mark A. Martinez
2 North District Coordinator
Emergency Management & Homeland Security
Division
Michigan State Police
MSP Metro Post
14350 Ten Mile Rd.,
Oak Park, MI 48237
Office: 248-584-5792
Cell:
Pager: 586 470-0147
Fax: 248 584-5783
"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
<image001.png>

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 08:31
To: Holmes, Virginia (DHHS); Martinez, Mark (MSP)
Cc: Covey, Gabriel (MSP); Galbreath, Wendy (MSP); Roach, Billie Jo (MSP); Veeser, Chad (DHHS)
Subject: RE: Volunteers for CERT

211 sounds like a great option. If Chris didn't call them, can they still deploy as a CERT? or could they deploy together but as "unafilliated" volunteers?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
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From: Holmes, Virginia (DHHS)
Sent: Thursday, January 21, 2016 8:03 AM
To: Weber, Thomas (MSP); Martinez, Mark (MSP)
Cc: Covey, Gabriel (MSP); Galbreath, Wendy (MSP); Roach, Billie Jo (MSP); Veeser, Chad (DHHS)
Subject: Re: Volunteers for CERT

I will be in the EOC in a few minutes. I will talk to Chris and we will coordinate.

I am waiting to hear from Tom Page regarding the 211 calls - this could be a very nice role for CERTS to assist with the call volume. We will be first trying to utilize other state resources before going to volunteers.

We have a lot of volunteer groups at this point and we are trying to find roles for them. If Chris does make the decision to call them in, I will recommend he have Chad Veeser be the point of contact in coordination with Red Cross and the Untied Way. As of Friday, I believe a Untied Way staff member is taking the role of Victoria.

Ginna

Ginna Holmes
Executive Director
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

holmesv@michigan.gov
(517) 335-4295

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 7:56 AM
To: Martinez, Mark (MSP); Holmes, Virginia (DHHS)
Cc: Covey, Gabriel (MSP); Galbreath, Wendy (MSP); Roach, Billie Jo (MSP)
Subject: RE: Volunteers for CERT

My understanding is that the local EM has to make the call. If that's been done, I think Dave Gutierrez would be a good point of contact on the ground in Flint. If not, I believe we need Chris DeVriendt to get in touch with the 2N EMs and make the official ask, at which point we can get them in touch with the VRC (unless Chris has another mission assignment he'd like to put them on).

Wendy, am I correct in that?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Martinez, Mark (MSP)
Sent: Thursday, January 21, 2016 7:53 AM
To: Weber, Thomas (MSP); Holmes, Virginia (DHHS)
Cc: Covey, Gabriel (MSP)
Subject: Volunteers for CERT

Tom & Virginia,

I have had a couple of requests from EM programs in 2 North about the possibility of sending their CERT to Flint to help out. I was in the SEOC yesterday and was given the name of Victoria from ARC at 810-730-5922. When I disseminated this information out, the person at the end of this tx number was not Victoria or helpful. Can you provide contact information for me to give to my programs in case they want to assist?

Thanks.

Lt. Mark A. Martinez
2 North District Coordinator
Emergency Management & Homeland Security
Division
Michigan State Police
MSP Metro Post
14350 Ten Mile Rd.,
Oak Park, MI 48237
Office: 248-584-5792
Cell
Pager: 586 470-0147
Fax: 248 584-5783

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

JOIN THE MSP

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 21, 2016 07:56
To: Martinez, Mark (MSP); Holmes, Virginia (DHHS)
Cc: Covey, Gabriel (MSP); Galbreath, Wendy (MSP); Roach, Billie Jo (MSP)
Subject: RE: Volunteers for CERT

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 20, 2016 17:07
To: Tom Weber (hotmail)
Subject: FW: Wednesday Jan. 20 update from the Flint Water Response Team

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Governor's Office [mailto:governorsoffice@govsubscriptions.michigan.gov]
Sent: Wednesday, January 20, 2016 4:54 PM
To: Weber, Thomas (MSP)
Subject: Wednesday Jan. 20 update from the Flint Water Response Team

FLINT WATER RESPONSE TEAM

UPDATE | WEDNESDAY, JANUARY 20, 2016

This daily update is being issued in order to provide the latest information regarding actions and available resources.

Yesterday, Governor Snyder delivered the State of the State address, in which he focused on Flint, a proud city in which residents are unable to drink the water that comes into their homes. Governor Snyder acknowledged that this is unacceptable and stated that this is a problem that we will fix, and fix quickly.

The Governor announced a new $28 million state supplemental spending bill that will fund additional bottled water, faucet filters and lead-testing kits for Flint households. The first step will also provide wraparound services, such as diagnostic testing, nurse visits and environmental assessments, as well as access to child and adolescent health centers.

Today, Governor Snyder is meeting with legislators and urging them to take immediate action on his Flint recovery plan.

This will not be the last budget request for Flint. Additional resources will be needed and asked for in the FY 2017 budget presentation.

A new website was also announced where you can sign up to volunteer in Flint: **www.HelpForFlint.com.** This site also has information on how to donate to the organizations working to get clean water resources to residents and who are focused on the long-term impacts on Flint's children.

In addition, Gov. Snyder has submitted an appeal to President Obama after the President denied a major disaster declaration-- a move that could potentially bring additional and much-needed resources to help the people of Flint.

REMINDERS

- For Flint water assistance: Dial 211 or visit www.mi.gov/FlintWater
- To volunteer or donate: visit www.HelpForFlint.com
- Residents should install filters to their taps to ensure they have immediate and ongoing access to safe water. Only run cold water through the water filter and use filtered water for drinking and cooking. Monitor the cartridge on the filter and replace as needed.

WATER RESOURCE LOCATIONS
These sites are open seven days a week from 9 a.m. to 9 p.m. with the following resources:

- Bottled water
- Water filters
- Replacement cartridges for water filters
- Water testing kits pick-up
- Drop-off location for water testing kits

Fire Station #1
310 East 5th St.
Flint, MI 48502

Fire Station #3
1525 Martin Luther King Ave.
Flint, MI 48503

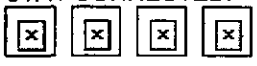
Fire Station #5
3402 Western Rd.
Flint, MI 48506

Fire Station #6
716 West Pierson Rd.
Flint, MI 48505

Fire Station #8
202 East Atherton Rd.
Flint, MI 48507

We will continue to work to improve the water situation in Flint. Community members and local officials are working together to make sure we hear and respond to concerns. Governor Snyder will continue to keep you updated on the latest news and information. **If you don't find the resources you need by dialing 211 please call the Governor's office directly at 517-335-7858.**

STAY CONNECTED:



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This email was sent to webert1@michigan.gov on behalf of: The Executive Office of the Governor · 111 South Capitol Avenue · Lansing, MI 48909 · 517-335-7858

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 20, 2016 15:44
To: 'Halliday, Kathryn'
Subject: RE: 2-1-1

Ok, thanks!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

-----Original Message-----
From: Halliday, Kathryn [mailto:Kathryn.Halliday@fema.dhs.gov]
Sent: Wednesday, January 20, 2016 3:43 PM
To: Weber, Thomas (MSP)
Subject: FW: 2-1-1

Fyi

Ginna is handling this. I spoke with her for a minute, she sounded really overwhelmed and had to jump off the phone, but pretty much said she was working it and would figure it out..

Katie Halliday, M.S.W.
DHS FEMA Region V | Voluntary Agency Liaison
536 South Clark Street 6th Floor | Chicago IL 60605
312.408.5358 desk
mobile
Kathryn.halliday@fema.dhs.gov

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-----Original Message-----
From: Gamble, Jason
Sent: Wednesday, January 20, 2016 3:02 PM
To: Galbreath, Wendy (MSP) <GalbreathW@michigan.gov>

Cc: Halliday, Kathryn <Kathryn.Halliday@fema.dhs.gov>
Subject: RE: 2-1-1

Wendy,

Katie may have access to some connections that could assist in identifying additional capacity for 2-1-1.

V/r,
Jason

Jason C. Gamble
Department of Homeland Security
Federal Emergency Management Agency (FEMA) Region V IMAT Operations Section Chief
Cell:
E-mail: Jason.gamble@fema.dhs.gov

-----Original Message-----
From: Galbreath, Wendy (MSP) [mailto:GalbreathW@michigan.gov]
Sent: Wednesday, January 20, 2016 1:40 PM
To: Gamble, Jason
Subject: FW: 2-1-1

Do you have any ideas on what we could do to fix this???

From: MSP-seoclgc
Sent: Wednesday, January 20, 2016 2:35 PM
To: Galbreath, Wendy (MSP)
Subject: FW: 2-1-1

FYI

From: MSP-seoclgc
Sent: Wednesday, January 20, 2016 2:33 PM
To: JICManager; Stoken, Laura (GOV)
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: FW: 2-1-1

Status of 2-1-1. We are checking on the possibility of increasing capacity.

I also sent to Tony Katarsky to for Capt. Kelenske's situational awareness.

Carol
State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: Thelen, Richard (DHHS)
Sent: Wednesday, January 20, 2016 2:24 PM
To: MSP-SEOCOPSC; MSP-seoclgc
Subject: FW: 2-1-1

From: Tom Page [mailto:tpage@uwmich.org]
Sent: Wednesday, January 20, 2016 2:19 PM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov<mailto:ThelenR4@michigan.gov>>
Subject: RE: 2-1-1

Richard,

My technology manager pulled the statewide call records for last night and the single longest wait time for all eight regions was 14 minutes at the Detroit center. Detroit was not taking Flint calls at that time. If the governor's office can share the voice mail or provide the number the caller used, we can pull the specific call information and determine when they called and if there was some delay our reporting system somehow missed.

Today is another story.

We are experiencing long delays today and do not have any additional capacity available to meet the goal of answering calls in under two minutes. Every available agent in the state, as well as supervisors and managers are handling calls, but the demand is so high that wait times are as long as 25 minutes. We are using our callback feature to offer callers the option of keeping their place in the queue and having 2-1-1 call them back when an agent is available, but the times are still much longer than we would like. The volume today appears to be a combination of demand based on the governor's speech and direction from the state web site to call 2-1-1, along with today being the first day call 2-1-1 to schedule to appointments for free tax preparation.

We doing everything in our power to respond to callers in a timely manner, but unless the volume goes down or a way is found to increase 2-1-1's capacity, we are at our limits.

Tom Page | Executive Director
Michigan 2-1-1 |330 Marshall Street, Suite 211, Lansing, MI 48912
Phone: 517-664-9811 | Email: tpage@uwmich.org<mailto:tpage@uwmich.org>

From: Thelen, Richard (DHHS) [mailto:ThelenR4@michigan.gov]
Sent: Wednesday, January 20, 2016 10:16 AM
To: Tom Page
Subject: RE: 2-1-1

Thanks Tom.

From: Tom Page [mailto:tpage@uwmich.org]
Sent: Wednesday, January 20, 2016 10:08 AM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov<mailto:ThelenR4@michigan.gov>>
Subject: RE: 2-1-1

Richard,

We're checking the call records for last night to verify wait times. Michigan 2-1-1 had additional staff on duty until 8:30 pm last night to handle any surge in call volume resulting from the governor's state of the state address. Through 9:00 pm there was no waiting time to get through to 2-1-1.

Will let you know what I learn from the overnight shift.

Tom Page | Executive Director
Michigan 2-1-1 |330 Marshall Street, Suite 211, Lansing, MI 48912
Phone: 517-664-9811 | Email: tpage@uwmich.org<mailto:tpage@uwmich.org>

From: Thelen, Richard (DHHS) [mailto:ThelenR4@michigan.gov]
Sent: Wednesday, January 20, 2016 9:30 AM
To: Tom Page
Cc: Holmes, Virginia (DHHS)
Subject: FW: 2-1-1
Importance: High

FYI

From: MSP-seoclgc
Sent: Wednesday, January 20, 2016 9:29 AM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov<mailto:ThelenR4@michigan.gov>>; MSP-EOC-MDHS <MSP-EOC-MDHS@michigan.gov<mailto:MSP-EOC-MDHS@michigan.gov>>
Subject: FW: 2-1-1
Importance: High

fyi

From: Stoken, Laura (GOV)
Sent: Wednesday, January 20, 2016 8:29 AM
To: MSP-seoclgc; JICManager
Cc: Sachs, Tori (GOV); Holland, Meegan (GOV)
Subject: 2-1-1
Importance: High

Hi There,

I received 2 voicemails overnight saying they waiting 30-45 minutes to get someone to answer at 2-1-1.

Just a heads up...

Laura Stoken
Manager, Constituent Relations
Executive Office of the Governor, Rick Snyder
517.335.7858

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 20, 2016 13:56
To: Pepper, Joel (MSP)
Cc: Katarsky, Anthony (MSP)
Subject: RE: FYI: follow-up to meeting

Thanks Joel,

Here were just a few thoughts from DCH and LARA. Pretty specific for what you needed now, but we can hang on to these as it gets fleshed out more.

DCH
"Wondering if it would be possible to add a question to the script. If they answer that they have filters, could the question be asked, "how long have they been lasting, or how often are you having to change them?"

They were curious once questions are scripted if they could have input.

And from LARA:
"LARA licensing staff have been contacting each licensed facility asking the following questions:

Are you on the Flint water system
Have you received filters
Have you received cartridges
Have you received bottled water
Are you aware of Michigan.gov/FlintWater
Do you need any other supplies, if so what
How many faucets are for drinking water
How many residents in your facility
Are you testing your water
If yes, when was the last test completed
Do you need your water tested

These questions are being asked to determine the resources needed for the specialized facilities. Once we have numbers and needs accumulated, we plan to have our staff go to these facilities and provide the supplies. This was a plan developed last week. I have looked at the questions on the IPAD and believe that over half of them have already been answered due to our survey. We could include someone with the IPAD to enter the data that hasn't been already provided.

Perhaps since each agency has specialized licensed facilities, we need to have a sit down - excluding MDE since the schools are already on our lists and in the works."

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Pepper, Joel (MSP)
Sent: Wednesday, January 20, 2016 1:36 PM
To: Weber, Thomas (MSP)
Subject: RE: FYI: follow-up to meeting

Thanks Tom! Tony caught me on the way in from lunch and told me he had sent the information on to the Captain. I will follow up with Tony to see if he wants the information that Jim and Amanda provided.

From: Weber, Thomas (MSP)
Sent: Wednesday, January 20, 2016 12:46 PM
To: Pepper, Joel (MSP); Tchorzynski, James (MSP); Bresler, Amanda (MSP)
Cc: Katarsky, Anthony (MSP)
Subject: RE: FYI: follow-up to meeting

I was checking with LARA on some details about their surveying of institutions. Tony indicated he's already sent it to Cap. Other than what LARA might have added, I didn't have anything else, just to make sure we don't duplicate any previously planned or existing efforts.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Pepper, Joel (MSP)
Sent: Wednesday, January 20, 2016 11:35 AM
To: Tchorzynski, James (MSP); Bresler, Amanda (MSP); Weber, Thomas (MSP)
Cc: Katarsky, Anthony (MSP)
Subject: FYI: follow-up to meeting
Importance: High

All,
Attached is my attempt to capture the essence of our meeting with Tony this morning. Get out your big red pen and have at it! Please send me your edits in "red" font. I will compile them and then send the final to Tony. I would appreciate having your edits by 1:30 at the latest as Tony would like the final version by no later than 2:00pm.

Thanks,
Joel

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 20, 2016 13:53
To: Towne, Karen (LARA)
Subject: RE: FYI: follow-up to meeting

Thanks Karen.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Towne, Karen (LARA)
Sent: Wednesday, January 20, 2016 1:39 PM
To: Weber, Thomas (MSP)
Cc: Burgess, Louis (MDE); Lixey-Terrill, Jennifer (DHHS); Wahl, Kathy (DHHS); Deacon, Brad (MDARD); MSP-EOC-MDEDUCTN
Subject: Re: FYI: follow-up to meeting

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Have you received filters
Have you received cartridges
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These questions are being asked to determine the resources needed for the specialized facilities. Once we have numbers and needs accumulated, we plan to have our staff go to these facilities and provide the supplies. This was a plan developed last week. I have looked at the questions on the IPAD and believe that over half of them have already been answered due to our survey. We could include someone with the IPAD to enter the data that hasn't been already provided.

Perhaps since each agency has specialized licensed facilities, we need to have a sit down - excluding MDE since the schools are already on our lists and in the works.

Sent from my iPad

On Jan 20, 2016, at 12:17 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

Thank you Louis.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Burgess, Louis (MDE)
Sent: Wednesday, January 20, 2016 12:16 PM
To: Weber, Thomas (MSP)
Cc: Towne, Karen (LARA); Lixey-Terrill, Jennifer (DHHS); Wahl, Kathy (DHHS); Deacon, Brad (MDARD); MSP-EOC-MDEDUCTN
Subject: RE: FYI: follow-up to meeting

Tom, I have staff review this document. MDE is not involved and there is no impact on any of our operations.

Louis

Louis Burgess
Michigan Department of Education
Emergency Management Coordinator
(517) 335-3672

From: Weber, Thomas (MSP)
Sent: Wednesday, January 20, 2016 12:05 PM
To: Towne, Karen (LARA) <TowneK2@michigan.gov>; Lixey-Terrill, Jennifer (DHHS) <LixeyTerrillJ@michigan.gov>; Wahl, Kathy (DHHS) <WahlK@michigan.gov>; Deacon, Brad (MDARD) <deaconb9@michigan.gov>; Burgess, Louis (MDE) <burgessl@michigan.gov>
Subject: FW: FYI: follow-up to meeting
Importance: High

Good afternoon,

We are putting together an abbreviated plan for distribution/canvassing protocols for the phase 2 canvassing. Since I had spoken with Karen about this before Tony asked several of us to put together a plan, could I ask each of you to quickly breeze through this to see if its consistent with anything your department may be planning? And if there are any things left out that you think should be there?

Karen, I had already outlined a few things in red that I added to the first draft given to me, so please let me know if those are off base or need something added.

Thanks, Tony is asking for this by 2. If there's any chance you could get a quick review back to me by 1230 or 1, that would be very much appreciated.

Thanks much!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Pepper, Joel (MSP)
Sent: Wednesday, January 20, 2016 11:35 AM
To: Tchorzynski, James (MSP); Bresler, Amanda (MSP); Weber, Thomas (MSP)
Cc: Katarsky, Anthony (MSP)
Subject: FYI: follow-up to meeting
Importance: High

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Thanks,
Joel

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 20, 2016 12:05
To: Towne, Karen (LARA); Lixey-Terrill, Jennifer (DHHS); Wahl, Kathy (DCH); Deacon, Brad (MDARD); Burgess, Louis (MDE)
Subject: FW: FYI: follow-up to meeting
Attachments: Commodity Distribution ConOps 2016-01-20.docx

Importance: High

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Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Pepper, Joel (MSP)
Sent: Wednesday, January 20, 2016 11:35 AM
To: Tchorzynski, James (MSP); Bresler, Amanda (MSP); Weber, Thomas (MSP)
Cc: Katarsky, Anthony (MSP)
Subject: FYI: follow-up to meeting
Importance: High

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Thanks,
Joel

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 19, 2016 14:41
To: plangc; MSP-seocda1
Subject: FW: Flint Briefing 15Jan16
Attachments: 2016-01-15 - Flint Lead MDHHS Sitrep CM.pdf

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Bouters, Janese (DHHS)
Sent: Tuesday, January 19, 2016 2:07 PM
To: Anderson, Paula (DHHS); Barr, Jacqui (DHHS); Becker, Timothy (DHHS); Beggs, Jennifer (DHHS); Bruneau, Michelle (DHHS); CDevriendt@co.genesee.mi.us; Cole, Stefanie (DHHS); Colston, Leslie (DHHS); DeMyers, Deborah (DHHS); Dykema, Linda D. (DHHS); Edwards, Cynthia (DHHS); Eggleston, Debbie (DHHS); Eisner, Jennifer (DHHS); Fiedler, Jay (DHHS); Fink, Brenda (DHHS); Foster, Erik (DHHS); Granger, Patricia (DHHS); Grijalva, Nancy (DHHS); Groetsch, Kory J. (DHHS); Harvey, Janice (DHHS); Hertel, Elizabeth (DHHS); Kaiser Van Dam, Paula (DHHS); Lasher, Geralyn (DHHS); Lyon, Nick (DHHS); McKane, Patricia (DHHS); Miller, Corinne (DHHS); Miller, Mark (DHHS); Minicuci, Angela (DHHS); Moran, Susan (DHHS); MVALACAK@gchd.us; Peeler, Nancy (DHHS); Priem, Wesley F. (DHHS); Priest, Chris (DHHS); Ridley, Nancy (DHHS); Robinson, Mikelle (DHHS); Rockefeller, Cheryl (DHHS); Scott, Jackie (DHHS); Shah, Sandip (DHHS); Sims, Teri (DHHS); Stanbury, Martha (DHHS); Stiffler, Kathleen A. (DHHS); Taylor, Kerri (DHHS); Thompson, Sheryl D. (DHHS); Titus, Laura (DHHS); tlarocco@gchd.us; Travis, Rashmi (DHHS); Turner, Jane (DHHS); Weber, Thomas (MSP); Wells, Eden (DHHS)
Subject: Flint Briefing 15Jan16

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 19, 2016 12:51
To: 'Cronin, Kasey'; Sean Costello
Subject: RE: FW: Flint Schools

Hi Kasey,

This particular program is the public schools in cooperation with the Genesee County Health Department. Any child is free to come for testing.

I was able to make contact with Suzanne Cupal from the health department, and she said you could contact her directly at 810-768-7970. She also indicated there will be a clinic at Freeman Elementary on the 26th from 3-6pm.

She also indicated this page on the county health website could possibly provide you some more info as well:

http://www.gchd.us/flint_drinking_water_resources.php

Let me know if there's anything else I can do.

Also, there's a community partners meeting in Flint on Thursday at the Red Cross. I'll be there on behalf of the state. If you or someone at the schools is interested, I should be able to get you an invite to that.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Cronin, Kasey [mailto:kcronin@powerscatholic.org]
Sent: Tuesday, January 19, 2016 10:31 AM
To: Weber, Thomas (MSP); Sean Costello
Subject: Re: FW: Flint Schools

Good Morning Tom,

While watching the news, I have noticed that they are provided testing for lead on students at Flint School sites. Is this something available to our students and families?

With appreciation,

Kasey V. Cronin

Executive Director,
Genesee County Catholic Schools

810-235-1812

On Mon, Jan 11, 2016 at 3:57 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:
Hi Kasey,

Sean recommended I get in touch with you. I just wanted to see if the schools were being reached out to, and if you had what you need relative to Flint's water emergency. I was also curious if you might have a good St. Vincent de Paul contact that we could get in touch with about helping to distribute donated water?

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security
Michigan State Police

From: Sean Costello [scostello@dioceseoflansing.org]
Sent: Monday, January 11, 2016 15:49
To: Weber, Thomas (MSP)
Subject: RE: Flint Schools

Tom,

Thank you for checking in with me. I apologize for not getting back with you sooner. Right now we have three schools that are on Flint water. In each location we have been receiving donations of bottled water to give to students and staff, so we are in good shape. I couldn't tell you how stocked up they are though. The best person to speak to regarding this would be Kasey Cronin, Executive Director for Genesee County Catholic Schools. She is our "boots on the ground" administrator in that region and she will have better answers for you. She can be reached at or at kcronin@powerscatholic.org

If you have any questions or would like a further explanation from me, don't hesitate to ask. I hope this helps. Thank you for all you do.
God bless,

Sean Costello
Superintendent
Diocese of Lansing
228 N. Walnut St.
Lansing, MI
48933

Fax: (517) 342-2468

-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Friday, January 08, 2016 2:40 PM
To: Sean Costello

Subject: Flint Schools

Good afternoon Sean,

I'm Father Mattson's soon to be former business manager at Res. But I'm currently with the Michigan State Police Emergency Management. Since Governor Snyder's proclamation of a State of Emergency on Tuesday, we're coordinating response and recovery activities. I wanted to check in with you and see if you've been getting all the support/communication you need from the Department of Education or otherwise on the needs the schools in Flint may have relative to emergency water and testing.

Please let me know if you need anything.

Sincerely,

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 19, 2016 12:15
To: Wolfinger, Carol (MSP)
Subject: Command and General Staff

Hi Carol,

Has the status of that class next week changed due to the Flint activation?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 19, 2016 11:09
To: 'Cronin, Kasey'; Sean Costello
Subject: RE: FW: Flint Schools

I will check on that. Do you happen to have a reference or which station you saw that on? There are some parallel efforts going on, so it might help me to track it down. Thanks Kasey.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Cronin, Kasey [mailto:kcronin@powerscatholic.org]
Sent: Tuesday, January 19, 2016 10:31 AM
To: Weber, Thomas (MSP); Sean Costello
Subject: Re: FW: Flint Schools

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With appreciation,

Kasey V. Cronin
Executive Director,
Genesee County Catholic Schools

810-235-1812

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Hi Kasey,

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Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security
Michigan State Police

From: Sean Costello [scostello@dioceseoflansing.org]
Sent: Monday, January 11, 2016 15:49
To: Weber, Thomas (MSP)
Subject: RE: Flint Schools

Tom,

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If you have any questions or would like a further explanation from me, don't hesitate to ask. I hope this helps. Thank you for all you do.
God bless,

Sean Costello
Superintendent
Diocese of Lansing
228 N. Walnut St.
Lansing, MI
48933
(517) 342-2483
Fax: (517) 342-2468

-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Friday, January 08, 2016 2:40 PM
To: Sean Costello
Subject: Flint Schools

Good afternoon Sean,

I'm Father Mattson's soon to be former business manager at Res. But I'm currently with the Michigan State Police Emergency Management. Since Governor Snyder's proclamation of a State of Emergency on Tuesday, we're coordinating response and recovery activities. I wanted to check in with you and see if you've been getting all the support/communication you need from the Department of Education or otherwise on the needs the schools in Flint may have relative to emergency water and testing.

Please let me know if you need anything.

Sincerely,

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 19, 2016 08:37
To: 'Gutierrez, David M.'; Bays, Justin R.; Lasher, Tony P.; jvenable@unitedwaygenesee.org; Holmes, Virginia (DHHS)
Cc: Halliday, Kathryn (Kathryn.Halliday@fema.dhs.gov)
Subject: RE: Community Partnership Thursday Meeting

I'm available to attend.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Gutierrez, David M. [mailto:David.Gutierrez@redcross.org]
Sent: Monday, January 18, 2016 7:18 PM
To: Bays, Justin R.; Lasher, Tony P.; jvenable@unitedwaygenesee.org; Holmes, Virginia (DHHS)
Cc: Halliday, Kathryn (Kathryn.Halliday@fema.dhs.gov); Weber, Thomas (MSP)
Subject: Community Partnership Thursday Meeting
Importance: High

Hi,
Can you please ensure that Katie Halliday and Tom Weber receive the information for the community partnerships meeting this Thursday.

Thank you,

David M. Gutierrez | Division Disaster Director
American Red Cross

Crossroads Division
100 Mack Avenue
Detroit, Michigan 48244
(c)
David.gutierrez@redcross.org

From: Halliday, Kathryn [mailto:Kathryn.Halliday@fema.dhs.gov]
Sent: Monday, January 18, 2016 7:06 PM
To: Gutierrez, David M.
Subject: Thursday Meeting

Hi Dave,

Do you have any details you can send me about Thursday's partner meeting in Flint? I'd like to see if myself, my Ops Chief and someone from the State (hopefully Tom Weber) can come out. Would like to share info with our leadership here.

Thanks!
Katie

Katie Halliday, M.S.W.
DHS FEMA Region V | Voluntary Agency Liaison
536 South Clark Street 6th Floor | Chicago IL 60605
312.408.5358 desk
nobile
Kathryn.halliday@fema.dhs.gov

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 19, 2016 08:35
To: Pepper, Joel (MSP); Schnepp, Matt (MSP)
Subject: the final edit
Attachments: 2015-10 Flint Water Appeal Disaster Denial DRAFT-JP TK REVS 2015-01-18 - PS Rev2.docx

Here's the final edit we had.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 17:42
To: Katarsky, Anthony (MSP)
Subject: try this one
Attachments: 2015-10 Flint Water Appeal Disaster Denial DRAFT-JP TK REVS 2015-01-18 - PS Rev2.docx

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 17:38
To: Katarsky, Anthony (MSP)
Subject: Revised copy
Attachments: 2015-10 Flint Water Appeal Disaster Denial DRAFT-JP TK REVS 2015-01-18 - PS Rev.docx

Attached..

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 17:24
To: Kelenske, Chris (MSP)
Cc: Katarsky, Anthony (MSP)
Subject: Draft
Attachments: 2015-10 Flint Water Appeal Disaster Denial DRAFT-JP TK REVS 2015-01-18 - PS Rev.docx

Attached is the revision with Paul's requested changes.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 16:09
To: 'Bays, Justin R.'; Halliday, Kathryn; Baker, Zachary (MSP)
Subject: RE: Conference Call to Update on Water Recovery

Thanks Justin

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Bays, Justin R. [mailto:justin.bays2@redcross.org]
Sent: Monday, January 18, 2016 3:58 PM
To: Halliday, Kathryn; Weber, Thomas (MSP); Baker, Zachary (MSP)
Subject: Fwd: Conference Call to Update on Water Recovery

Justin Bays

Director of Recovery Operations
American Red Cross
justin.bays2@redcross.org
(c)

Sent from my Verizon Wireless 4G LTE DROID

-------- Original Message --------
Subject: Conference Call to Update on Water Recovery
From: Mary Lloyd <msmarylloyd@hotmail.com>
To: "James_Warfield@usc.salvationarmy.org" <james_warfield@usc.salvationarmy.org>,beggs@teamrubiconusa.org,greg@drawbuckets.org,nbimlds@gmail.com,jtewell42@gmail.com,ywang163@binghamton.edu,dpguikema@hotmail.com,"MiVOAD Chuck McDougall, EC The Salvation Army, Michigan" <charles_mcdougall@usc.salvationarmy.org>,calleen_austin@usc.salvationarmy.org,mjsimmons@teamrubiconusa.org,"Dintenfass, Linda" <linda.dintenfass2@redcross.org>,kmtoben@gmail.com,info@mcrainc.com,brusue221@aol.com,"ThelenR4@michigan.gov" <thelenr4@michigan.gov>,david_chen21c@yahoo.com,tzuhua114@gmail.com,thepoprule@hotmail.com,k2buell@aol.com,"Annette Wright, Alafia Foundation, MiVOAD Vice Chair"

<alafia4hope@gmail.com>,"WeberT1@michigan.gov"
<webert1@michigan.gov>,ronda.oberlin@lansingmi.gov,"Spata, Paul"
<paul.spata@redcross.org>,afrez@livgov.com,d1rmrc-
mary@sbcglobal.net,mimertamta@yahoo.com,sgamalski@hotmail.com,"Hassan.Hammoud@liveunitedsem.org" <hassan.hammoud@liveunitedsem.org>,Diana Bruch
<dbruch@misda.org>,spearson@habitatmichigan.org,"MiVOAD Rev Keith Nelson, EC, Vice Chair Baptist Missionary,Ed State Convention" <secondolivet@gmail.com>,"MiVOAD Bob Hayes, EC Michigan Southern Baptist DR" <hayesrl@ameritech.net>,MiVOAD Win Williams SBC Disaster Relief
<carwin40@sbcglobal.net>,maplerivers@gmail.com,jwhitehurst@gryphon.org,kennysutter@hotmail.com,vinny315@gmail.com,Mary Lloyd
<msmarylloyd@hotmail.com>,jeremy_wicks@yahoo.com,skuipers@worldrenew.net,grossg@michigan.gov,pepperj@michigan.gov,"AFeldpausch@habitatmichigan.org"
<afeldpausch@habitatmichigan.org>,"mszost@LapeerCounty.org"
<mszost@lapeercounty.org>,bobnj50@yahoo.com,mcaison@namb.net,midschteacher@gmail.com,msoliman@irusa.org,"RuddockR@michigan.gov" <ruddockr@michigan.gov>,"Regina.moran@fema.dhs.gov"
<regina.moran@fema.dhs.gov>,"Nicholas Meier, HOPE AACR, MiVOAD Executive Committee"
<detourlawyer@gmail.com>,reuben@hands.org,matthewsl@bluffton.edu,oak1michelle@gmail.com,deacon.beckyw@gmail.com,"VeeserC@michigan.gov" <veeserc@michigan.gov>,"Bays, Justin R."
<justin.bays2@redcross.org>,"Info@DrawBuckets.org"
<info@drawbuckets.org>,dunklek@michigan.gov,schneppm1@michigan.gov,d1rmrc-
matt@sbcglobal.net,missiondetroit@detroitpresbytery.org,"Kathryn.Halliday@fema.dhs.gov"
<kathryn.halliday@fema.dhs.gov>
CC:

Everyone,
Justin Bays of American Red Cross asked that you and other MiVOAD team members join conference call at **3pm, Tuesday, January 19th.**
Conference number:

- **641-715-3274**
- **Code:**

The call is to update MiVOAD members on happenings in Flint Water.

Mary Lloyd
Secretary/Treasurer
313-247-0792

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 15:43
To: Halliday, Kathryn (Kathryn.Halliday@fema.dhs.gov); Baker, Zachary (MSP)
Subject: FW: Conference Call to Update on Water Recovery

Fyi...

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Mary Lloyd [mailto:msmarylloyd@hotmail.com]
Sent: Monday, January 18, 2016 3:42 PM
To: James_Warfield@usc.salvationarmy.org; beggs@teamrubiconusa.org; greg@drawbuckets.org; nbimlds@gmail.com; jtewell42@gmail.com; ywang163@binghamton.edu; dpguikema@hotmail.com; MiVOAD Chuck McDougall, EC The Salvation Army, Michigan; calleen_austin@usc.salvationarmy.org; mjsimmons@teamrubiconusa.org; linda.dintenfass2@redcross.org; kmtoben@gmail.com; info@mcrainc.com; brusue221@aol.com; Thelen, Richard (DHHS); david_chen21c@yahoo.com; tzuhua114@gmail.com; thepoprule@hotmail.com; k2buell@aol.com; Annette Wright, Alafia Foundation, MiVOAD Vice Chair; Weber, Thomas (MSP); ronda.oberlin@lansingmi.gov; paul.spata@redcross.org; afrez@livgov.com; d1rmrc-mary@sbcglobal.net; mimertamta@yahoo.com; sgamalski@hotmail.com; Hassan.Hammoud@liveunitedsem.org; Diana Bruch; spearson@habitatmichigan.org; MiVOAD Rev Keith Nelson, EC, Vice Chair Baptist Missionary,Ed State Convention; MiVOAD Bob Hayes, EC Michigan Southern Baptist DR; MiVOAD Win Williams SBC Disaster Relief; maplerivers@gmail.com; jwhitehurst@gryphon.org; kennysutter@hotmail.com; vinny315@gmail.com; Mary Lloyd; jeremy_wicks@yahoo.com; skuipers@worldrenew.net; Gross, Garry (DHHS); Pepper, Joel (MSP); AFeldpausch@habitatmichigan.org; mszost@LapeerCounty.org; bobnj50@yahoo.com; mcaison@namb.net; midschteacher@gmail.com; msoliman@irusa.org; Ruddock, Rachel (DHHS); Regina.moran@fema.dhs.gov; Nicholas Meier, HOPE AACR, MiVOAD Executive Committee; reuben@hands.org; matthewsl@bluffton.edu; oak1michelle@gmail.com; deacon.beckyw@gmail.com; Veeser, Chad (DHHS); justin.bays2@redcross.org; Info@DrawBuckets.org; Dunkle, Katie (DHHS); Schnepp, Matt (MSP); d1rmrc-matt@sbcglobal.net; missiondetroit@detroitpresbytery.org; Kathryn.Halliday@fema.dhs.gov
Subject: Conference Call to Update on Water Recovery

Everyone,
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Conference number:

- 641-715-3274
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Mary Lloyd
Secretary/Treasurer
313-247-0792

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 14:46
To: Kelenske, Chris (MSP)
Cc: Katarsky, Anthony (MSP)
Subject: Draft Appeal
Attachments: 2015-10 Flint Water Appeal Disaster Denial DRAFT-JP & TK REVS 2015-01-18.docx

Captain,

The letter drafted and reviewed by me, Joel, and Tony is attached. Please let me know if you need anything else.

V/R,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 14:26
To: Galbreath, Wendy (MSP)
Cc: Roach, Billie Jo (MSP)
Subject: RE: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint

Clear, thanks!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Galbreath, Wendy (MSP)
Sent: Monday, January 18, 2016 2:11 PM
To: Weber, Thomas (MSP)
Cc: Roach, Billie Jo (MSP)
Subject: Re: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint

Yes, BJ did it last night.

Wendy Galbreath
MSP/EMHSD
Sent from my iPhone

On Jan 18, 2016, at 12:29 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> Could Chris D. call CERTs to enlist help with the below?
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> ---
>
> **From:** Veeser, Chad (DHHS)
> **Sent:** Monday, January 18, 2016 12:25 PM
> **To:** Mary Lloyd; James_Warfield@usc.salvationarmy.org; beggs@teamrubiconusa.org; greg@drawbuckets.org; nbimlds@gmail.com; jtewell42@gmail.com; ywang163@binghamton.edu;

dpquikema@hotmail.com; MiVOAD Chuck McDougall, EC The Salvation Army, Michigan; calleen_austin@usc.salvationarmy.org; mjsimmons@teamrubiconusa.org; pastor@dansvilleumc.com; linda.dintenfass2@redcross.org; kmtoben@gmail.com; info@mcrainc.com; brusue221@aol.com; Thelen, Richard (DHHS); david_chen21c@yahoo.com; tzuhua114@gmail.com; thepoprule@hotmail.com; k2buell@aol.com; Annette Wright, Alafia Foundation, MiVOAD Vice Chair; Weber, Thomas (MSP); ronda.oberlin@lansingmi.gov; paul.spata@redcross.org; afrez@livgov.com; d1rmrc-mary@sbcglobal.net; mimertamta@yahoo.com; sgamalski@hotmail.com; Hassan.Hammoud@liveunitedsem.org; Diana Bruch; spearson@habitatmichigan.org; MiVOAD Rev Keith Nelson, EC, Vice Chair Baptist Missionary,Ed State Convention; MiVOAD Bob Hayes, EC Michigan Southern Baptist DR; MiVOAD Win Williams SBC Disaster Relief; maplerivers@gmail.com; jwhitehurst@gryphon.org; kennysutter@hotmail.com; vinny315@gmail.com; Mary Lloyd; jeremy_wicks@yahoo.com; skuipers@worldrenew.net; Gross, Garry (DHHS); Pepper, Joel (MSP); AFeldpausch@habitatmichigan.org; mszost@LapeerCounty.org; bobnj50@yahoo.com; mcaison@namb.net; midschteacher@gmail.com; msoliman@irusa.org; Regina.moran@fema.dhs.gov; Nicholas Meier, HOPE AACR, MiVOAD Executive Committee; reuben@hands.org; matthewsl@bluffton.edu; oak1michelle@gmail.com; deacon.beckyw@gmail.com; Info@DrawBuckets.org; Dunkle, Katie (DHHS); Schnepp, Matt (MSP); d1rmrc-matt@sbcglobal.net; missiondetroit@detroitpresbytery.org; Halliday, Kathryn
Cc: victoria.fryer@redcross.org; Bays, Justin R.
Subject: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint
Importance: High

There is an urgent need for up to 200 volunteers a day to support door-to-door delivery of water, test kits, and filters in Flint. **This is a critical provision of water necessities for the residents of Flint.** And we need your help!

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Thank you!

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 13:30
To: Katarsky, Anthony (MSP); Pepper, Joel (MSP)
Subject: minor revisions
Attachments: 2015-10 Flint Water Appeal Disaster Denial DRAFT.docx

Tony/Joel,

Per Tony's comments and his and my conversation, attached are a few edits.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 12:57
To: Katarsky, Anthony (MSP); Pepper, Joel (MSP)
Subject: revised draft
Attachments: 2015-10 Flint Water Appeal Disaster Denial DRAFT.docx

Here is the revised draft of an appeal letter.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 12:37
To: plangc; MSP-seocda1; MSP-seocda2
Subject: RE: Franchise Customers

Clear! ☺

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: plangc
Sent: Monday, January 18, 2016 12:34 PM
To: Weber, Thomas (MSP); MSP-seocda1; MSP-seocda2
Subject: RE: Franchise Customers

Thanks Tom. The local EOC is supposed to be sending those numbers to us, however, it is spotty.

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 12:32 PM
To: plangc; MSP-seocda1; MSP-seocda2
Subject: Franchise Customers

I assume this is being covered in the inventory you guys have, but since its franchise customers outside city limits, I thought I'd pass it to you just in case.

http://www.mlive.com/news/flint/index.ssf/2016/01/franchise_customers_with_flint.html

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Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 12:37
To: Roach, Billie Jo (MSP)
Subject: RE: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint

Thanks BJ

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Roach, Billie Jo (MSP)
Sent: Monday, January 18, 2016 12:37 PM
To: Weber, Thomas (MSP)
Subject: Re: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint

Hi Tom, I sent out a mass email to all of the EMC in my region requesting CERT or citizen Corp volunteers. So far I have not received any responses I have off also contacted U of M Flint which included Kettering for volunteers. I will keep you advised

Sent from my iPhone

On Jan 18, 2016, at 12:29 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> Could Chris D. call CERTs to enlist help with the below?
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> ---
>
> **From:** Veeser, Chad (DHHS)
> **Sent:** Monday, January 18, 2016 12:25 PM
> **To:** Mary Lloyd; James_Warfield@usc.salvationarmy.org; beggs@teamrubiconusa.org; greg@drawbuckets.org; nbimlds@gmail.com; jtewell42@gmail.com; ywang163@binghamton.edu; dpguikema@hotmail.com; MiVOAD Chuck McDougall, EC The Salvation Army, Michigan; calleen_austin@usc.salvationarmy.org; mjsimmons@teamrubiconusa.org; pastor@dansvilleumc.com;

linda.dintenfass2@redcross.org; kmtoben@gmail.com; info@mcrainc.com; brusue221@aol.com; Thelen, Richard (DHHS); david_chen21c@yahoo.com; tzuhua114@gmail.com; thepoprule@hotmail.com; k2buell@aol.com; Annette Wright, Alafia Foundation, MiVOAD Vice Chair; Weber, Thomas (MSP); ronda.oberlin@lansingmi.gov; paul.spata@redcross.org; afrez@livgov.com; d1rmrc-mary@sbcglobal.net; mimertamta@yahoo.com; sgamalski@hotmail.com; Hassan.Hammoud@liveunitedsem.org; Diana Bruch; spearson@habitatmichigan.org; MiVOAD Rev Keith Nelson, EC, Vice Chair Baptist Missionary,Ed State Convention; MiVOAD Bob Hayes, EC Michigan Southern Baptist DR; MiVOAD Win Williams SBC Disaster Relief; maplerivers@gmail.com; jwhitehurst@gryphon.org; kennysutter@hotmail.com; vinny315@gmail.com; Mary Lloyd; jeremy_wicks@yahoo.com; skuipers@worldrenew.net; Gross, Garry (DHHS); Pepper, Joel (MSP); AFeldpausch@habitatmichigan.org; mszost@LapeerCounty.org; bobnj50@yahoo.com; mcaison@namb.net; midschteacher@gmail.com; msoliman@irusa.org; Regina.moran@fema.dhs.gov; Nicholas Meier, HOPE AACR, MiVOAD Executive Committee; reuben@hands.org; matthewsl@bluffton.edu; oak1michelle@gmail.com; deacon.beckyw@gmail.com; Info@DrawBuckets.org; Dunkle, Katie (DHHS); Schnepp, Matt (MSP); d1rmrc-matt@sbcglobal.net; missiondetroit@detroitpresbytery.org; Halliday, Kathryn
Cc: victoria.fryer@redcross.org; Bays, Justin R.
Subject: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint
Importance: High

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For additional details or questions, *please call Justin Bays, cell number: 313-402-3691 (justin.bays2@redcross.org).* The United Way of Genesee County along with its partners, 211, and with support from the Michigan Community Service Commission, continue to partner with the Red Cross to stand up this Community VRC, and you may also inquire w/ 211 directly for additional details re: the Flint Water Recovery.

Thank you!

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 12:32
To: plangc; MSP-seocda1; MSP-seocda2
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http://www.mlive.com/news/flint/index.ssf/2016/01/franchise_customers_with_flint.html

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4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 12:33
To: 'Halliday, Kathryn'; Baker, Zachary (MSP)
Subject: RE: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint

Thanks Katie

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
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From: Halliday, Kathryn [mailto:Kathryn.Halliday@fema.dhs.gov]
Sent: Monday, January 18, 2016 12:31 PM
To: Weber, Thomas (MSP); Baker, Zachary (MSP)
Subject: RE: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint

Thank you – I did get this from Chad.

I also touched base with Tom Page at 2-1-1 today. It has not been confirmed that United Way will take over VRC operations. They are considering it, but concerned about their ability to staff and physical space so they have not yet made this commitment.

Katie Halliday, M.S.W.
DHS FEMA Region V | Voluntary Agency Liaison
536 South Clark Street 6th Floor | Chicago IL 60605
312.408.5358 desk
mobile
Kathryn.halliday@fema.dhs.gov

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From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Monday, January 18, 2016 12:29 PM
To: Halliday, Kathryn <Kathryn.Halliday@fema.dhs.gov>; Baker, Zachary (MSP) <BakerZ@michigan.gov>

Subject: FW: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint
Importance: High

Fyi if you're not on the distribution...

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Subject: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint
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Cc: Galbreath, Wendy (MSP)
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Importance: High

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Subject: FW: CRITICAL NEED from MI VOAD and Partners: Door-to-Door Work in Flint

Importance: High

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Thank you!

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 11:48
To: Katarsky, Anthony (MSP)
Subject: draft
Attachments: 2015-10 Flint Water Appeal Disaster Denial DRAFT.docx

Here's the first draft...

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 18, 2016 08:41
To: Katarsky, Anthony (MSP)
Subject: draft letter
Attachments: Appeal Letter forPresidentialDeclarationDenial_Flint_DRAFT.doc

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 15, 2016 15:40
To: Baker, Zachary (MSP)
Subject: Fwd: Flint Briefing 14Jan16
Attachments: image001.jpg; ATT00001.htm; 2016-01-14 - Flint Lead MDHHS CM Sitrep.pdf; ATT00002.htm

Sent from my iPhone

Begin forwarded message:

From: "Bouters, Janese (DHHS)" <BoutersJ@michigan.gov>
Date: January 15, 2016 at 15:11:02 EST
To: "Anderson, Paula (DHHS)" <AndersonP3@michigan.gov>, "Barr, Jacqui (DHHS)" <BarrJ3@michigan.gov>, "Becker, Timothy (DHHS)" <beckert1@michigan.gov>, "Beggs, Jennifer (DHHS)" <beggsj@michigan.gov>, "Bruneau, Michelle (DHHS)" <BruneauM@michigan.gov>, "CDevriendt@co.genesee.mi.us" <CDevriendt@co.genesee.mi.us>, "Cole, Stefanie (DHHS)" <ColeS4@michigan.gov>, "Colston, Leslie (DHHS)" <ColstonL@michigan.gov>, "DeMyers, Deborah (DHHS)" <DeMyersD@michigan.gov>, "Dykema, Linda D. (DHHS)" <DykemaL@michigan.gov>, "Edwards, Cynthia (DHHS)" <EdwardsC@michigan.gov>, "Eggleston, Debbie (DHHS)" <egglestond@michigan.gov>, "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>, "Fiedler, Jay (DHHS)" <FiedlerJ@michigan.gov>, "Fink, Brenda (DHHS)" <FinkB@michigan.gov>, "Foster, Erik (DHHS)" <FosterE@michigan.gov>, "Granger, Patricia (DHHS)" <GrangerP@michigan.gov>, "Grijalva, Nancy (DHHS)" <GrijalvaN@michigan.gov>, "Groetsch, Kory J. (DHHS)" <GroetschK@michigan.gov>, "Harvey, Janice (DHHS)" <HarveyJ1@michigan.gov>, "Hertel, Elizabeth (DHHS)" <HertelE@michigan.gov>, "Kaiser Van Dam, Paula (DHHS)" <KaiserP@michigan.gov>, "Lasher, Geralyn (DHHS)" <lasherg@michigan.gov>, "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>, "McKane, Patricia (DHHS)" <McKaneP@michigan.gov>, "Miller, Corinne (DHHS)" <MillerC39@michigan.gov>, "Miller, Mark (DHHS)" <millerm1@michigan.gov>, "Minicuci, Angela (DHHS)" <MinicuciA@michigan.gov>, "Moran, Susan (DHHS)" <MoranS@michigan.gov>, "MVALACAK@gchd.us" <MVALACAK@gchd.us>, "Peeler, Nancy (DHHS)" <PeelerN@michigan.gov>, "Priem, Wesley F. (DHHS)" <priemw@michigan.gov>, "Priest, Chris (DHHS)" <PriestC1@michigan.gov>, "Ridley, Nancy (DHHS)" <RidleyN@michigan.gov>, "Robinson, Mikelle (DHHS)" <RobinsonM18@michigan.gov>, "Rockefeller, Cheryl (DHHS)" <RockefellerC@michigan.gov>, "Scott, Jackie (DHHS)" <ScottJ14@michigan.gov>, "Shah, Sandip (DHHS)" <shahs@michigan.gov>, "Sims, Teri (DHHS)" <SimsT2@michigan.gov>, "Stanbury, Martha (DHHS)" <stanburym@michigan.gov>, "Stiffler, Kathleen A. (DHHS)" <StifflerK@michigan.gov>, "Taylor, Kerri (DHHS)" <TaylorK10@michigan.gov>, "Thompson, Sheryl D. (DHHS)" <ThompsonS2@michigan.gov>, "Titus, Laura (DHHS)" <TitusL@michigan.gov>, "tlarocco@gchd.us" <tlarocco@gchd.us>, "Travis, Rashmi (DHHS)" <TravisR@michigan.gov>, "Turner, Jane (DHHS)" <TurnerJ1@michigan.gov>, "Weber, Thomas (MSP)" <WeberT1@michigan.gov>, "Wells, Eden (DHHS)" <WellsE3@michigan.gov>
Subject: Flint Briefing 14Jan16

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Boutery
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 15, 2016 14:04
To: Katarsky, Anthony (MSP)
Cc: Pepper, Joel (MSP)
Subject: revised disaster request
Attachments: FEMA Form 010-0-13 Presidential Declaration Request Flint Water Disaster 2016-01-14 REV.pdf

Here's the pdf of the revised disaster request.

All three docs are open and on my desktop. Tony has the password. The letter is on the s drive in the disaster/flint/declaration folder.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 15, 2016 13:35
To: Katarsky, Anthony (MSP)
Cc: Pepper, Joel (MSP)
Subject: revised
Attachments: Revised Letter to President - Flint Water 2015-01-14 CLEAR DRAFT REV.docx; FEMA Form 010-0-13 Presidential Declaration Request Flint Water Emergency 2016-01-14 REV.pdf

Joel's adobe crashed. He is redoing the disaster form. Here are the letter and the emergency form.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 15, 2016 12:40
To: Katarsky, Anthony (MSP)
Subject: revised doc
Attachments: Revised Letter to President - Flint Water 2015-01-14 CLEAR DRAFT REV.docx

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From:	*Weber, Thomas (MSP)*
Sent:	Friday, January 15, 2016 11:58
To:	Katarsky, Anthony (MSP)
Cc:	Pepper, Joel (MSP)
Subject:	revised docs
Attachments:	Revised Letter to President - Flint Water 2015-01-14 CLEAR DRAFT.docx; FEMA Form 010-0-13 Presidential Declaration Request Flint Water Emergency 2016-01-14 REV.pdf

Here are the letter and emergency request revised.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 15, 2016 11:24
To: 'Halliday, Kathryn'
Subject: RE: Flint: VRC Overview and Notes from 1-13-16 Calls

Thanks Katie

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Halliday, Kathryn [mailto:Kathryn.Halliday@fema.dhs.gov]
Sent: Friday, January 15, 2016 11:23 AM
To: Weber, Thomas (MSP); Baker, Zachary (MSP)
Subject: Re: Flint: VRC Overview and Notes from 1-13-16 Calls

Thanks, Tom. So you are aware, I'm on standby to most likely deploy with the IMAT if an emergency dec comes through.

Katie Halliday
FEMA Voluntary Agency Liaison
718-747-4565

From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Friday, January 15, 2016 10:13 AM
To: Baker, Zachary (MSP) <BakerZ@michigan.gov>; Halliday, Kathryn
Subject: FW: Flint: VRC Overview and Notes from 1-13-16 Calls

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Mary Lloyd [mailto:msmarylloyd@hotmail.com]
Sent: Friday, January 15, 2016 10:48 AM
To: James_Warfield@usc.salvationarmy.org; beggs@teamrubiconusa.org; greg@drawbuckets.org; nbimlds@gmail.com;

jtewell42@gmail.com; ywang163@binghamton.edu; dpquikema@hotmail.com; MiVOAD Chuck McDougall, EC The Salvation Army, Michigan; calleen_austin@usc.salvationarmy.org; mjsimmons@teamrubiconusa.org; linda.dintenfass2@redcross.org; kmtoben@gmail.com; info@mcrainc.com; brusue221@aol.com; Thelen, Richard (DHHS); david_chen21c@yahoo.com; tzuhua114@gmail.com; thepoprule@hotmail.com; k2buell@aol.com; Annette Wright, Alafia Foundation, MiVOAD Vice Chair; Weber, Thomas (MSP); ronda.oberlin@lansingmi.gov; paul.spata@redcross.org; afrez@livgov.com; d1rmrc-mary@sbcglobal.net; mimertamta@yahoo.com; sgamalski@hotmail.com; Hassan.Hammoud@liveunitedsem.org; Diana Bruch; spearson@habitatmichigan.org; MiVOAD Rev Keith Nelson, EC, Vice Chair Baptist Missionary,Ed State Convention; MiVOAD Bob Hayes, EC Michigan Southern Baptist DR; MiVOAD Win Williams SBC Disaster Relief; maplerivers@gmail.com; jwhitehurst@gryphon.org; kennysutter@hotmail.com; vinny315@gmail.com; Mary Lloyd; jeremy_wicks@yahoo.com; skuipers@worldrenew.net; Gross, Garry (DHHS); Pepper, Joel (MSP); AFeldpausch@habitatmichigan.org; mszost@LapeerCounty.org; bobnj50@yahoo.com; mcaison@namb.net; midschteacher@gmail.com; msoliman@irusa.org; Ruddock, Rachel (DHHS); Regina.moran@fema.dhs.gov; Nicholas Meier, HOPE AACR, MiVOAD Executive Committee; reuben@hands.org; matthewsl@bluffton.edu; oak1michelle@gmail.com; deacon.beckyw@gmail.com; Veeser, Chad (DHHS); justin.bays2@redcross.org; Info@DrawBuckets.org; Dunkle, Katie (DHHS); Schnepp, Matt (MSP); d1rmrc-matt@sbcglobal.net; missiondetroit@detroitpresbytery.org
Subject: Flint: VRC Overview and Notes from 1-13-16 Calls

As of January 15th, there are more updates to follow. Mary, Secretary/Treasurer MiVOAD, 313-247-0792

From: VeeserC@michigan.gov
To: msmarylloyd@hotmail.com; kennysutter@hotmail.com; justin.bays2@redcross.org
CC: HolmesV@michigan.gov; HunterJ8@michigan.gov; MartusD@michigan.gov
Subject: VRC Overview and Notes from 1-13-16 Calls
Date: Wed, 13 Jan 2016 21:28:50 +0000

1. The overview is good detail to use re: the VRC. Please send along to the group.

2. Notes (my apologies for innacuracies):

- Jeannie – Region 5 FEMA Val. Will be out of the country and Katie Halliday will fill in for the interim.
- Zach Baker – State Police/Homeland Security. Update on current big picture details.
- Peter Plumb – United Methodists. Have multiple sites at churches in the Flint area. Would like help getting word out. JIC needs info, and 211 could also list as a partner.
- Annette and Raven Wright – Alafia. Starter water distribution last year, and have partnered with Pierce Elementary.
- Nick Meijer – Hope Animal-Assisted Crisis Response. Can have teams come in to volunteer. K-9 support (3 teams). Alafia would like support. *Is there housing for volunteers?* Justin to look in to this
- Virginia Zimmerman – DHHS/EMS Emergency Response and Medical Reserve Corps. Level 2 activation. Info gathering now. Mon-Sun availability, 8am-8pm. Willing to support door-to-door, data entry, etc. Medical and general volunteer lists. 8000 in total database state-wide, 83 general category in Genesee. *Need official request from SEOC to activate.*
- Diana Brook – Adventists Community Services. 300+ volunteers available. Also have water. Would like to send along water (see below).
- Ken Sutter – MDS and President of MI VOAD. Gene Rivers and LDS Church has water and volunteers. Chad gave details earlier (and see below).
- Mary Lloyd – Presbyterians and Secretary MI VOAD. Will notify Presbyterians and will work w/ Peter re: communications of United Methodist Church sites. Peter to help w/ language for release of info.

- Justin Bays – Red Cross. Review of VRC and general job opportunities – as many as possible (for now) to staff *firehouse (just found out the hand over timing and amounts are in flux as of this moment), door-to-door canvassing, data entry, Community VRC staffing, and more to come!*
- Chad Veeser – MCSC. Will send details (here). Supporting response and will facilitate volunteer requests and job descriptions from EOCs to and from VRC.

3. Details re: water donations:

AMERICAN RED CROSS - EAST CENTRAL BAY CHAPTER
1401 South Grand Traverse Street Flint, MI 48503
(810) 232-1401 Main

SERVICE DESCRIPTION: Accepts donations of 100 cases or less of bottled water for the City of Flint declared disaster. Other related items such as water filters, etc may also be accepted.
ELIGIBILITY: No restrictions
APPLICATION PROCESS: Walk-ins accepted
DOCUMENTS REQUIRED: No documentation required
SERVICE HOURS: Sat-Sun 9am-4pm

CATHOLIC CHARITIES OF SHIAWASSEE AND GENESEE COUNTIES – CENTER OF HOPE
517 East Fifth Avenue Flint, MI 48503
(810) 785-6911 Main
www.ccsgc.org

SERVICE DESCRIPTION: Accepts donations of 100 cases of bottled water or less for Flint Water declared disaster. Other related items such as water filters, etc. may also be accepted.
ELIGIBILITY: No restrictions
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FOOD BANK OF EASTERN MICHIGAN
2300 Lapeer Road Flint, MI 48503
(810) 239-4441 Main
www.fbem.org

SERVICE DESCRIPTION: Accepts large size donations of cases of bottled water for Flint Water declared disaster.
ELIGIBILITY: No restrictions
APPLICATION PROCESS: Call to schedule large size donation.
DOCUMENTS REQUIRED: No documentation required
SERVICE HOURS: Mon-Fri 8:30am-4:30pm, Sat 9am-12noon

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 15, 2016 11:14
To: Baker, Zachary (MSP); Halliday, Kathryn (Kathryn.Halliday@fema.dhs.gov)
Subject: FW: Flint: VRC Overview and Notes from 1-13-16 Calls
Attachments: Overview Community Volunteer Reception Center_1-13-16.pdf

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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ELIGIBILITY: No restrictions
APPLICATION PROCESS: Call to schedule large size donation.
DOCUMENTS REQUIRED: No documentation required
SERVICE HOURS: Mon-Fri 8:30am-4:30pm, Sat 9am-12noon

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 23:18
To: Manning, Peter (AG)
Subject: Re: Freeman - New Faucets

Thanks Peter

Sent from my iPhone

On Jan 14, 2016, at 23:13, Manning, Peter (AG) <ManningP@michigan.gov> wrote:

> Tom,
>
> I think this was covered in my review of the letter requesting a presidential declaration today. If I need to look at this tomorrow, let me know.
>
> Peter
>
> **From:** Weber, Thomas (MSP)
> **Sent:** Thursday, January 14, 2016 2:59 PM
> **To:** Manning, Peter (AG) <ManningP@michigan.gov>
> **Subject:** FW: Freeman - New Faucets
>
> Peter,
>
> This is some text LARA wanted to add to the letter. I think all the other agencies have reviewed with minor comments. One DHHS made was that in one of the early paragraphs where the Legionnaires issue is mentioned, to strike the last sentence and to leave it that the source is being investigated.
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> ---
>
> **From:** MSP-EOC-MDLARA
> **Sent:** Thursday, January 14, 2016 2:49 PM
> **To:** Weber, Thomas (MSP); Zimmer, Mike (LARA); Moon, Jason (LARA)
> **Subject:** FW: Freeman - New Faucets
>
> Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division, will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following DEQ's initial testing. Twenty-two outlets did not show elevated lead

exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets- $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating the cost for replacement at $55 million.

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 21:44
To: Katarsky, Anthony (MSP)
Subject: updated final edits
Attachments: FEMA Form 010-0-13 Presidential Declaration Request Flint Water Emergency 2016-01-14.pdf; Revised Letter to President - Flint Water 2015-01-14 CLEAR DRAFT.docx

attached

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 21:21
To: Katarsky, Anthony (MSP)
Cc: Pepper, Joel (MSP)
Subject: just in case
Attachments: FEMA Form 010-0-13 Presidential Declaration Request Flint Water Emergency 2016-01-14.pdf

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 20:36
To: Katarsky, Anthony (MSP)
Cc: Pepper, Joel (MSP)
Subject: cover letter and FEMA form
Attachments: FEMA Form 010-0-13 Presidential Declaration Request Flint Water Emergency 2016-01-14.pdf; Revised Letter to President - Flint Water 2015-01-14 CLEAR DRAFT.docx; Revised Letter to President - Flint Water 2015-01-14 Hilighted DRAFT.docx

Here are two versions of the cover letter Paul asked to have sent to Mr. Redford (he'll be doing the final edit). One with the additional agency entries highlighted in yellow, and a "clean" version. A PDF of the FEMA form for the Emergency is also attached.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 20:33
To: Pepper, Joel (MSP)
Subject: text

Number 8
In early May 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer. Based on the 2010 U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children in under 6 are high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting EBL. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

Number 9
All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 18:51
To: Katarsky, Anthony (MSP)
Subject: FW: final agency edits

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Smith, Paul (GOV)
Sent: Thursday, January 14, 2016 6:47 PM
To: Weber, Thomas (MSP)
Subject: RE: final agency edits

Here is what I have now:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare a Major Disaster and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Assuming that we request both, I think this will be sufficient. Thanks!

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 6:45 PM
To: Smith, Paul (GOV) <SmithP29@michigan.gov>
Subject: RE: final agency edits

We can fix it here, yes. It will depend on whether it ends up emergency or disaster.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Smith, Paul (GOV)
Sent: Thursday, January 14, 2016 6:01 PM
To: Weber, Thomas (MSP)
Subject: RE: final agency edits

Is the citation in the brackets in the first line correct? Does it need to be filled out? Why are the brackets there? Can you fix that part for me if it needs any fixing? Thanks!

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 4:56 PM
To: Smith, Paul (GOV) <SmithP29@michigan.gov>
Cc: Kelenske, Chris (MSP) <KelenskeC@michigan.gov>; Katarsky, Anthony (MSP) <KatarskyA@michigan.gov>
Subject: final agency edits

Paul,

Here is the current draft with the substantive changes highlighted in yellow. Also attached is the FEMA form. Unfortunately I can only do that as a pdf, so any changes will have to be done here.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 16:56
To: Smith, Paul (GOV)
Cc: Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: final agency edits
Attachments: Declaration Request Cover Letter Template-1 Flint Water 2016 Emergency DRAFT.docx; FEMA Form 010-0-13 Presidential Declaration Request Flint Water 2016-01-14 DRAFT2.pdf

Paul,

Here is the current draft with the substantive changes highlighted in yellow. Also attached is the FEMA form. Unfortunately I can only do that as a pdf, so any changes will have to be done here.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 16:52
To: Towne, Karen (LARA)
Subject: RE: Data request for Flint Water Crisis

Thanks Karen

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Towne, Karen (LARA)
Sent: Thursday, January 14, 2016 4:48 PM
To: Weber, Thomas (MSP)
Subject: Fwd: Data request for Flint Water Crisis

Your staffer asked for this so we requested through TED

Sent from my iPad

Begin forwarded message:

> **From:** "Teri Martin (MEDC)" <martint19@michigan.org>
> **Date:** January 14, 2016 at 4:41:45 PM EST
> **To:** "townek2@michigan.gov" <townek2@michigan.gov>
> **Cc:** "Lynne Feldpausch (MEDC)" <feldpauschl@michigan.org>, 'Melanie Brown' <BrownM45@michigan.gov>
> **Subject: FW: Data request for Flint Water Crisis**
>
> Here is the information you requested earlier today.
>
> **Teri L. Martin**
> Facility Services Manager
> **Michigan Economic Development Corporation/**
> **Talent & Economic Development**
> 300 N. Washington Square | Lansing, MI 48913
> Office: 517.241.2190 Cell:
> martint19@michigan.org
>
> **From:** Lauren Branneman (MEDC)
> **Sent:** Thursday, January 14, 2016 4:20 PM
> **To:** Teri Martin (MEDC) <martint19@michigan.org>

Cc: John Groen (MEDC) <groenj1@michigan.org>; Steve Bakkal (MEDC) <bakkals@michigan.org>; Xiamei Xu (MEDC) <xux@michigan.org>
Subject: RE: Data request for Flint Water Crisis

Teri,

In response to the urgent request for average employment by establishment in Genesee County/Flint, Corporate Research has prepared the following assessment.

Because proprietary sources (i.e. Dun & Bradstreet, InfoUSA) tend to have incomplete and/or exaggerated employment estimates, we rely upon the Bureau of Labor Statistics, which provides the information at the county level. This gives an idea of the situation in Flint.

Genesee Covered Employment/Establishments, Private	Preliminary
Total covered employment (Jun '15)	116,090
Number of (covered) establishments (Q2 2015)	6,723
Average no. employees per establishment	17.3

Source: BLS, QCEW June 2015 preliminary employment/establishment estimates.

Genesee Covered Employment/Establishments, Private, Less GM	Estimated
Total covered employment (Jun '15)	109,796
Number of (covered) establishments (Q2 2015)	6,717
Average no. employees per establishment	16.3

Source: BLS, QCEW June 2015 preliminary employment/establishment estimates; GM reported estimates.

GM observed employees, Genesee County	*6,294*
GM locations, Genesee County	*6*

Source: http://media.gm.com/media/us/en/gm/plants-facilities.html

http://media.gm.com/media/us/en/gm/company_info/facilities/cca/davison.html

http://media.gm.com/media/us/en/gm/company_info/facilities/stamping/fmc.html

http://media.gm.com/media/us/en/gm/company_info/facilities/toolling-ctrs/flint.html

http://media.gm.com/media/us/en/gm/company_info/facilities/cca/flint.html

http://media.gm.com/media/us/en/gm/company_info/facilities/assembly/flint.html

http://media.gm.com/media/us/en/gm/company_info/facilities/powertrain/flint.html

Though we do not generally rely upon the employment numbers from Dun & Bradstreet (D&B), the detailed information can be useful. For that reason, we have also included (in the attached spreadsheet) two lists of businesses: one for the City of Flint, and one for Genesee County (includes Flint records). Each business record includes a physical address, location type, and a NAICS description. Please note that the D&B lists include both public (government, nonprofit sectors) and private establishments, and attempt to account for business locations that are not covered by unemployment insurance (UI). This means that the count of establishments from D&B will greatly exceed the establishment count from the BLS (which includes only covered employment and businesses).

If we can assist with anything else, please let us know.

Best,

Lauren Branneman
Manager, Corporate Research

Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.373.4392
brannemanl@michigan.org

This message contains information which may be confidential and privileged. Unless you are the intended recipient (or authorized to receive this message for the intended recipient), you may not use, copy, disseminate or disclose to anyone the message or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail, and delete the message. Thank you very much.

From: John Groen (MEDC)
Sent: Thursday, January 14, 2016 11:50 AM
To: Steve Bakkal (MEDC); Lauren Branneman (MEDC); Xiamei Xu (MEDC)
Subject: FW: Data request for Flint Water Crisis
Importance: High

You may have already gotten this request from Lynne... Please see the email trail from Teri...

It looks like they would like a D&B list of businesses and employees in Flint. Let me know if you would like me to assist.

From: Teri Martin (MEDC)
Sent: Thursday, January 14, 2016 11:46 AM
To: John Groen (MEDC)
Subject: FW: Data request for Flint Water Crisis
Importance: High

John, can you please assist with this request? It is urgent as a result of the Flint crisis.

Let me know...

Thanks!

Teri L. Martin
Facility Services Manager
Michigan Economic Development Corporation/
Talent & Economic Development
300 N. Washington Square | Lansing, MI 48913
Office: 517.241.2190 Cell:
martint19@michigan.org

From: Lynne Feldpausch (MEDC)
Sent: Thursday, January 14, 2016 11:44 AM
To: Teri Martin (MEDC) <martint19@michigan.org>
Subject: RE: Data request for Flint Water Crisis

We can likely pull this information in ED Strategy.

Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913

Office: 517.335.0587 | Fax: 517.241.3060
feldpauschl@michigan.org
Follow me on Twitter: @LynneFeldpausch

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From: Teri Martin (MEDC)
Sent: Thursday, January 14, 2016 11:38 AM
To: Kimberly Berry (TIA)
Cc: Lynne Feldpausch (MEDC); 'Melanie Brown'
Subject: Data request for Flint Water Crisis
Importance: High

Karen Towne from LARA just called me and asked for a report showing the average # of employees for each business in Flint. She says that the info that they current have shows 900+ registered businesses. She would like 2 runs, one with GM and one without.

Please let me know if this is something you can assist with.

Thank you!
Teri

Teri L. Martin
Facility Services Manager
Michigan Economic Development Corporation/
Talent & Economic Development
300 N. Washington Square | Lansing, MI 48913
Office: 517.241.2190 Cell:
martint19@michigan.org

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 15:31
To: Deacon, Brad (MDARD)
Subject: RE: Review of Draft Presidential Declaration Request

Got it, thanks Brad.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Deacon, Brad (MDARD)
Sent: Thursday, January 14, 2016 3:19 PM
To: Katarsky, Anthony (MSP)
Cc: Weber, Thomas (MSP)
Subject: RE: Review of Draft Presidential Declaration Request

Sorry for the delay. Recommend slight modification to MDARD portion on Page 6

Bolded is new
There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). In both cases we **have identified** higher priorities **for outreach.** All of those **establishments** received a letter in October **2015** with guidance; all of them will receive revised guidance **over the next few days.** There are 97 gas stations within the city which are within those food license numbers, **and** we are planning additional outreach to them as part of our efforts. ~~MDARD will be working with on potential next steps with the Flint Farmers' Market.~~

No **licensed** animal shelters exist in the water service area ~~that we are aware of~~. The primary focus is and should be on residences where they also have **may have** pets. There are two **veterinary** clinics in the City, and we **have made** individualized **follow** up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

From: Katarsky, Anthony (MSP)
Sent: Thursday, January 14, 2016 12:17 PM
To: Deacon, Brad (MDARD); Lixey-Terrill, Jennifer (DHHS); Manning, Peter (AG); Towne, Karen (LARA); Feldpausch, Lynne (MEDC); Doll, Jeanette (DTMB); Wolf, Jennifer (DNR); chad.d.randall.mil@mail.mil; Burgess, Louis (MDE); Kirby, Catherine (DIFS); Luepnitz, Ann (Treasury)
Cc: Thelen, Richard (DHHS); Kelenske, Chris (MSP); Weber, Thomas (MSP)
Subject: Review of Draft Presidential Declaration Request

Attached for review and approval by your agency are two documents: 1) the letter to President Obama and 2) an associated FEMA request form. Both are based on information provided state agencies. Please review for content

before they are sent to the Governor's office for final review and editing. This has been promised to the Governor by early afternoon, so please review as quickly as possible, but no later than by 1:30 PM.

Please let me know if you have any questions by calling my cell at :

Anthony P. Katarsky
Assistant Division Commander
Michigan State Polia ce
Emergency Management and Homeland Security Division
517-336-2686

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 14:59
To: Manning, Peter (AG)
Subject: *FW: Freeman - New Faucets*

Peter,

This is some text LARA wanted to add to the letter. I think all the other agencies have reviewed with minor comments. One DHHS made was that in one of the early paragraphs where the Legionnaires issue is mentioned, to strike the last sentence and to leave it that the source is being investigated.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: MSP-EOC-MDLARA
Sent: Thursday, January 14, 2016 2:49 PM
To: Weber, Thomas (MSP); Zimmer, Mike (LARA); Moon, Jason (LARA)
Subject: *FW: Freeman - New Faucets*

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division, will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following DEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets- $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating the cost for replacement at $55 million.

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 12:05
To: Leix, Ron (MSP)
Cc: Katarsky, Anthony (MSP)
Subject: *draft*
Attachments: Declaration Request Cover Letter Template-1 Flint Water 2016 Emergency DRAFT.docx

Ron, Here's the draft. It has yet to be reviewed by AG or Department Directors. Cap STRESSED the JIC is not to put anything out or change anything in the draft.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: [redacted]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 11:55
To: Katarsky, Anthony (MSP)
Subject: the dec drafts
Attachments: Declaration Request Cover Letter Template-1 Flint Water 2016 Emergency DRAFT.docx; FEMA Form 010-0-13 Presidential Declaration Request Flint Water 2016-01-14 DRAFT.pdf

Here are the files sir.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 10:50
To: Feldpausch, Lynne (MEDC)
Subject: RE: UP Freeze

Great, thanks, and sounds promising, or at least hopeful!?

Thanks again,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Lynne Feldpausch (MEDC) [mailto:feldpauschl@michigan.org]
Sent: Thursday, January 14, 2016 10:21 AM
To: Weber, Thomas (MSP)
Subject: RE: UP Freeze

Good morning, Tom!
You are correct. We did have$6m in micro loans available through our MSF-CDBG program for the Deep Freeze project. Unfortunately, we cannot spend CDBG in Flint or Genesee County since Flint receives their own direct allocation. However, we are evaluating if Flint could ask for direct dollars from HUD for an "emergency" situation (assuming the locals have not already done this).

Lynne

Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060
feldpauschl@michigan.org
Follow me on Twitter: @LynneFeldpausch

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From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Thursday, January 14, 2016 7:57 AM
To: Lynne Feldpausch (MEDC)
Subject: UP Freeze

Hi Lynne,

Part of the presidential letter is summarizing state costs for recent disasters. The MEDC made $6 million in low interest loans to UP communities after the freeze, is that correct?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: [redacted]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 14, 2016 08:36
To: Pepper, Joel (MSP)
Subject: Emailing: Declaration Request Cover Letter Template-1 Flint Water 2016 Emergency DRAFT
Attachments: Declaration Request Cover Letter Template-1 Flint Water 2016 Emergency DRAFT.docx

For your review/amendment...

Your message is ready to be sent with the following file or link attachments:

Declaration Request Cover Letter Template-1 Flint Water 2016 Emergency DRAFT

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 17:23
To: Wahl, Kathy (DHHS)
Subject: RE: Rick Sadler Stress Indicators

GIS put together a map of Stress Indicators for Flint. Though it's unclear why. And they don't have a legend to explain the levels. I thought it LOOKED compelling, and I could use it if I had the explanation of the levels.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Wahl, Kathy (DHHS)
Sent: Wednesday, January 13, 2016 5:22 PM
To: Weber, Thomas (MSP)
Subject: RE: Rick Sadler Stress Indicators

In what context.

Kathy

Office: 517-335-8489
Cell:

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From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 5:20 PM
To: Lixey-Terrill, Jennifer (DHHS) <LixeyTerrillJ@michigan.gov>; Wahl, Kathy (DHHS) <WahlK@michigan.gov>
Subject: Rick Sadler Stress Indicators

Are either of you familiar with the subject line of this email?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police

4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 17:22
To: Pepper, Joel (MSP)
Subject: FW: Declaration
Attachments: Timeline JW -cv2.docx

Info from DEQ!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: [redacted]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: MSP-EOC-MDEQ
Sent: Wednesday, January 13, 2016 5:20 PM
To: Weber, Thomas (MSP)
Subject: Declaration

Cost estimate added.

SEOC OPS Health and Env MDEQ
SEOC Desk 517-336-2676
Cell
MSP-EOC-MDEQ@michigan.gov

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 16:48
To: Baker, Zachary (MSP)
Subject: FW: Flint Briefing 12Jan16
Attachments: 2016-01-12 - Flint Lead MDHHS Sitrep.pdf

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Bouters, Janese (DHHS)
Sent: Wednesday, January 13, 2016 4:46 PM
To: Anderson, Paula (DHHS); Barr, Jacqui (DHHS); Becker, Timothy (DHHS); Beggs, Jennifer (DHHS); Bruneau, Michelle (DHHS); CDevriendt@co.genesee.mi.us; Cole, Stefanie (DHHS); Colston, Leslie (DHHS); DeMyers, Deborah (DHHS); Dykema, Linda D. (DHHS); Edwards, Cynthia (DHHS); Eggleston, Debbie (DHHS); Eisner, Jennifer (DHHS); Fink, Brenda (DHHS); Foster, Erik (DHHS); Granger, Patricia (DHHS); Grijalva, Nancy (DHHS); Groetsch, Kory J. (DHHS); Harvey, Janice (DHHS); Hertel, Elizabeth (DHHS); Kaiser Van Dam, Paula (DHHS); Lasher, Geralyn (DHHS); Lyon, Nick (DHHS); McKane, Patricia (DHHS); Miller, Corinne (DHHS); Miller, Mark (DHHS); Minicuci, Angela (DHHS); Moran, Susan (DHHS); MVALACAK@gchd.us; Peeler, Nancy (DHHS); Priem, Wesley F. (DHHS); Priest, Chris (DHHS); Ridley, Nancy (DHHS); Robinson, Mikelle (DHHS); Rockefeller, Cheryl (DHHS); Scott, Jackie (DHHS); Shah, Sandip (DHHS); Sims, Teri (DHHS); Stanbury, Martha (DHHS); Stiffler, Kathleen A. (DHHS); Taylor, Kerri (DHHS); Thompson, Sheryl D. (DHHS); Titus, Laura (DHHS); tlarocco@gchd.us; Travis, Rashmi (DHHS); Turner, Jane (DHHS); Weber, Thomas (MSP); Wells, Eden (DHHS)
Subject: Flint Briefing 12Jan16

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 16:29
To: MSP-SEOCGIS; Tchorzynski, James (MSP)
Subject: quantify

If I've forgotten or missed a discussion we've had on this previously, I apologize. FEMA is pushing me to include numbers in the presidential request. If you could put a number, however rough, or could identify multipliers we could apply to... a measure, to determine a rough price to identify Flint's lead pipes...what would be your method or guesstimate?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 16:14
To: Pepper, Joel (MSP)
Subject: FW: Flint water crisis impacts

This might provide some help for numbers

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Deacon, Brad (MDARD)
Sent: Tuesday, January 12, 2016 5:14 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint water crisis impacts

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Dept. of Ed) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). In both cases we can identify higher priorities and have been doing that. All of those received the letter in October with guidance; all of them will receive the revised guidance as soon as it is approved. There are 97 gas stations within the city and we think all of those are within those food license numbers and we are planning additional outreach to them as part of our efforts.

Correct, no animal shelters in the water service area from what we've been told. The primary focus is and should be on homeowners/residences where they also have pets. There are two vet clinics in the City and we were making individualized follow up calls to them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

We don't have anything definitive on next steps for the Flint Farmers' Market. We have provided them assistance in the past few years (trying to get a historical document for what that's been) but we've helped them to expand and grow their facility. We'll be talking with them about potential next steps.

Yes, MDARD has been in close coordination with DEQ, DHHS, and Genesee Co. Health Dept. on the protocol for using water (washing dishes is ok; using it in a pop machine may not be). The guidance put out last fall was jointly issued by all four agencies. We have also worked with them on protocol for us to use when collecting samples – same protocols as other sampling going on.

As for restaurants, it may be all of the things you mentioned. That will be part of our follow up to evaluate compliance.

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 4:04 PM

To: Deacon, Brad (MDARD)
Subject: RE: Flint water crisis impacts

Thanks Brad,

Are there any numbers we could put to number of messages or populations reached by messaging?

I think I saw a number, but can't find it at the moment, there are no animal shelters in the water service area, is that correct? So the impact would be on homes and vet offices. Do we know how many vet offices there are?

Are there any plans or strategies in the works for increasing the number of distribution points for the Farmers' Market?

Does the Department have the number of food related businesses in the City? Is MDARD involved in any way of identifying their protocol for using water? i.e., where do most restaurants get water from for cooking, do they have required filtration systems? Or are they bringing water in?

Thanks very much for all your help.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Deacon, Brad (MDARD)
Sent: Tuesday, January 12, 2016 3:57 PM
To: Weber, Thomas (MSP)
Cc: Holton, Jennifer (MDARD)
Subject: RE: Flint water crisis impacts

Tom – some of these sentences / phrases may help – let me know if you need more.
Part of our coordinated outreach also includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.
Water safety also impacts animals. As a precautionary measure, we have included pets, service animals, and other domestic animals in our messages to families about water. We have also reached out to the veterinary and animal care communities to bring their attention to this issue.
Through Michigan's funds and USDA's Rural Development's programs we have been working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system.

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:01 AM
To: Deacon, Brad (MDARD); Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); Thelen, Richard (DHHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Virginia (DHHS)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: Flint water crisis impacts

Good morning all,

We are preparing the draft of the letter from the governor to the president to request assistance. We are attempting to send this as quickly as humanly possible.

What we need from each agency is a complete but as brief as possible summary of the impacts to the people and economy of Flint resulting from the water crisis, prepared by the best qualified person in your agency.

This would include quantification of past, current, and future or potential future impacts including:

Health
Economic
Insurance (is there any coverage on the part of individuals, or the city or state that might help to cover damages?)
Contributions of voluntary agencies
Environmental; and
Infrastructure

There will be an opportunity to review the entire draft as it is pieced together, to make sure we are including every potential impact that will help to describe the severity of this crisis to the City of Flint and State of Michigan.

If there's any chance of getting summaries by the end of today (let me know what the minimum timeline is that you need), that would be great.

Thanks very much for your assistance,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 15:24
To: Pepper, Joel (MSP)
Subject: FW: Flint water crisis impacts
Attachments: Economic Impact - UM Risk Science Method - Lead.xlsx

Importance: High

Economic impacts

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Lynne Feldpausch (MEDC) [mailto:feldpauschl@michigan.org]
Sent: Tuesday, January 12, 2016 4:43 PM
To: Weber, Thomas (MSP); Deacon, Brad (MDARD); Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); Thelen, Richard (DHHS); Wolfinger, Carol (MSP); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Virginia (DHHS)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: RE: Flint water crisis impacts
Importance: High

Good afternoon.
The Michigan Department of Talent and Economic Development (MTED) is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the City of Flint and/or Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, MTED has assessed potential impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at 4 potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total
- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

This analysis was based on a study by the University of Michigan Risk Science Center and the Michigan Network for Children's Environmental Health. The study, linked below, cited studies that showed the direct correlation in loss of IQ with elevated lead levels. This loss of IQ was directly correlated to loss of lifetime income potential, as well as costs for treatment, costs for special education, and ADHD treatment for cohorts under 5 years old.

The excel chart uses the findings from this study and applies it to Flint's population of 0-5 year olds. We're not sure what number to use in the field labeled "estimated percent of population impacted", but it's saved at 6% of 0-5 year olds impacted. Depending on the lead levels, the lifetime earnings loss ranges from $33 Million to over $89 Million if 6% of 0-5 year olds were impacted. The % of population can be changed for each blood lead level to get the impact.

http://www.riskscience.umich.edu/wp-content/uploads/2013/12/Economic-Impact-of-Lead-in-Michigan-Web.pdf

Again, this analysis is based on the study linked above. If the findings and methodology of the study aren't acceptable, then the attached Excel calculations shouldn't be used. Also, we have not reached out to UM to see if any of their assumptions have changed since this was done in 2014 or if our correlations and methodology are acceptable. With additional time, we would confirm our method with the UM team.

With input from the Department of Treasury, we assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water like restaurants will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses are also having to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems reasonable, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term there would be the cost of a new water system, which would have a significant cost. Direct health related costs would be on top of this estimate.

This is a very rough estimate. With additional time and information/data, we can develop a more thorough estimate.

Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060
feldpauschl@michigan.org
Follow me on Twitter: @LynneFeldpausch

This message contains information which may be confidential and privileged. Unless you are the intended recipient (or authorized to receive this message for the intended recipient), you may not use, copy, disseminate or disclose to anyone the message or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail, and delete the message. Thank you very much.

From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Tuesday, January 12, 2016 11:43 AM
To: Deacon, Brad (MDARD); Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); Thelen, Richard (DHHS); Wolfinger, Carol (MSP); Lynne Feldpausch (MEDC); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Virginia (DHHS)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: RE: Flint water crisis impacts

The Governor/Captain have requested a draft letter by tonight, so, ANYTHING you could do to provide background info/incident summaries by 4pm is vital.

Thanks again for all your assistance,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:01 AM
To: Deacon, Brad (MDARD); Wahl, Kathy (DCH); Lixey Jennifer; Thelen, Richard (DHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC) (feldpauschl@michigan.org); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Ginna (holmesv@michigan.gov)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: Flint water crisis impacts

Good morning all,

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If there's any chance of getting summaries by the end of today (let me know what the minimum timeline is that you need), that would be great.

Thanks very much for your assistance,

Tom Weber, PEM
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 15:17
To: Pepper, Joel (MSP)
Subject: FW: Lead Health Impacts
Attachments: image001.jpg; ATT00001.htm; DHHS Health Impacts Flint Budget Workbook.xlsx; ATT00002.htm

Here were the health impacts from Jennifer/DHHS

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 5:02 PM
To: Weber, Thomas (MSP); Baker, Zachary (MSP)
Cc: Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Scott, Jackie (DHHS); Scott, Linda (DHHS)
Subject: Lead Health Impacts

Tom and Zack,

Please see the information below and attached regarding the request for lead health impacts of the Flint Water emergency.

Please let me know if you have any questions.
Jennifer

Sent from my iPad

Begin forwarded message:

> **From:** "Scott, Jackie (DHHS)" <ScottJ14@michigan.gov>
> **Date:** January 12, 2016 at 4:55:24 PM EST
> **To:** "Wahl, Kathy (DHHS)" <WahlK@michigan.gov>
> **Cc:** "Scott, Linda (DHHS)" <ScottL12@michigan.gov>, "Thelen, Richard (DHHS)" <ThelenR4@michigan.gov>, "Lixey-Terrill, Jennifer (DHHS)" <LixeyTerrillJ@michigan.gov>
> **Subject: Here it is**
>
> Total funding request for the lead health impacts of the Flint Water emergency is **$145,144,349** *(attached spreadsheet)*

The requests include items for consideration such as healthcare, behavioral health, special education, creation of a Flint Children's Health and Development Fund, secondary prevention, and school nursing.

Jacqueline S. Scott, D.V.M., Ph.D.
Director, Bureau of EMS, Trauma and Preparedness
Michigan Department of Health and Human Services
Telephone 517-335-8150
Cell
Fax 517-335-9434

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 14:40
To: Sobocinski, Mike (MSP)
Subject: RE: unemployment

I did, thanks for the followup!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 13, 2016 2:31 PM
To: Weber, Thomas (MSP)
Subject: RE: unemployment

The latest full 1-year-average stats, from the Census Bureau's American Community Survey, are as follows:

United States (population age 16+):	7.2%
State of Michigan:	8.3%
Genesee County:	11.9%
City of Flint:	23.9%

Hope you received by other message about BLS not producing its latest monthly data for a single city of Flint's size... So this source provides all 4 levels of interest, and 2014 is the newest currently available.

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 8:49 AM
To: Sobocinski, Mike (MSP)
Subject: unemployment

Mike, where/what time frame did the unemployment rates come from? I don't think the state unemployment rate is nearly that high. I think given the nebulous time frame of the disaster, but assuming it's late September from when the County Health Department began the emergency, we should use unemployment rates from early September.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 12:57
To: Kirby, Catherine (DIFS)
Subject: RE: Flint water crisis impacts

Thanks again Cathy.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Wednesday, January 13, 2016 12:56 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint water crisis impacts

Tom,
We will proceed with the data call. Our goal is to get something out to the insurers by COB today.
In the meantime, if you need anything else, please let me know.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone 517- 284-8784
Toll Free 1-877-999-6442

DIFS
DEPARTMENT OF
INSURANCE AND
FINANCIAL SERVICES

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From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 12:28 PM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Thanks Cathy, That's very helpful. We're trying to get the number for the presidential request, and we can make a call to the city, though they are usually not very precise, but we can work with that. I think going forward, any assistance we are able to get from FEMA is still going to need those numbers, so if you could go ahead with that, that would be great.

Here are the relevant zips:

48501
48502
48503
48504
48505
48506
48507
48509
48519
48529
48531
48532
48554

Thanks for your help!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Wednesday, January 13, 2016 12:20 PM
To: Weber, Thomas (MSP)
Cc: McPharlin, Pat (DIFS); Miller, Andrea (DIFS); Morante, Teri (DIFS)
Subject: RE: Flint water crisis impacts

Tom,
Though DIFS does not collect policy information from insurers, we do have the ability to request from them the number of Flint homeowners policies they write by conducting a data call. Please provide me with the exact zip codes that you would like included, we will issue the call and gather the information. It is possible we could provide you with an aggregate number early next week.

I have attached a copy of the relevant pages from the City of Flint's 2014 Comprehensive Annual Financial Report (CAFR) that outlines their commercial insurance coverage. This is the last report we have on file. The City does have the 2015 CAFR posted to their website. I did review the report and it appears the coverage is the same.

Please let me know if you have any questions.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone
Toll Free 1-877-999-6442

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From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 11:01 AM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Cathy,

Does the state have a database, or is there an easy way to find out what percent of homeowners have property insurance? And what levels of insurance a city such as Flint has itself?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Tuesday, January 12, 2016 4:22 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint water crisis impacts

Tom,
We can track complaints and/or calls from consumers with questions or issues with claim denials. However, DIFS would not have immediate access to the number of claims filed with health or property insurers relating to elevated blood lead levels.

As of today, we have received no formal complaints or consumer calls relating to elevated blood lead levels. DIFS will continue to track complaint and/or calls and I will let you know if we do.
Cathy

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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 3:55 PM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Does the department have any way of tracking claims or calls that are directly related to elevated blood lead levels? If so, have there been any that have been recorded?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Tuesday, January 12, 2016 3:45 PM
To: Weber, Thomas (MSP); Deacon, Brad (MDARD); Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); Thelen, Richard (DHHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC); Wells, Eden (DHHS); Krisztian, George (DEQ); Holmes, Virginia (DHHS)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: RE: Flint water crisis impacts

Tom,
The Department of Insurance and Financial Services (DIFS) offers the following in response to your request for a *summary of agency information relating to the water crisis in Flint:*

Similar to Medicaid coverage, individuals with private health insurance would have testing and treatment covered as long as a doctor ordered the services. Anyone with questions regarding their health insurance coverage or any health insurance claims that are not approved by their health insurer can contact DIFS toll free at 1-877-999-6442 for assistance.

A homeowner's policy insures property against risks of direct physical loss that are not specifically excluded under the policy. A homeowner's policy excludes "discharge, disbursable, seepage, migration or escape of pollutants" unless it was caused by a covered cause of loss. The situation that occurred in the City of Flint would not be a covered loss.

DIFS stands ready to assist anyone who has questions regarding their health or property insurance.
Let me know if you have any questions.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone 517- 284-8784
Toll Free 1-877-999-6442

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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:43 AM
To: Deacon, Brad (MDARD) <deaconb9@michigan.gov>; Wahl, Kathy (DHHS) <WahlK@michigan.gov>; Lixey-Terrill, Jennifer (DHHS) <LixeyTerrillJ@michigan.gov>; Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Wolfinger, Carol (MSP) <WolfingerC1@michigan.gov>; Feldpausch, Lynne (MEDC) <feldpauschl@michigan.org>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Krisztian, George (DEQ) <krisztiang@michigan.gov>; Kirby, Catherine (DIFS) <kirbyc@michigan.gov>; Holmes, Virginia (DHHS) <HolmesV@michigan.gov>
Cc: Pepper, Joel (MSP) <PepperJ@michigan.gov>; Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
Subject: RE: Flint water crisis impacts

The Governor/Captain have requested a draft letter by tonight, so, ANYTHING you could do to provide background info/incident summaries by 4pm is vital.

Thanks again for all your assistance,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: [redacted]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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Sent: Tuesday, January 12, 2016 11:01 AM
To: Deacon, Brad (MDARD); Wahl, Kathy (DCH); Lixey Jennifer; Thelen, Richard (DHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC) (feldpauschl@michigan.org); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Ginna (holmesv@michigan.gov)
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Thanks very much for your assistance,

Tom Weber, PEM
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4000 Collins Road
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Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 12:38
To: Baker, Zachary (MSP); MSP-seocda1
Subject: FW: January 13th - 3pm Conference Call about Flint
Attachments: 2016 MiVOAD_Flint-Overview Community Volunteer Reception Center_1-13-16-2.pdf

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Mary Lloyd [mailto:msmarylloyd@hotmail.com]
Sent: Wednesday, January 13, 2016 12:29 PM
To: michigan.voad@gmail.com
Subject: January 13th - 3pm Conference Call about Flint

MiVOAD Colleagues:
This email is sent from Ken Sutter and Justin Bays.

Please join us on a **3pm conference call today** for updates on overview on the Flint situation and update on the Community Volunteer Reception Center. Attachment is information for your review before the call.

Conference Call Information:

- 641-715-3274
- Access:

Mary Lloyd
Secretary/Treasurer
313-247-0792

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 12:28
To: Kirby, Catherine (DIFS)
Subject: RE: Flint water crisis impacts

Thanks Cathy, That's very helpful. We're trying to get the number for the presidential request, and we can make a call to the city, though they are usually not very precise, but we can work with that. I think going forward, any assistance we are able to get from FEMA is still going to need those numbers, so if you could go ahead with that, that would be great.

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Thanks for your help!

Tom Weber, PEM
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Emergency Management and Homeland Security Division
Michigan State Police
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Please let me know if you have any questions.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone 517- 284-8784
Toll Free 1-877-999-6442

DIFS
DEPARTMENT OF
INSURANCE AND
FINANCIAL SERVICES

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From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 11:01 AM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Cathy,

Does the state have a database, or is there an easy way to find out what percent of homeowners have property insurance? And what levels of insurance a city such as Flint has itself?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Tuesday, January 12, 2016 4:22 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint water crisis impacts

Tom,

We can track complaints and/or calls from consumers with questions or issues with claim denials. However, DIFS would not have immediate access to the number of claims filed with health or property insurers relating to elevated blood lead levels.

As of today, we have received no formal complaints or consumer calls relating to elevated blood lead levels. DIFS will continue to track complaint and/or calls and I will let you know if we do.
Cathy

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Sent: Tuesday, January 12, 2016 3:55 PM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Does the department have any way of tracking claims or calls that are directly related to elevated blood lead levels? If so, have there been any that have been recorded?

Tom Weber, PEM
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Michigan State Police
4000 Collins Road
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Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kirby, Catherine (DIFS)
Sent: Tuesday, January 12, 2016 3:45 PM
To: Weber, Thomas (MSP); Deacon, Brad (MDARD); Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); Thelen, Richard (DHHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC); Wells, Eden (DHHS); Krisztian, George (DEQ); Holmes, Virginia (DHHS)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: RE: Flint water crisis impacts

Tom,
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Similar to Medicaid coverage, individuals with private health insurance would have testing and treatment covered as long as a doctor ordered the services. Anyone with questions regarding their health insurance coverage or any health insurance claims that are not approved by their health insurer can contact DIFS toll free at 1-877-999-6442 for assistance.

A homeowner's policy insures property against risks of direct physical loss that are not specifically excluded under the policy. A homeowner's policy excludes "discharge, disbursable, seepage, migration or escape of pollutants" unless it was caused by a covered cause of loss. The situation that occurred in the City of Flint would not be a covered loss.

DIFS stands ready to assist anyone who has questions regarding their health or property insurance.
Let me know if you have any questions.
Cathy

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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:43 AM
To: Deacon, Brad (MDARD) <deaconb9@michigan.gov>; Wahl, Kathy (DHHS) <WahlK@michigan.gov>; Lixey-Terrill, Jennifer (DHHS) <LixeyTerrillJ@michigan.gov>; Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Wolfinger, Carol (MSP) <WolfingerC1@michigan.gov>; Feldpausch, Lynne (MEDC) <feldpauschl@michigan.org>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Krisztian, George (DEQ) <krisztiang@michigan.gov>; Kirby, Catherine (DIFS) <kirbyc@michigan.gov>; Holmes, Virginia (DHHS) <HolmesV@michigan.gov>
Cc: Pepper, Joel (MSP) <PepperJ@michigan.gov>; Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
Subject: RE: Flint water crisis impacts

The Governor/Captain have requested a draft letter by tonight, so, ANYTHING you could do to provide background info/incident summaries by 4pm is vital.

Thanks again for all your assistance,

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Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: Flint water crisis impacts

Good morning all,

We are preparing the draft of the letter from the governor to the president to request assistance. We are attempting to send this as quickly as humanly possible.

What we need from each agency is a complete but as brief as possible summary of the impacts to the people and economy of Flint resulting from the water crisis, prepared by the best qualified person in your agency.

This would include quantification of past, current, and future or potential future impacts including:

Health
Economic
Insurance (is there any coverage on the part of individuals, or the city or state that might help to cover damages?)
Contributions of voluntary agencies
Environmental; and
Infrastructure

There will be an opportunity to review the entire draft as it is pieced together, to make sure we are including every potential impact that will help to describe the severity of this crisis to the City of Flint and State of Michigan.

If there's any chance of getting summaries by the end of today (let me know what the minimum timeline is that you need), that would be great.

Thanks very much for your assistance,

Tom Weber, PEM
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Michigan State Police
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 11:20
To: Doll, Jeanette (DTMB)
Subject: RE: unemployment

Awesome, thanks!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Doll, Jeanette (DTMB)
Sent: Wednesday, January 13, 2016 11:19 AM
To: Weber, Thomas (MSP)
Subject: RE: unemployment

Tom -

Bureau of Labor Market Information and Strategic Initiative (313) 456-3108

City of Flint	9%
Genesee County	5%
State non- adjusted rate	4.7%

Jeanette

From: Weber, Thomas (MSP)
Sent: Wednesday, January 13, 2016 9:39 AM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: unemployment

Jeanette,

What office in DTMB tracks unemployment? Could you get me the state, genesee, and flint rates from September?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
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To: Doll, Jeanette (DTMB)
Subject: unemployment

Jeanette,

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 20:29
To: Doll, Jeanette (DTMB)
Subject: RE: response

Thanks Jeanette, we got a reprieve til morning!!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 12, 2016 8:24 PM
To: Weber, Thomas (MSP)
Subject: Re: response

Tom
we were waiting to get numbers back from the crews going out in the fields. Jackie was tracking some of the daily water that was going out and Richard was trying to compile something on the filters since they've been purchasing all of the filters up today.
The red crosses logistics person Lauren is working with the team of us to try and come up with these numbers and we're hoping to have some information tomorrow.
Jeanette Doll
DTMB Office of Infrastructure Protection
(517) 373-2231

On Jan 12, 2016, at 4:31 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> Thanks Jeanette. Do you know how the truckloads translates to gallons? Have there been established any goals for total numbers of filters or daily needs of water? Summary costs for water vs. filters. Vs. cartridges?
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 12, 2016 4:19 PM
To: Weber, Thomas (MSP)
Subject: RE: response

DTMB has been helping to procure water, filters and refill cartridges, drivers and trucks to assist with delivering supplies to PODs and assisting with neighborhood visits. Setup a JIC at the Flint State Office Building and provided additional security at the building. Have setup a lease agreement for 100,000 of warehouse space in the city to use for water, filters and supplies. Provided guidance and assistance with agencies in their contracts along with IT needs.

We have purchased 32 truckloads of water and today procured:
Brita faucet filters – 27,000
Brita Replacement filters – 1,600

PUR faucet filters – 12,500
PUR 3-pack replacement filters – 40,000

How's this?

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:26 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: response

I'm working on the presidential. Could you provide me with a paragraph or two of DTMB's response so far and a summary of cost totals so far (a daily cost of the resources we think are GOING to be needed daily would be great). The governor wants this tonight, so 4pm would be great (or sooner of course).

Thanks Jeanette!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 19:27
To: Wolf, Jennifer (DNR); Brown, Melanie (DEQ); Krisztian, George (DEQ)
Cc: Creagh, Keith (DEQ); Thelen, Mary Beth (DEQ); Epkey, Amy (DEQ)
Subject: RE: PER REQUEST: Timeline, Costs and Public Notice

Hi Melanie, Jennifer is hoping you can help me out. I really need the agency summaries in a cut and paste format since I'm working to incorporate all state agencies reports and the general information in the letter as well. Is there any way you could take the information transmitted and summarize it in one or two paragraphs and maybe one summarized table?

It would really help our effort to get a draft of the overall letter to the governor tonight.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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From: Wolf, Jennifer (DNR)
Sent: Tuesday, January 12, 2016 7:24 PM
To: Brown, Melanie (DEQ); Krisztian, George (DEQ); Weber, Thomas (MSP)
Cc: Creagh, Keith (DEQ); Thelen, Mary Beth (DEQ); Epkey, Amy (DEQ)
Subject: RE: PER REQUEST: Timeline, Costs and Public Notice

Tom,

Per your request

From: Brown, Melanie (DEQ)
Sent: Tuesday, January 12, 2016 7:15 PM
To: Wolf, Jennifer (DNR); Krisztian, George (DEQ)
Cc: Creagh, Keith (DEQ); Thelen, Mary Beth (DEQ)
Subject: PER REQUEST: Timeline, Costs and Public Notice

PLEASE NOTE: Please be advised that there is a meeting with department directors on Thursday and these numbers may be adjusted as an outcome of the meeting.

1. Timeline Attached

2. Costs:

15,000-34,000 Lead Service Line Replacement $60m – $136m

Supplemental #1 $9.5m
- Pay for 50% of the water back to DWSD
- Lead testing
- 2 FTEs

Supplemental #2 $6.9m
- Water from July 1, 2016 thru Dec 31, 2016
- 10 FTEs (half year)

Additional testing / Sampling $1.3m
- Lead / Copper
- 30,000 residences
- 35,000 – 50,000 schools

3. Regarding Public Notices:
The County is responsible for issuing these. On October 1, 2015 the county issued an Emergency Advisory recommending that people not drink the water coming from the city using Flint water as a source unless it has been tested to assure it does not contain lead and unless it is being filtered.

Weber, Thomas (MSP)

From:	Weber, Thomas (MSP)
Sent:	Tuesday, January 12, 2016 19:18
To:	Pepper, Joel (MSP)
Subject:	drafts
Attachments:	Flint Request draft MAS 2016 2.0.doc; Declaration Request Cover Letter Template-1 Flint Water 2016.docx

Here's the draft Ive been working on and Mike's draft. I just got some stuff from MDHHS that I dumped in, but in giving it a very brief glance, I'm not sure it's useable...or could be made useable?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 19:11
To: Thelen, Richard (DHHS)
Subject: RE: Information from MDHHS for presidential request

Thanks Richard

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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From: Thelen, Richard (DHHS)
Sent: Tuesday, January 12, 2016 6:52 PM
To: Weber, Thomas (MSP)
Subject: FW: Information from MDHHS for presidential request

More info to your follow up question.

From: Thompson, Sheryl D. (DHHS)
Sent: Tuesday, January 12, 2016 6:39 PM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Mose, Sandi Kay (DHHS) <MoseS@michigan.gov>; Sweeney, Dawn (DHHS) <SweeneyD1@michigan.gov>
Cc: Beurer, Terrence (DHHS) <BeurerT@michigan.gov>
Subject: RE: Information from MDHHS for presidential request

Healthy foods. MSU-E has been giving out recipes but residents must be able to purchase it. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden but necessity.

In some homes the plumbing is so poor and as a result the faucet filter may not fit. The cost of paying for city water that the residents can't use it astronomical. As a scenario, residents have to make a choice buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for family of 2 is $98 per month. For family of 4 with leaks etc. you are looking at about $150 or more per month.

Additional ongoing testing will be required for those with the blood levels- treatment long-term, tutoring, behavior specialists, mental health services are all long-term effects.

I can go on and on.

From: Thelen, Richard (DHHS)
Sent: Tuesday, January 12, 2016 6:27 PM
To: Mose, Sandi Kay (DHHS) <MoseS@michigan.gov>; Thompson, Sheryl D. (DHHS) <ThompsonS2@michigan.gov>; Sweeney, Dawn (DHHS) <SweeneyD1@michigan.gov>
Cc: Beurer, Terrence (DHHS) <BeurerT@michigan.gov>
Subject: FW: Information from MDHHS for presidential request

Do any of you have any comments on Tom's question?

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 6:11 PM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov>
Cc: Lixey-Terrill, Jennifer (DHHS) <LixeyTerrillJ@michigan.gov>; Beurer, Terrence (DHHS) <BeurerT@michigan.gov>; checcdeptcoor <checcdeptcoor@michigan.gov>
Subject: RE: Information from MDHHS for presidential request

This is good baseline information, thanks. Are there any gaps or unmet needs we can identify based on the needs generated by bulk water distribution or elevated lead levels?

Tom Weber, PEM
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Emergency Management and Homeland Security Division
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From: Thelen, Richard (DHHS)
Sent: Tuesday, January 12, 2016 4:11 PM
To: Weber, Thomas (MSP)
Cc: Lixey-Terrill, Jennifer (DHHS); Beurer, Terrence (DHHS); checcdeptcoor
Subject: Information from MDHHS for presidential request
Importance: High

Information from MDHHS for presidential request Hope this helps.

From: Sweeney, Dawn (DHHS)
Sent: Tuesday, January 12, 2016 4:07 PM
To: Thompson, Sheryl D. (DHHS) <ThompsonS2@michigan.gov>; Thelen, Richard (DHHS) <ThelenR4@michigan.gov>
Subject: RE: Flint info
Importance: High

Attached is the Flint data I was able to gather. Please let me know what additional information you may need and if I can be of any additional assistance.
Dawn

Dawn M. Sweeney, MSW
Food Assistance Program State Administrative Manager
Field Operations Administration
Michigan Department of Health and Human Services
235 S. Grand Avenue
Suite 1402
Lansing, MI 48933
(P)517-243-5560
(F)517-335-7771
Email: sweeneyd1@michigan.gov

From: Thompson, Sheryl D. (DHHS)
Sent: Tuesday, January 12, 2016 3:41 PM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Sweeney, Dawn (DHHS) <SweeneyD1@michigan.gov>
Subject: Flint info

I'm still at the airport my staff is working on gathering the data and will send it to both of us shortly. Look for email from Dawn Sweeney

Sheryl Thompson
Deputy Director of Field Operarions
Dept of Health & Human Services
235 S. Grand Ave, Ste 1413
Lansing, MI 48909
517-241-5954

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 18:13
To: Lixey-Terrill, Jennifer (DHHS)
Subject: RE: Lead Health Impacts

I'm not sure if I am adding the numbers up wrong, but could you put together a one paragraph summary of those costs that I can place in the letter. I'll reference the table by attachment.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
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From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 5:02 PM
To: Weber, Thomas (MSP); Baker, Zachary (MSP)
Cc: Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Scott, Jackie (DHHS); Scott, Linda (DHHS)
Subject: Lead Health Impacts

Tom and Zack,

Please see the information below and attached regarding the request for lead health impacts of the Flint Water emergency.

Please let me know if you have any questions.
Jennifer

Sent from my iPad

Begin forwarded message:

> **From:** "Scott, Jackie (DHHS)" <ScottJ14@michigan.gov>
> **Date:** January 12, 2016 at 4:55:24 PM EST
> **To:** "Wahl, Kathy (DHHS)" <WahlK@michigan.gov>
> **Cc:** "Scott, Linda (DHHS)" <ScottL12@michigan.gov>, "Thelen, Richard (DHHS)" <ThelenR4@michigan.gov>, "Lixey-Terrill, Jennifer (DHHS)" <LixeyTerrillJ@michigan.gov>
> **Subject: Here it is**
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The requests include items for consideration such as healthcare, behavioral health, special education, creation of a Flint Children's Health and Development Fund, secondary prevention, and school nursing.

Jacqueline S. Scott, D.V.M., Ph.D.
Director, Bureau of EMS, Trauma and Preparedness
Michigan Department of Health and Human Services
Telephone 517-335-8150
Cell
Fax 517-335-9434

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 18:11
To: Thelen, Richard (DHHS)
Cc: Lixey-Terrill, Jennifer (DHHS); Beurer, Terrence (DHHS); checcdeptcoor
Subject: RE: Information from MDHHS for presidential request

This is good baseline information, thanks. Are there any gaps or unmet needs we can identify based on the needs generated by bulk water distribution or elevated lead levels?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Thelen, Richard (DHHS)
Sent: Tuesday, January 12, 2016 4:11 PM
To: Weber, Thomas (MSP)
Cc: Lixey-Terrill, Jennifer (DHHS); Beurer, Terrence (DHHS); checcdeptcoor
Subject: Information from MDHHS for presidential request
Importance: High

Information from MDHHS for presidential request Hope this helps.

From: Sweeney, Dawn (DHHS)
Sent: Tuesday, January 12, 2016 4:07 PM
To: Thompson, Sheryl D. (DHHS) <ThompsonS2@michigan.gov>; Thelen, Richard (DHHS) <ThelenR4@michigan.gov>
Subject: RE: Flint info
Importance: High

Attached is the Flint data I was able to gather. Please let me know what additional information you may need and if I can be of any additional assistance.
Dawn

Dawn M. Sweeney, MSW
Food Assistance Program State Administrative Manager
Field Operations Administration
Michigan Department of Health and Human Services
235 S. Grand Avenue
Suite 1402
Lansing, MI 48933
(P)517-243-5560
(F)517-335-7771
Email: sweeneyd1@michigan.gov

From: Thompson, Sheryl D. (DHHS)
Sent: Tuesday, January 12, 2016 3:41 PM
To: Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Sweeney, Dawn (DHHS) <SweeneyD1@michigan.gov>
Subject: Flint info

I'm still at the airport my staff is working on gathering the data and will send it to both of us shortly. Look for email from Dawn Sweeney

Sheryl Thompson
Deputy Director of Field Operarions
Dept of Health & Human Services
235 S. Grand Ave, Ste 1413
Lansing, MI 48909
517-241-5954

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 17:48
To: Scott, Jackie (DHHS)
Subject: RE: Lead Health Impacts

I understand, thanks very much!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Scott, Jackie (DHHS)
Sent: Tuesday, January 12, 2016 5:48 PM
To: Weber, Thomas (MSP); Lixey-Terrill, Jennifer (DHHS); Baker, Zachary (MSP)
Cc: Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Scott, Linda (DHHS)
Subject: RE: Lead Health Impacts

I'll try, I'm waiting for my boss's input sooooo....

Jacqueline S. Scott, D.V.M., Ph.D.
Director, Bureau of EMS, Trauma and Preparedness
Michigan Department of Health and Human Services
Telephone 517-335-8150
Cell
Fax 517-335-9434

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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 5:39 PM
To: Scott, Jackie (DHHS) <ScottJ14@michigan.gov>; Lixey-Terrill, Jennifer (DHHS) <LixeyTerrillJ@michigan.gov>; Baker, Zachary (MSP) <BakerZ@michigan.gov>
Cc: Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Wahl, Kathy (DHHS) <WahlK@michigan.gov>; Scott, Linda (DHHS) <ScottL12@michigan.gov>
Subject: RE: Lead Health Impacts

My deadline is "tonight." Though I'd rather that be 8 or 9 vs. 11 or 12. Would 6:30 be possible?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Scott, Jackie (DHHS)
Sent: Tuesday, January 12, 2016 5:38 PM
To: Weber, Thomas (MSP); Lixey-Terrill, Jennifer (DHHS); Baker, Zachary (MSP)
Cc: Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Scott, Linda (DHHS)
Subject: RE: Lead Health Impacts

We'll get something to you soon, do you have a deadline?

Jacqueline S. Scott, D.V.M., Ph.D.
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Subject: RE: Lead Health Impacts

Would it be possible to get also the summary (narrative) of the health department response to the crisis (one or two paragraphs) today to accompany these numbers (which are extremely helpful, thank you!)?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 5:02 PM
To: Weber, Thomas (MSP); Baker, Zachary (MSP)
Cc: Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Scott, Jackie (DHHS); Scott, Linda (DHHS)
Subject: Lead Health Impacts

Tom and Zack,

Please see the information below and attached regarding the request for lead health impacts of the Flint Water emergency.

Please let me know if you have any questions.
Jennifer

Sent from my iPad

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 17:21
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

Thanks

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 5:20 PM
To: Weber, Thomas (MSP); plangc
Subject: RE: Flint

My draft had made use of data from Wikipedia. I finally got to double-check it with all but the 1990 census (which wouldn't load online), and had to correct two errors. If you're using this table, please replace the earlier draft with this new data:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,143	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	444,341	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.2%	52.6%	43.5%	35.4%	32.7%	28.6%	24.1%

Thanks,
Mike

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 17:11
To: Pepper, Joel (MSP)
Subject: FW: Lead Health Impacts
Attachments: ATT00001.htm; DHHS Health Impacts Flint Budget Workbook.xlsx; ATT00002.htm; Flint Request draft MAS 2016.doc

Here are some actual numbers from DCH. And Mike's starter letter with its table is attached too

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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Sent: Tuesday, January 12, 2016 5:02 PM
To: Weber, Thomas (MSP); Baker, Zachary (MSP)
Cc: Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Scott, Jackie (DHHS); Scott, Linda (DHHS)
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 17:10
To: Lixey-Terrill, Jennifer (DHHS); Baker, Zachary (MSP)
Cc: Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Scott, Jackie (DHHS); Scott, Linda (DHHS)
Subject: RE: Lead Health Impacts

Thanks Jennifer, I'll begin working through this.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 5:02 PM
To: Weber, Thomas (MSP); Baker, Zachary (MSP)
Cc: Thelen, Richard (DHHS); Wahl, Kathy (DHHS); Scott, Jackie (DHHS); Scott, Linda (DHHS)
Subject: Lead Health Impacts

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 17:00
To: Baker, Zachary (MSP); plangc; MSP-seocda1
Subject: FW: Flint Briefing 11Jan16
Attachments: 2016-01-11 - Flint Lead MDHHS Sitrep.pdf

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Bouters, Janese (DHHS)
Sent: Tuesday, January 12, 2016 4:46 PM
To: Anderson, Paula (DHHS); Barr, Jacqui (DHHS); Becker, Timothy (DHHS); Beggs, Jennifer (DHHS); Bruneau, Michelle (DHHS); CDevriendt@co.genesee.mi.us; Cole, Stefanie (DHHS); Colston, Leslie (DHHS); DeMyers, Deborah (DHHS); Dykema, Linda D. (DHHS); Edwards, Cynthia (DHHS); Eggleston, Debbie (DHHS); Eisner, Jennifer (DHHS); Fink, Brenda (DHHS); Foster, Erik (DHHS); Granger, Patricia (DHHS); Grijalva, Nancy (DHHS); Groetsch, Kory J. (DHHS); Harvey, Janice (DHHS); Hertel, Elizabeth (DHHS); Kaiser Van Dam, Paula (DHHS); Lasher, Geralyn (DHHS); Lyon, Nick (DHHS); McKane, Patricia (DHHS); Miller, Corinne (DHHS); Miller, Mark (DHHS); Minicuci, Angela (DHHS); Moran, Susan (DHHS); MVALACAK@gchd.us; Peeler, Nancy (DHHS); Priem, Wesley F. (DHHS); Priest, Chris (DHHS); Ridley, Nancy (DHHS); Robinson, Mikelle (DHHS); Rockefeller, Cheryl (DHHS); Scott, Jackie (DHHS); Shah, Sandip (DHHS); Sims, Teri (DHHS); Stanbury, Martha (DHHS); Stiffler, Kathleen A. (DHHS); Taylor, Kerri (DHHS); Thompson, Sheryl D. (DHHS); Titus, Laura (DHHS); tlarocco@gchd.us; Travis, Rashmi (DHHS); Turner, Jane (DHHS); Weber, Thomas (MSP); Wells, Eden (DHHS)
Subject: Flint Briefing 11Jan16

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 17:00
To: Lixey-Terrill, Jennifer (DHHS)
Subject: RE: Flint water crisis impacts

Thanks for the heads up

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 4:46 PM
To: Weber, Thomas (MSP)
Subject: Re: Flint water crisis impacts

Sorry for the delay Tom. The CHECC is double-checking a couple numbers. Will be on its way over very soon!

Sent from my iPad

On Jan 12, 2016, at 3:50 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> Perfect, thanks Jennifer. Its slightly challenging to know who to ask when the line between functions can get a bit fuzzy! Thanks again.
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> ---
>
> **From:** Lixey-Terrill, Jennifer (DHHS)
> **Sent:** Tuesday, January 12, 2016 3:49 PM
> **To:** Weber, Thomas (MSP)
> **Subject:** Re: Flint water crisis impacts
>
> Thank you for this information. I believe what the CHECC is preparing will meet this request. However, the long term nutrition component falls under MDARD and MDE more so than health. We are

supporting them with information regarding nutrition, but the costs/impacts may be better reported from those agencies.

Jennifer

Sent from my iPad

On Jan 12, 2016, at 3:29 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> A summary of costs. I think most of what MDHHS is doing would fall under the category of emergency protective measures, but if we could get summary totals of broad categories and then estimates of what we think it's going to take to get us through the emergency.
>
> Specific health components would include response to lead (testing and treatment of known cases), estimates of long term health care or case work, and long term nutrition.
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 3:16 PM
To: Weber, Thomas (MSP)
Subject: Re: Flint water crisis impacts

Hi Tom,

Can you please provide additional instructions as to the specifics you are looking for? Are you looking for a detailed description of each cost associated with the estimate? Are there specific health components that you want to ensure are included?

We just want to make sure that we provide you with the information you need.

Thank you,
Jen

Sent from my iPad

On Jan 12, 2016, at 11:43 AM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> The Governor/Captain have requested a draft letter by tonight, so, ANYTHING you could do to provide background info/incident summaries by 4pm is vital.
>
> Thanks again for all your assistance,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:01 AM
To: Deacon, Brad (MDARD); Wahl, Kathy (DCH); Lixey Jennifer; Thelen, Richard (DHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC) (feldpauschl@michigan.org); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Ginna (holmesv@michigan.gov)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: Flint water crisis impacts

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 16:31
To: Doll, Jeanette (DTMB)
Subject: RE: response

Thanks Jeanette. Do you know how the truckloads translates to gallons? Have there been established any goals for total numbers of filters or daily needs of water? Summary costs for water vs. filters. Vs. cartridges?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
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4000 Collins Road
Lansing, MI 48910
Mobile:

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From: Doll, Jeanette (DTMB)
Sent: Tuesday, January 12, 2016 4:19 PM
To: Weber, Thomas (MSP)
Subject: RE: response

DTMB has been helping to procure water, filters and refill cartridges, drivers and trucks to assist with delivering supplies to PODs and assisting with neighborhood visits. Setup a JIC at the Flint State Office Building and provided additional security at the building. Have setup a lease agreement for 100,000 of warehouse space in the city to use for water, filters and supplies. Provided guidance and assistance with agencies in their contracts along with IT needs.

We have purchased 32 truckloads of water and today procured:
Brita faucet filters – 27,000
Brita Replacement filters – 1,600

PUR faucet filters – 12,500
PUR 3-pack replacement filters – 40,000

How's this?

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:26 PM
To: Doll, Jeanette (DTMB) <dollj@michigan.gov>
Subject: response

I'm working on the presidential. Could you provide me with a paragraph or two of DTMB's response so far and a summary of cost totals so far (a daily cost of the resources we think are GOING to be needed daily would be great). The governor wants this tonight, so 4pm would be great (or sooner of course).

Thanks Jeanette!

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 16:24
To: Kirby, Catherine (DIFS)
Subject: RE: Flint water crisis impacts

Perfect, thanks Cathy!

Tom Weber, PEM
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From: Kirby, Catherine (DIFS)
Sent: Tuesday, January 12, 2016 4:22 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint water crisis impacts

Tom,
We can track complaints and/or calls from consumers with questions or issues with claim denials. However, DIFS would not have immediate access to the number of claims filed with health or property insurers relating to elevated blood lead levels.

As of today, we have received no formal complaints or consumer calls relating to elevated blood lead levels. DIFS will continue to track complaint and/or calls and I will let you know if we do.
Cathy

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From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 3:55 PM
To: Kirby, Catherine (DIFS) <kirbyc@michigan.gov>
Subject: RE: Flint water crisis impacts

Does the department have any way of tracking claims or calls that are directly related to elevated blood lead levels? If so, have there been any that have been recorded?

Tom Weber, PEM
State Planning Unit Manager
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From: Kirby, Catherine (DIFS)
Sent: Tuesday, January 12, 2016 3:45 PM
To: Weber, Thomas (MSP); Deacon, Brad (MDARD); Wahl, Kathy (DHHS); Lixey-Terrill, Jennifer (DHHS); Thelen, Richard (DHHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC); Wells, Eden (DHHS); Krisztian, George (DEQ); Holmes, Virginia (DHHS)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: RE: Flint water crisis impacts

Tom,
The Department of Insurance and Financial Services (DIFS) offers the following in response to your request for a summary of agency information relating to the water crisis in Flint:

Similar to Medicaid coverage, individuals with private health insurance would have testing and treatment covered as long as a doctor ordered the services. Anyone with questions regarding their health insurance coverage or any health insurance claims that are not approved by their health insurer can contact DIFS toll free at 1-877-999-6442 for assistance.

A homeowner's policy insures property against risks of direct physical loss that are not specifically excluded under the policy. A homeowner's policy excludes "discharge, disbursable, seepage, migration or escape of pollutants" unless it was caused by a covered cause of loss. The situation that occurred in the City of Flint would not be a covered loss.

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Let me know if you have any questions.
Cathy

Catherine J. Kirby
Director, Office of Consumer Services
Department of Insurance and Financial Services
Telephone 517- 284-8784
Toll Free 1-877-999-6442

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(MSP) <WolfingerC1@michigan.gov>; Feldpausch, Lynne (MEDC) <feldpauschl@michigan.org>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Krisztian, George (DEQ) <krisztiang@michigan.gov>; Kirby, Catherine (DIFS) <kirbyc@michigan.gov>; Holmes, Virginia (DHHS) <HolmesV@michigan.gov>
Cc: Pepper, Joel (MSP) <PepperJ@michigan.gov>; Lisabeth, Nicole (MSP) <LisabethN@michigan.gov>
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 16:04
To: Deacon, Brad (MDARD)
Subject: RE: Flint water crisis impacts

Thanks Brad,

Are there any numbers we could put to number of messages or populations reached by messaging?

I think I saw a number, but can't find it at the moment, there are no animal shelters in the water service area, is that correct? So the impact would be on homes and vet offices. Do we know how many vet offices there are?

Are there any plans or strategies in the works for increasing the number of distribution points for the Farmers' Market?

Does the Department have the number of food related businesses in the City? Is MDARD involved in any way of identifying their protocol for using water? i.e., where do most restaurants get water from for cooking, do they have required filtration systems? Or are they bringing water in?

Thanks very much for all your help.

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From: Deacon, Brad (MDARD)
Sent: Tuesday, January 12, 2016 3:57 PM
To: Weber, Thomas (MSP)
Cc: Holton, Jennifer (MDARD)
Subject: RE: Flint water crisis impacts

Tom – some of these sentences / phrases may help – let me know if you need more.
Part of our coordinated outreach also includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.
Water safety also impacts animals. As a precautionary measure, we have included pets, service animals, and other domestic animals in our messages to families about water. We have also reached out to the veterinary and animal care communities to bring their attention to this issue.
Through Michigan's funds and USDA's Rural Development's programs we have been working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system.

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 15:51
To: Kirby, Catherine (DIFS)
Subject: RE: Flint water crisis impacts

Thanks very much Cathy!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 15:50
To: Lixey-Terrill, Jennifer (DHHS)
Subject: RE: Flint water crisis impacts

Perfect, thanks Jennifer. Its slightly challenging to know who to ask when the line between functions can get a bit fuzzy! Thanks again.

Tom Weber, PEM
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From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 3:49 PM
To: Weber, Thomas (MSP)
Subject: Re: Flint water crisis impacts

Thank you for this information. I believe what the CHECC is preparing will meet this request. However, the long term nutrition component falls under MDARD and MDE more so than health. We are supporting them with information regarding nutrition, but the costs/impacts may be better reported from those agencies.

Jennifer

Sent from my iPad

On Jan 12, 2016, at 3:29 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> A summary of costs. I think most of what MDHHS is doing would fall under the category of emergency protective measures, but if we could get summary totals of broad categories and then estimates of what we think it's going to take to get us through the emergency.
>
> Specific health components would include response to lead (testing and treatment of known cases), estimates of long term health care or case work, and long term nutrition.
>
> -- Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:

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From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 3:16 PM
To: Weber, Thomas (MSP)
Subject: Re: Flint water crisis impacts

Hi Tom,

Can you please provide additional instructions as to the specifics you are looking for? Are you looking for a detailed description of each cost associated with the estimate? Are there specific health components that you want to ensure are included?

We just want to make sure that we provide you with the information you need.

Thank you,
Jen

Sent from my iPad

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> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

> **From:** Weber, Thomas (MSP)
> **Sent:** Tuesday, January 12, 2016 11:01 AM
> **To:** Deacon, Brad (MDARD); Wahl, Kathy (DCH); Lixey Jennifer; Thelen, Richard (DHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC) (feldpauschl@michigan.org); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Ginna (holmesv@michigan.gov)
> **Cc:** Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
> **Subject:** Flint water crisis impacts
>
> Good morning all,
>
> We are preparing the draft of the letter from the governor to the president to request assistance. We are attempting to send this as quickly as humanly possible.

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Economic
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There will be an opportunity to review the entire draft as it is pieced together, to make sure we are including every potential impact that will help to describe the severity of this crisis to the City of Flint and State of Michigan.

If there's any chance of getting summaries by the end of today (let me know what the minimum timeline is that you need), that would be great.

Thanks very much for your assistance,

Tom Weber, PEM
State Planning Unit Manager
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Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 15:33
To: 'Fr. Steve Mattson'
Subject: RE: updated QE proposal

Thanks, yes I hope you get better soon. Things are crazy here. I'm writing the letter for the governor to the president. I think I was able to get the Flint schools in touch with Red Cross about some volunteer activities.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
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4000 Collins Road
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From: Fr. Steve Mattson [mailto:smattson@resurrectionlansing.org]
Sent: Tuesday, January 12, 2016 3:30 PM
To: Weber, Thomas (MSP)
Subject: Re: updated QE proposal

Thanks. I'll forward the comments from Ann Dilcher to the entire master planning committee after I get that from you.

Thanks,

fsm

p.s. We'll touch base when things get a bit easier for you

Rev. Steven M. Mattson, Pastor
Church of the Resurrection Parish Office
1601 E. Grand River Ave.
Lansing, MI 48906

Church Address
1505 E. Michigan Ave.
Lansing, MI 48912

(work) 517.482.4749
www.resurrectionlansing.org
Appointments: calendly.com/smattson/30min

On Jan 12, 2016, at 3:29 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

I can get to it when I get home tonight. Kinga also said she will be sending a copy of option 3 with a communion rail and will have them add it to the other two.

Tom Weber, PEM
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From: Fr. Steve Mattson [mailto:smattson@resurrectionlansing.org]
Sent: Tuesday, January 12, 2016 3:26 PM
To: Tom Weber
Cc: Weber, Thomas (MSP)
Subject: Re: updated QE proposal

Tom,

Do you have an electronic version of the revised Quinn-Evans proposal? (The Apples to Apples one.)

Thanks,

fsm

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> On Dec 17, 2015, at 5:07 PM, Thomas Weber <tweber@resurrectionlansing.org> wrote:
>
> Here is their updated proposal with some additional examples attached (Bernadette is printing a few in color for the meeting). $74,200 is the bottom line, which includes expanded engineering models similar to what ATI proposed.
>
> Additional services are listed separately which are optional (additional renderings, lighting design for church, a laser scan which would provide the most accurate dimensional measurements, environmental assessment), these are listed on the 6th page. And plus reimbursable incidentals.

Mr. Tom Weber, OP, Business Manager
Church of the Resurrection
1601 East Grand River Avenue
Lansing, MI 48906

<Master Plan Proposal Quinn Evans 2015-12.pdf>

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 15:28
To: Lixey-Terrill, Jennifer (DHHS)
Subject: RE: Flint water crisis impacts

A summary of costs. I think most of what MDHHS is doing would fall under the category of emergency protective measures, but if we could get summary totals of broad categories and then estimates of what we think it's going to take to get us through the emergency.

Specific health components would include response to lead (testing and treatment of known cases), estimates of long term health care or case work, and long term nutrition.

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From: Lixey-Terrill, Jennifer (DHHS)
Sent: Tuesday, January 12, 2016 3:16 PM
To: Weber, Thomas (MSP)
Subject: Re: Flint water crisis impacts

Hi Tom,

Can you please provide additional instructions as to the specifics you are looking for? Are you looking for a detailed description of each cost associated with the estimate? Are there specific health components that you want to ensure are included?

We just want to make sure that we provide you with the information you need.

Thank you,
Jen

Sent from my iPad

On Jan 12, 2016, at 11:43 AM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> The Governor/Captain have requested a draft letter by tonight, so, ANYTHING you could do to provide background info/incident summaries by 4pm is vital.
>
> Thanks again for all your assistance,
>
> Tom Weber, PEM

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 14:32
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

I understand all you're thinking, but yes, the time constraint prohibits most additional work. The time frame was given to me a few minutes before I sent that email.

Tom Weber, PEM
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From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:30 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

The general direction I had started with my draft text was to historically frame this situation as the result of various trends that affected large central cities during the past 60-100 years, with the choking of central city resources eventually causing mismatches that would eventually have to be addressed. Thus, unlike so many previous administrations, Michigan recently actually undertook some significant actions to directly address some of these issues of budget, debt, bankruptcy, school district losses, etc. in historic cities like Detroit, Flint, Saginaw, etc. where huge population losses occurred primarily within the central city, while overall urban area growth continued and resulted in resource splits. Some reference might ultimately be made to equity planning ideas (e.g. Krumholz and later persons), such as regional revenue sharing or "suburban" support for central city infrastructure like we'd seen resulting from the 2014 Detroit flooding. I have a cool new book about "legacy cities" of the type I've just described, and the book probably has lots of action ideas to be found once I get the time to peruse it. Some of these ideas were already presented in the MHMP, such as on pages 524-526 and 531-532. I know these offhand since I'd written them myself. (Some other stuff may also be in there that Doran had initially written.) Also of note might be stuff like p 456-457 – esp public confidence in government and esp potential mismatch between scientific understanding and public perception.

This 4pm deadline seems very sudden to me. When were we given that deadline?

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 1:17 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

Yes, that's the one

Tom Weber, PEM

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From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:16 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

By "letter" do you mean the request for federal declaration letter?
I have a few more things that I meant to add to the draft text that I had put together last week...

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 13:28
To: Feldpausch, Lynne (MEDC)
Subject: RE: Flint water crisis impacts

Thanks very much Lynne, we'll include anything you can provide!

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From: Lynne Feldpausch (MEDC) [mailto:feldpauschl@michigan.org]
Sent: Tuesday, January 12, 2016 1:18 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint water crisis impacts

Tom,
We are working on something. Without a full economic impact study (which will take time) it may be less than ideal, but we will attempt to make some assumptions and representative projections.

Lynne

Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060
feldpauschl@michigan.org
Follow me on Twitter: @LynneFeldpausch

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 13:16
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Subject: RE: Flint

Ok, thanks Mike

Tom Weber, PEM
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From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 1:15 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

No, this is more long-term stuff. I'll work to fill the Genesee County data needs right now. But will start thinking about uses for more variables, and at multiple levels.
I would soon like to take the scheduled A/L break (after 2pm) for my MSU class which is scheduled for 3 hours, but will return afterward, including availability for early evening duty. (It's the first week of the semester, so the class might even get out early, in which case I'll be back here early.)

Thanks,
Mike

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 1:08 PM
To: Sobocinski, Mike (MSP)
Cc: plangc; MSP-SEOCGIS
Subject: RE: Flint

Those would all be great IF we can get them by 4 and in a format that's easy to translate into the letter.

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From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 12:49 PM
To: Weber, Thomas (MSP)
Cc: plangc; MSP-SEOCGIS
Subject: RE: Flint

Ok. Additional census variables include other relevant things such as housing units with plumbing, (foreign) language spoken at home, foreign-born population, perhaps even linguistically isolated households. Such things do vary a bit over time but are often available – of course they are summary level, but allow focus toward specific neighborhoods, and could help guide the language translation patterns in the area (if they haven't already done so), availability of an automobile to each household, poverty status, employment status, ethnic minority status, disability status and general type (i.e. mobility limitation, self-care limitation), etc.

There is probably also a formula (e.g. a certain number or proportion of housing units built before a certain time, within central city utility areas) that could be applied more widespread to other Michigan cities in general.

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:43 PM
To: Sobocinski, Mike (MSP)
Cc: plangc; MSP-SEOCGIS
Subject: RE: Flint

Mike, that could be useful. If GIS isn't too backed up, that sounds fine to me. But given that the Governor wants this tonight, and the number of customers outside the city proper is fairly small, I'd say let's do it if it's easy, but if it's going to be a challenge to get it by the end of the day or complicate GIS's work today, we can live with just city and county numbers.

I'll let you two have a meeting of the minds and advise!

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Subject: RE: Flint

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Rather than individual retrieve each tidbit of info (Genesee county right now, perhaps later followed by Flint Twp, Mundy Twp, etc.), the use of GIS could allow a quick summary or analysis of this info (and more) at any scale – region, county, city, census tract, perhaps even block group and block (down to the scale where confidentiality is no longer guaranteed and data thus becomes unavailable).

Would it be worth my going to our GIS about getting these variables on more local scales? The only catch is that some might need to come from census 2010 rather than ACS 2014, but perhaps not – I wouldn't know until I check. I'm pretty sure they already have ready access to all official 2010 census variables.

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Genesee County						
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 5

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:33
To: Sobocinski, Mike (MSP)
Subject: RE: Flint

Gracias!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 12:33 PM
To: Weber, Thomas (MSP)
Subject: RE: Flint

Ok. I should have this info, plus the morning briefing notes, done and sent out by 2pm.

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:17 PM
To: Sobocinski, Mike (MSP)
Subject: Flint

Mike,

I need to get a draft letter to Cap by the end of the day. I need the Genesee demographic numbers in this table as soon as you can provide them, thanks much!

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:43
To: Deacon, Brad (MDARD); Wahl, Kathy (DCH); Lixey Jennifer; Thelen, Richard (DHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC) (feldpauschl@michigan.org); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Ginna (holmesv@michigan.gov)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: RE: Flint water crisis impacts

The Governor/Captain have requested a draft letter by tonight, so, ANYTHING you could do to provide background info/incident summaries by 4pm is vital.

Thanks again for all your assistance,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:01 AM
To: Deacon, Brad (MDARD); Wahl, Kathy (DCH); Lixey Jennifer; Thelen, Richard (DHS); Wolfinger, Carol (MSP); Feldpausch, Lynne (MEDC) (feldpauschl@michigan.org); Wells, Eden (DHHS); Krisztian, George (DEQ); Kirby, Catherine (DIFS); Holmes, Ginna (holmesv@michigan.gov)
Cc: Pepper, Joel (MSP); Lisabeth, Nicole (MSP)
Subject: Flint water crisis impacts

Good morning all,

We are preparing the draft of the letter from the governor to the president to request assistance. We are attempting to send this as quickly as humanly possible.

What we need from each agency is a complete but as brief as possible summary of the impacts to the people and economy of Flint resulting from the water crisis, prepared by the best qualified person in your agency.

This would include quantification of past, current, and future or potential future impacts including:

Health
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Insurance (is there any coverage on the part of individuals, or the city or state that might help to cover damages?)
Contributions of voluntary agencies
Environmental; and
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There will be an opportunity to review the entire draft as it is pieced together, to make sure we are including every potential impact that will help to describe the severity of this crisis to the City of Flint and State of Michigan.

If there's any chance of getting summaries by the end of today (let me know what the minimum timeline is that you need), that would be great.

Thanks very much for your assistance,

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:20
To: Katarsky, Anthony (MSP)
Subject: FW: water

Regarding the question I posed to FEMA VAL.

Ken Skalitzky I did interface with a few times in SE MI. I don't know Dennis, but regional connections would be great too.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

-----Original Message-----
From: Halliday, Kathryn [mailto:Kathryn.Halliday@fema.dhs.gov]
Sent: Tuesday, January 12, 2016 10:57 AM
To: Weber, Thomas (MSP); Moran, Regina
Cc: Baker, Zachary (MSP); Bresler, Amanda (MSP)
Subject: RE: water

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The first name that comes to mind is Ken Skalitzky. This should be a familiar name to you, but I'm not sure how closely worked with him. Ginna knows him well. He's a long-time former FEMA VAL from our busy states in Region 4 (Atlanta), and now the Director of Volunteer Florida - the state's lead for Volunteer Coordination. As an added bonus, between jobs he led the All Hands mission in Detroit for many months early on, and he's from Michigan so he knows the state well.
ken@volunteerflorida.org
cell

If you want to keep it in-region and build relationships, Dennis Walter from MN HSEM would be your best bet. He's been a state "VAL" for a long time and is particularly good with state/VOAD coordination and information sharing.
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Michelle Hanneken in IL would be a great choice but she's busy here with flooding.

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Katie Halliday, M.S.W.

DHS FEMA Region V | Voluntary Agency Liaison
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Kathryn.halliday@fema.dhs.gov

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Sent: Tuesday, January 12, 2016 8:36 AM
To: Halliday, Kathryn <Kathryn.Halliday@fema.dhs.gov>; Moran, Regina <Regina.Moran@fema.dhs.gov>
Cc: Baker, Zachary (MSP) <BakerZ@michigan.gov>; Bresler, Amanda (MSP) <BreslerA@michigan.gov>
Subject: RE: water

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From: Halliday, Kathryn [mailto:Kathryn.Halliday@fema.dhs.gov]
Sent: Tuesday, January 12, 2016 9:29 AM
To: Moran, Regina; Weber, Thomas (MSP)
Cc: Baker, Zachary (MSP); Bresler, Amanda (MSP)
Subject: RE: water

Hi Tom,

Thanks for the info below - it's really helpful. A few additional thoughts come to mind. It may be possible for the Adventists to come in and take over warehouse management, tracking and inventory - this is their area of expertise. It would free up some of the Red Cross volunteers to help with distribution, and meet the needs you have at the state level.

I will be on the NVOAD Disaster Health Committee call and will put some feelers out to these partners. If you have a minute to peruse, attached is a draft of the resources available through these partner agencies. As always, they may be flexible and responsive to unique situations like Flint as well.

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Let me know what you think. Jeannie & I would be happy to get the word out and invite partners on a call.

Katie Halliday, M.S.W.
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312.408.5358 desk
718.747.4565 mobile
Kathryn.halliday@fema.dhs.gov

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Sent: Tuesday, January 12, 2016 8:11 AM
To: Weber, Thomas (MSP) <WeberT1@michigan.gov>; Halliday, Kathryn <Kathryn.Halliday@fema.dhs.gov>
Cc: Baker, Zachary (MSP) <BakerZ@michigan.gov>; Bresler, Amanda (MSP) <BreslerA@michigan.gov>
Subject: RE: water

Thanks for this, Tom.

Katie is going to reach out to the Disaster Health Committee for NVOAD to see what's possible. As for long-term needs, I think you're right to think of All Hands, Mennonites, etc. Is Ken looped into all of this?

More soon!

Jeannie Moran
Voluntary Agency Liaison
FEMA Region V
Regina.Moran@fema.dhs.gov
202-821-3867

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From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Monday, January 11, 2016 5:32 PM
To: Moran, Regina; Halliday, Kathryn
Cc: Baker, Zachary (MSP); Bresler, Amanda (MSP)
Subject: RE: water

Tomorrow morning would be almost impossible. It's our planning day, and I'm the planning chief rather than the VAL, which we don't technically have at this point (me and Richard and Zach amongst our other duties).

I could probably make either Zach or Amanda Bresler available for a call. They've been working mostly on the resources and tracking, but we're getting very little good data from the field.

There are a few areas where I can see needs: the most pressing being acquisition and distribution of water. We have five fire stations and some secondary distribution points, plus city hall and the water department itself.

We also have limited people with any sort of logistical experience to help track inventory and report out when trigger points to order more water has been reached. There's currently one main distribution warehouse, and they are also short staffed, but that's where the Red Cross logistics team will report.

The care dogs might deploy, and there will be a lot of long term case management for health care and lead poisoning, but I don't know if the medical side of things would be practical at all for any voluntary organizations other than those that are long term parts of the community.

Also, there are faucet replacement programs and eventually replacing pipes in the homes, that will be interesting, but it might end up being something some of the groups like All Hands, Southern Baptists or Mennonites might be able to help with?

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

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From: Moran, Regina [Regina.Moran@fema.dhs.gov]
Sent: Monday, January 11, 2016 18:10
To: Weber, Thomas (MSP); Halliday, Kathryn
Cc: Baker, Zachary (MSP)
Subject: RE: water

Hey Tom,

Let us do a little research. What kind of needs short and long-term are there that voluntary agencies might help with.

Any chance we could grab you for a phone call tomorrow morning? We want to get a better idea of what's going on out there so we can try to find you some help.

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Sent: Monday, January 11, 2016 5:03 PM
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Cc: Baker, Zachary (MSP)
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well, Michigan's at it again. Have you gotten any requests from Ginna, Richard, or Ken?
We're struggling with water supply. Red Cross is going to bring in a warehouse management team. They are also setting up a VRC. I think we're beginning to get water rolling in on a more continual basis, but I'm curious what might be out there for water, distribution, canvassing??

Also, do any VOAD members to MEDICAL case management?

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State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 11:05
To: 'Halliday, Kathryn'; Moran, Regina
Cc: Baker, Zachary (MSP); Bresler, Amanda (MSP)
Subject: RE: water

I like either of those suggestions. I did interface with Ken a few times in Detroit. What I don't know at the moment is if we're going to be given the go ahead to EMAC, so I'll discuss these options with leadership.

Thanks Katie!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: :

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Sent: Tuesday, January 12, 2016 09:36
To: 'Halliday, Kathryn'; Moran, Regina
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Subject: RE: water

Tomorrow morning would be almost impossible. It's our planning day, and I'm the planning chief rather than the VAL, which we don't technically have at this point (me and Richard and Zach amongst our other duties).

I could probably make either Zach or Amanda Bresler available for a call. They've been working mostly on the resources and tracking, but we're getting very little good data from the field.

There are a few areas where I can see needs: the most pressing being acquisition and distribution of water. We have five fire stations and some secondary distribution points, plus city hall and the water department itself.

We also have limited people with any sort of logistical experience to help track inventory and report out when trigger points to order more water has been reached. There's currently one main distribution warehouse, and they are also short staffed, but that's where the Red Cross logistics team will report.

The care dogs might deploy, and there will be a lot of long term case management for health care and lead poisoning, but I don't know if the medical side of things would be practical at all for any voluntary organizations other than those that are long term parts of the community.

Also, there are faucet replacement programs and eventually replacing pipes in the homes, that will be interesting, but it might end up being something some of the groups like All Hands, Southern Baptists or Mennonites might be able to help with?

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

---

From: Moran, Regina [Regina.Moran@fema.dhs.gov]
Sent: Monday, January 11, 2016 18:10
To: Weber, Thomas (MSP); Halliday, Kathryn
Cc: Baker, Zachary (MSP)
Subject: RE: water

Hey Tom,

Let us do a little research. What kind of needs short and long-term are there that voluntary agencies might help with.

Any chance we could grab you for a phone call tomorrow morning? We want to get a better idea of what's going on out there so we can try to find you some help.

Jeannie Moran
Voluntary Agency Liaison
FEMA Region V
Regina.Moran@fema.dhs.gov

-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Monday, January 11, 2016 5:03 PM
To: Moran, Regina; Halliday, Kathryn
Cc: Baker, Zachary (MSP)
Subject: water

well, Michigan's at it again. Have you gotten any requests from Ginna, Richard, or Ken?
We're struggling with water supply. Red Cross is going to bring in a warehouse management team. They are also setting up a VRC. I think we're beginning to get water rolling in on a more continual basis, but I'm curious what might be out there for water, distribution, canvassing??

Also, do any VOAD members to MEDICAL case management?

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 11, 2016 18:46
To: kcronin@powerscatholic.org; Justin.Bays2@redcross.org
Subject: Volunteer assistance with Flint water

Kasey/Justin,

Thanks Kasey for the response and the offer of assistance. I spoke with Paul Spata, our Red Cross representative here in Lansing, and asked who prospective volunteers could contact there in Flint. Justin, he said you are the volunteer coordinator boots on the ground right now.

Kasey, Red Cross will be establishing a volunteer reception center in the next day or two, and there are things I am pretty sure for which help is needed (staffing the reception center, helping with water distribution or logistical support (inventory) at water resource sites, canvassing/helping distribute information, water, filters, and test kits (at parishes? SVDP locations?). So it could be a mix of "office" jobs, warehouse jobs, and moving inventory jobs, that could also be good for either individuals or teams.

Kasey's number is nd Justin's number is

Thanks again for all your interest and willingness to help!

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security
Michigan State Police

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 11, 2016 15:57
To: kcronin@powerscatholic.org
Subject: FW: Flint Schools

Hi Kasey,

Sean recommended I get in touch with you. I just wanted to see if the schools were being reached out to, and if you had what you need relative to Flint's water emergency. I was also curious if you might have a good St. Vincent de Paul contact that we could get in touch with about helping to distribute donated water?

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

---

From: Sean Costello [scostello@dioceseoflansing.org]
Sent: Monday, January 11, 2016 15:49
To: Weber, Thomas (MSP)
Subject: RE: Flint Schools

Tom,

Thank you for checking in with me! I apologize for not getting back with you sooner. Right now we have three schools that are on Flint water. In each location we have been receiving donations of bottled water to give to students and staff, so we are in good shape. I couldn't tell you how stocked up they are though. The best person to speak to regarding this would be Kasey Cronin, Executive Director for Genesee County Catholic Schools. She is our "boots on the ground" administrator in that region and she will have better answers for you. She can be reached at 810-240-3471 or at kcronin@powerscatholic.org

If you have any questions or would like a further explanation from me, don't hesitate to ask. I hope this helps. Thank you for all you do.
God bless,

Sean Costello
Superintendent
Diocese of Lansing
228 N. Walnut St.
Lansing, MI
48933
(517) 342-2483
Fax: (517) 342-2468

-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Friday, January 08, 2016 2:40 PM
To: Sean Costello
Subject: Flint Schools

Good afternoon Sean,

I'm Father Mattson's soon to be former business manager at Res. But I'm currently with the Michigan State Police Emergency Management. Since Governor Snyder's proclamation of a State of Emergency on Tuesday, we're coordinating response and recovery activities. I wanted to check in with you and see if you've been getting all the support/communication you need from the Department of Education or otherwise on the needs the schools in Flint may have relative to emergency water and testing.

Please let me know if you need anything.

Sincerely,

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 11, 2016 15:55
To: MSP-seocda1
Subject: FW: Flint Briefing 08Jan16
Attachments: 2016-01-08 - Flint Lead MDHHS Sitrep.pdf

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security
Michigan State Police

From: Bouters, Janese (DHHS)
Sent: Monday, January 11, 2016 15:48
To: Anderson, Paula (DHHS); Barr, Jacqui (DHHS); Becker, Timothy (DHHS); Bruneau, Michelle (DHHS); CDevriendt@co.genesee.mi.us; Colston, Leslie (DHHS); DeMyers, Deborah (DHHS); Dykema, Linda D. (DHHS); Edwards, Cynthia (DHHS); Eggleston, Debbie (DHHS); Eisner, Jennifer (DHHS); Fink, Brenda (DHHS); Granger, Patricia (DHHS); Grijalva, Nancy (DHHS); Groetsch, Kory J. (DHHS); Harvey, Janice (DHHS); Hertel, Elizabeth (DHHS); Kaiser Van Dam, Paula (DHHS); Lasher, Geralyn (DHHS); Lyon, Nick (DHHS); McKane, Patricia (DHHS); Miller, Corinne (DHHS); Miller, Mark (DHHS); Minicuci, Angela (DHHS); Moran, Susan (DHHS); MVALACAK@gchd.us; Peeler, Nancy (DHHS); Priem, Wesley F. (DHHS); Priest, Chris (DHHS); Ridley, Nancy (DHHS); Robinson, Mikelle (DHHS); Rockefeller, Cheryl (DHHS); Scott, Jackie (DHHS); Shah, Sandip (DHHS); Sims, Teri (DHHS); Stanbury, Martha (DHHS); Stiffler, Kathleen A. (DHHS); Taylor, Kerri (DHHS); Thompson, Sheryl D. (DHHS); Titus, Laura (DHHS); tlarocco@gchd.us; Travis, Rashmi (DHHS); Turner, Jane (DHHS); Weber, Thomas (MSP); Wells, Eden (DHHS)
Subject: Flint Briefing 08Jan16

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 11, 2016 15:53
To: Sean Costello
Subject: RE: Flint Schools

Thank you Sean, that's good to know and very helpful.

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

---

From: Sean Costello [scostello@dioceseoflansing.org]
Sent: Monday, January 11, 2016 15:49
To: Weber, Thomas (MSP)
Subject: RE: Flint Schools

Tom,

Thank you for checking in with me. I apologize for not getting back with you sooner. Right now we have three schools that are on Flint water. In each location we have been receiving donations of bottled water to give to students and staff, so we are in good shape. I couldn't tell you how stocked up they are though. The best person to speak to regarding this would be Kasey Cronin, Executive Director for Genesee County Catholic Schools. She is our "boots on the ground" administrator in that region and she will have better answers for you. She can be reached at 810-240-3471 or at kcronin@powerscatholic.org

If you have any questions or would like a further explanation from me, don't hesitate to ask. I hope this helps. Thank you for all you do.
God bless,

Sean Costello
Superintendent
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228 N. Walnut St.
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Sent: Friday, January 08, 2016 2:40 PM
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Please let me know if you need anything.

Sincerely,

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 08, 2016 19:46
To: Kelenske, Chris (MSP)
Cc: plangc; Katarsky, Anthony (MSP); Weber, Thomas (MSP); Hampton, Jacqueline (MSP)
Subject: Re: Flint Water Daily Update

Planning hadn't received finalized info on that. I believe it was still in progress.

Sent from my iPhone

On Jan 8, 2016, at 18:39, Kelenske, Chris (MSP) <KelenskeC@michigan.gov> wrote:

> I do not see anything on the fire station or church items. Also, did any water go to the POD my arc or anyone?
>
> Sent from my iPhone
>
> On Jan 8, 2016, at 6:34 PM, plangc <plangc@michigan.gov> wrote:
>
> > Captain,
> >
> > Here is a summary of today's activities – in addition to the notes sent to you by Jackie Hampton/Operations Section Chief earlier:
> >
> > **Command and General Staff Accomplishments:**
> > - Recovery Branch is working to develop an enhanced method for outreach to all individuals.
> > - DHHS is working to develop a method for distribution of water.
> > - Mr. Katarsky conducted briefing with local EOC and Chris DeVriendt.
> > - Mr. Weber conducted briefing with state agencies (daily updates).
> > - Held first legislative call today.
> > - *JIC continued to develop messaging and has implemented a co-located JIC in the* City of Flint.
> > - Deployed 3 EMHSD/SEOC liaisons to assist the local EOC.
> > - MCSC representative deployed to assist in the local EOC as well.
> > - Worked on developing incident objectives for the next operational period.
> > - FEMA Liaison Officers are on site at the SEOC and are assisting and providing technical expertise as needed.
> >
> > **EMHSD GIS Accomplishments:**
> > Accomplished Today (January 8):
> > - Produced Water Point of Distribution Map (POD).
> > - Produced Filter Point of Distribution Map (POD).
> > - Met with Genesee County Emergency Manager to discuss POD locations, and hours of operation. He will also be sending us data on new facilities serving as POD's with hours of operations.
> > - Attempted to geocode list of properties that have received a water filtration system. Geocoding encountered a problem due to original database format. We continue to clean up the database. The GIS Leader visited Flint and will prepare

a memo this evening explaining some of the difficulties discovered and some ideas for work arounds or solutions.
- Attempted to get data on the zip codes. It will be more effective to use parcel info to cross reference with zip codes.
- U of M contacted us to set up a meeting on how best to proceed with digitizing water lines.
- Received account from City of Flint for their ArcGIS online.

Tasks for Tomorrow (January 9):
- Finalize updated list on water filter distributions map.
- Update Water and Filter POD's with updated information from Genesee County Emergency Manager.
- Establish time to meet with U of M.
- Finalize water filter distributions map.
- Finalize plan for data distribution methods.

Volunteer and Donations Management:
- SEOC staff, Local EOC, and local organizations had a call with General Motors about possible donations.
- MCSC has been working on this event for a while through United Way and 211. They will begin providing situation reports and updates through MDHHS.

Please let me know if there's anything else you need. I will be in at 8am.

V/R,
Tom Weber

Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 08, 2016 18:12
To: Katarsky, Anthony (MSP)
Subject: FW: MCSC Support

Mr. Katarsky, fyi...

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security
Michigan State Police

From: Holmes, Virginia (DHHS)
Sent: Friday, January 08, 2016 00:33
To: Thelen, Richard (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS); Veeser, Chad (DHHS)
Subject: Re: MCSC Support

Richard,

Great to hear from you.

I was asked early on to sit in on some of the community meetings. But without a declared disaster, we could not deploy any of the AmeriCorps assets. But with the declaration, we are able to offer some resources.

There will be an announcement today (Friday) that Flint United Way will be receiving a NCCC AmeriCorps team. (the information is embargoed until CNCS makes the announcement) I will forward you the Press Release and so you are aware. Jessi has forwarded it to Ron to keep him informed as well.

The NCCC team is to arrive Feb. 2 and will be here through April. United Way will be taking care of getting them their housing and provide their overall support and management. I have a call in the morning with Wendy Spencer, the CEO of the Corporation for National and Community Service and Harvey Hollins, from the Governor's Office to discuss the announcement of the team and determine if there are other resources to consider.

I am wondering who is overseeing the operations in Flint and what needs have been identified that volunteers could assist with meeting? We can make some resources available from AmeriCorps - but it is best to know what the needs are and then determine what options to use.

Once you have a clear understanding of the needs, we can determine if any of the following additional resources could be of assistance:

1. American Red Cross AmeriCorps members can be redeployed. There are currently 34 in the state, we are able to ask 17 at a time to be redeployed to Flint. They could be of help this month - if you identify there is a need.

2. American Red Cross Case Management. We have given an AmeriCorps grant to Red Cross in Detroit and they have had a tough time getting it set up because they do not have the match. This could be an opportunity for us to serve both Flint and Detroit. We could have 10 members in each community trained to work with residents and help them get the resources they need. For Flint - provide information, filters, blood level checks, other identified resources. For Detroit - provide the housing support services they need to recover from the flood. I would need to find about $100,00 in match money - but with the current concerns in Flint, there may be options to do this. The good news is Red Cross will manage the members - we just need to determine if there is a need. Chad could assist with helping to get this set up. If we stand this up - they would be full time members serving for a full year. This would be a more consistent option that could provide longer term benefits. This grant could be renewed up to three years.

3. Operation AmeriCorps - Flint received this new AC program and there may be an option to have some of the members assist if an identified need develops. They are serving in the schools and so we could think of a unique way to have them provide information and assistance to families in the school.

4. CNCS state office is determining what RSVP and Senior Corps members could do to assist with the effort.

5. Chad Veesar from MCSC is available to assist with managing the volunteer component and provide ideas regarding how AC members could be used in this situation. As you know, he has plenty of direct experience in Detroit that could be an asset.

If you could give us an indication of what you are seeing the needs are for volunteers, that would be helpful. It will give us a heads up as to how we can best offer our support. I do understand if you are still at the assessment stage.

Let me know if you would like to have a call to discuss options available and what roles everyone will take.

Ginna

Ginna Holmes
Executive Director
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

holmesv@michigan.gov
(517) 335-4295

From: Veeser, Chad (DHHS)
Sent: Thursday, January 7, 2016 9:57 AM
To: Thelen, Richard (DHHS); Holmes, Virginia (DHHS)

Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS)
Subject: RE: MCSC Support

I will leave that to Ginna. I am not involved at this time. I know Ginna has been part of meetings and we've offered support.

Chad

From: Thelen, Richard (DHHS)
Sent: Thursday, January 07, 2016 9:30 AM
To: Veeser, Chad (DHHS); Holmes, Virginia (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS)
Subject: RE: MCSC Support

Thanks Chad. We will keep you updated as resource requests come in. Can someone give me a summary of what involvement the commission is currently playing? I need to have a complete picture, and report out on what our Department is doing for this.

Thanks
Richard

From: Veeser, Chad (DHHS)
Sent: Thursday, January 7, 2016 9:23 AM
To: Weber, Thomas (MSP) <WeberT1@michigan.gov>; Baker, Zachary (MSP) <BakerZ@michigan.gov>; Thelen, Richard (DHHS) <ThelenR4@michigan.gov>
Subject: MCSC Support

Gentlemen, Ginna has asked me to reach out to you. In light of the recent declaration in Flint, I want to make sure you are aware that I am here to support any state/national service and volunteer efforts. I do have my experience from the Detroit flooding to bring to bear. I know Ginna has been involved with aspects of this thus far, and we are working to support the United Way of Genesee County and the City of Flint in any of their volunteer work, should they need it.

Some of what has occurred could be part of our discussion in next week's meeting (roles and options, what I can bring to the table, and what you would need to be accomplished). If you need to contact me by phone, my cell is:

Thank you,

Chad Veeser
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 08, 2016 17:43
To: Thelen, Richard (DHS)
Subject: FW: MCSC Support

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security
Michigan State Police

From: Holmes, Virginia (DHHS)
Sent: Friday, January 08, 2016 00:33
To: Thelen, Richard (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS); Veeser, Chad (DHHS)
Subject: Re: MCSC Support

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holmesv@michigan.gov
(517) 335-4295

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To: Thelen, Richard (DHHS); Holmes, Virginia (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS)
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Thank you,

Chad Veeser
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 08, 2016 14:40
To: scostello@dioceseoflansing.org
Subject: Flint Schools

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Please let me know if you need anything.

Sincerely,

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security
Michigan State Police

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 08, 2016 12:19
To: Lynne Feldpausch (MEDC); Strobel, Pamela (MSP)
Cc: Hendges, Jeremy (TED); Barcroft, Jaclyn (MSP)
Subject: RE: MTED

Hi Lynne,

I copied Jaclyn Barcroft who is our MI CIMS manager. She can get you set up with a log in now and then the training for it. She did mention that Teri Martin has access currently if that helps in the short term.

Thanks!

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security
Michigan State Police

From: Lynne Feldpausch (MEDC) [feldpauschl@michigan.org]
Sent: Friday, January 08, 2016 12:16
To: Strobel, Pamela (MSP)
Cc: Hendges, Jeremy (TED); Weber, Thomas (MSP)
Subject: RE: MTED

Good afternoon, Pam.
I do not have anything additional to report on behalf of MTED. However, since we do not have access to the SIMs database, I cannot view tasks or assignments. We have been attending the 9:30a SEOC update calls.

Please advise if further information is required.

Thank you,
Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060
feldpauschl@michigan.org
Follow me on Twitter: @LynneFeldpausch

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From: Lynne Feldpausch (MEDC)
Sent: Wednesday, January 06, 2016 4:26 PM
To: 'Strobel, Pamela (MSP)'
Cc: Jeremy Hendges (TED)

Subject: MTED
Importance: High

Good afternoon, Pam.
Per our conversation, I was in attendance at the SEOC from 11:03a to 3:45p. With the recent transition of these responsibilities at MTED, I have not been trained on/logged in to the SIMs system to date. Therefore, this message contains the report from Michigan Department of Talent and Economic Development (MTED), due by 4:30p:

MSHDA

1. Allowable: Pay for the costs of water quality analysis of all MSHDA backed mortgages in Flint.
2. Allowable: Pay for the replacement of water lines owned by residents with MSHDA mortgages within the city that need to be replaced or lines to homes with MSHDA backed mortgages or incomes less than 50% AMI.
3. Allowable: Pay for a percentage of the reconnection fee to acquire water from Detroit up to an amount not to exceed the % of MSHDA financed homes or low income households in the city (50% AMI).
4. Allowable: Pay for the replacing the city's municipal water line infrastructure associated with water lines being replaced to homes in the city with MSHDA backed mortgages or those household at or below 50% AMI.
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7. Allowable: Purchase of water filters for any low income households (50% AMI).
8. Allowable: public awareness through HDF grants

- The grants staff team is already drafting the necessary background materials for a potential grant application request. We would just need to know the recipient of the grant and purpose (allowable uses).

- We are exploring CDBG grant funds or other assistance from HUD.

MSF/MEDC

- MSF/MEDC had offered low interest loans as part of the deep freeze crisis. While this would require legislative action to authorize, it is something that could be considered in this scenario. It would require re-purposing any remaining funds.

Please let me know if there is additional information required. I *am* receiving the SEOC emails/voicemails.
As a side note, Melanie Brown has been temporarily reassigned to DEQ during the Flint Water Crisis. Jeremy Hendges will be acting as PIO for TED (cc'd on this message).

Thank you for your assistance, Pam.

Best regards,
Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
Michigan Economic Development Corporation
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 08, 2016 07:31
To: MSP-seocda1; plangc
Subject: FW: FEMA Region V Open Source Summary 01-08-2016

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: FEMA-R5-Watch [mailto:FEMA-R5-Watch@fema.dhs.gov]
Sent: Friday, January 08, 2016 6:00 AM
Subject: FEMA Region V Open Source Summary 01-08-2016

FEMA Region V Open Source Summary (OSS)
Regional Points of Interest
Friday, January 8, 2016

Regional Weather and Impacts

Alexander County levee break will bring more challenges
(The Southern Illinoisan)
Alexander County, IL: The grim reality of unseasonable flooding that led to a levee break in Alexander County last week might be compounded when high waters finally recede. After the 1993 flood, it cost about $4 million to repair the Len Small Levee, said Alexander County Board Chairman Chalen Tatum. He also pointed out that the '93 levee break was smaller than last week's breach. It's too early to know how much the latest breaks will cost, additionally, a second, smaller breach occurred sometime after Friday's breach. Tatum believes repairs will cost more than they did 23 years ago, considering inflation factors. The good news is the U.S. Army Corps of Engineers will likely cover 80 percent of those costs if the Levee District meets a long list of conditions, a Corps spokeswoman said. The bad news — in a sparsely populated area of small towns and farmland in one of the state's poorest counties, there's still the 20 percent to come up with.

Receding waters allowing some to return home, clean up, return to normalcy
(The Southern Illinoisan)
Cairo, IL: As floodwaters began to recede in parts of Southern Illinois, some communities are turning to cleanup and even returning to the homes they might have left. As the water recedes in Alexander County, many of the side roads still remain closed, said Alexander County Sheriff Tim Brown. The major roads, like Illinois 3 and 127, were never closed and are still open to travel, he said. A Mississippi River flood warning is still in effect for Alexander County for the next few days, according to Greg Meffert, lead forecaster for the National Weather Service. The river measured 4In Jackson and Union counties, emergency management officials lifted their evacuation recommendation and voluntary evacuation order at 8 a.m. Wednesday. Road-closure signs have been removed from most of the blockaded streets, Union Sheriff Scott Harvel said Wednesday afternoon. "It's looking a lot better because the river is really starting to drop," Harvel said. Since

Sunday, the river has fallen almost six feet, from its high of 48.8 feet on Sunday to 41.48 feet on Wednesday, he said. Crews were out Wednesday cleaning up, he said.

Durbin looks for answers as flood victims plead for delayed funds
(WSIL 3)
Alexander County, IL: Flooding in Alexander County brings a reminder of unfilled promises for many. County Leaders say owners of 127 properties who opted for the buyout program are still waiting for that money, so residents pleaded with U.S. Senator Dick Durbin to find out why. "The federal funds are there available for use. It's the 25 percent state matching funds that the state has locked up," said a county official. "Well, clearly the answer is the state budget," said Durbin. "We've waited a long time, the sooner the better. In the meantime, I'll contact the Rauner administration to see if they can do a release when it comes to these funds." News 3 asked if that would require a court order and Durbin said "Beyond the current court order, I can't say. I just can't say at this point. But if it discretionary on the part of the state of Illinois to have this decision to release state funds then that's the governor's decision. News 3 also spoke with the governor's office, who says there's been no appropriation for the contribution at the state level and the federal contract makes Alexander County responsible to provide and/or secure the matching funds.

Damage assessments begin as evacuations lifted
(WPSD)
Grand Tower, IL: Evacuation notices have been lifted in Union and Jackson counties in Illinois, giving the all clear for people to return home for the first time in over a week. Jackson County Emergency Manager Derek Misener says the county is just now starting to get a sense of how much damage was done. "The most devastated areas are really just now starting their damage assessments," said Misener. "One of the things with flooding is you don't really know if a road is ruined until the water goes down." Misener says it's crucial that people report any damage because the state of Illinois has to hit an $18 million damage threshold to receive any assistance from the federal government. He says while that may not seem like a lot now, during the next flood it could keep the water in the rivers and out of your town. According to Misener, levee improvements and a new flood gauge are needed before the water rises again.

Flooding Disaster Declaration Could Lead To Federal Relief, but There's No Guarantee
(Peoria Public Radio)
Iroquois County, IL: Governor Rauner toured the flooded areas of Illinois and continued on Tuesday with a visit to Watseka, about 100 miles south of Chicago near the Indiana border, in Iroquois County, one of the counties that's just received the disaster designation. Rauner says that does two things. "One, it frees up state resources so we can bring state personnel and equipment and supplies to help the first responders and volunteers everywhere," he said. It's also the initial step in requesting federal disaster relief. "We are going to try to get the federal government to reimburse losses as a result of this flood," Rauner said. But it's no guarantee; the Federal Emergency Management Agency has denied some of Illinois' requests in the past, for example, after tornadoes. Higher damage costs could increase the state's chances. Affected homeowners are asked to submit their financial information to county officials. The new additions are Cass, Cumberland, Iroquois, Lawrence, Marion, Menard, Moultrie, Pike, Richland, Sangamon and Vermilion counties. Last week, Alexander, Calhoun, Christian, Clinton, Douglas, Jackson, Jersey, Madison, Monroe, Morgan, Randolph and St. Clair counties received the designation.

Fort Wayne to receive delayed FEMA money for buying 18 homes in flood-prone area
(News Sentinel)
Fort Wayne, IN: The City of Fort Wayne was scheduled Thursday to receive a check from the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) for $862,946 to buy and demolish 18 homes in flood-prone areas. Receipt of the FEMA award was announced in July. Plans for its distribution had been put on hold early last year by a dispute between FEMA and a Kokomo project to build a baseball stadium that reportedly extended onto flood-prone land. City officials provided additional details about the Fort Wayne project in December during an update to City Council. The city and Maumee River Basin Commission must contribute 25 percent in matching funds — nearly $288,000 — increasing the total funds available to about $1.15 million. The homes the city hopes to purchase are located in various locations throughout the community, but the largest share are near Junk Ditch and Fairfield Ditch in southwest Fort Wayne. None of the 18 homes has been purchased yet, and buyouts would take place only if the homeowners voluntarily agree to sell to the city. After the homes are demolished, the land will be maintained as green space. The project is part of pre-disaster mitigation efforts, which provide grants so state and local governments can take long-term steps to reduce the risk of flood damage, the city's announcement said in July.

Water Sector

Water crisis in Flint, Michigan, draws federal investigation

(CNN)

Flint, MI: High levels of lead have plagued Flint's municipal water supply for at least a year, prompting extensive emergency measures to keep residents safe. Flint returning to Detroit water amid lead concerns. On Tuesday, Michigan Gov. Rick Snyder declared a state of emergency for Genesee County as a result of the water crisis. The U.S. attorney's office for the Eastern District of Michigan is also investigating, office spokeswoman Gina Balaya said Tuesday. Curt Guyette of the American Civil Liberties Union of Michigan called the probe "an important step that needs to be taken in order to get to finding the root causes of the disaster that has occurred in Flint and to hold everyone involved responsible." Flint council OKs funds for return to Detroit water after lead concerns. In November, Flint citizens filed a class-action lawsuit on behalf of victims of high levels of lead against Snyder, the state of Michigan, the city of Flint and other state and city officials. The investigation by the U.S. attorney's office comes more than a year after the city of more than 100,000 people began getting water from the Flint River instead of from Lake Huron via Detroit's water system. The move was announced as a temporary, cost-cutting measure until Flint could get Great Lakes water on its own, according to the class-action lawsuit. But then came residents' complaints about strangely colored tap water. Studies showed that lead piping elevated lead levels 10 times higher than they had previously measured. A local hospital discovered that the percentage of Flint children with elevated lead levels nearly doubled after the switch. The health effects listed in the class-action suit include: skin lesions, hair loss, high levels of lead in the blood, vision loss, memory loss, depression and anxiety. Keith John Pemberton and his wife, Jacqueline, who are in their late 60s, allege in court documents that they suffered property damage because of the corrosive water, loss of value in their home, skin lesions and "psychological disorders such as depression, chronic anxiety and an inability to cope with normal stress." These conditions, according to the suit, were the result of bathing, washing and normal household activities. The Pembertons' allegations mirror those of Rhonda Kelso, 52, who, along with her 12-year-old daughter, said she suffered skin lesions and psychological problems. Kelso and her daughter have pre-existing disabilities, which they said the lead buildup in their blood compounded. The complaints prompted a host of actions to address what was labeled a public health emergency. The city ordered public schools to stop running water for taps and water fountains, according to WEYI-TV. Government agencies passed out more than 6,000 water filters, said Nick Lyon, director of the Michigan Department of Health and Human Services. The situation could affect the city for years. In a state of emergency declaration, Flint Mayor Karen Weaver indicated that more funding will be needed for special education services because lead "can cause effects to a child's IQ, which will result in learning disabilities." The water from the Flint water plant, according to an October public health emergency declaration from the Genesee County Board of Commissioners, meets all federal standards. But the declaration said that lead in service lines, or solder connections, can leach into individuals' homes because "of the corrosivity of the water since changing to the Flint River as the source supply." The governor's office has said Snyder "requested funding to switch the source back to the Great Lakes Water Authority," to combat the lead leaching, and "appointed an independent task force to identify possible missteps and areas for improvement." The situation got under control after city and state officials announced last fall that Flint would switch back to Detroit's water supply.

Communications/Information Technology Sector

Time Warner Cable says up to 320,000 customers' data may have been stolen

(Reuters)

National: Time Warner Cable Inc said on Wednesday up to 320,000 customers may have had their email passwords stolen. The company said email and password details were likely gathered either through malware downloaded during phishing attacks or indirectly through data breaches of other companies that stored Time Warner Cable's customer information, including email addresses. The company said it has not yet determined how the information was obtained, but there were no indications that Time Warner Cable's systems were breached. Time Warner Cable spokesman said it was recently notified by the Federal Bureau of Investigation that some customers' email addresses including account passwords "may have been compromised." The company said it is sending emails and direct mail correspondence to encourage customers to update their email passwords as a precaution.

Transportation Sector

Inbound Stevenson Expressway Shut Down Near Central Avenue after 5-Vehicle Crash

(NBC Chicago)
Chicago, IL: All lanes on the inbound Stevenson Expressway were shut down near Central Avenue during the evening rush hour Thursday due to a five-vehicle crash, state police said. At least one person was injured in the accident. All lanes had reopened around 5 p.m., but extensive delays were still reported on the roadway.

Law Enforcement & Intelligence Sector

Milwaukee Suspect among Three Arrested In ongoing Terror Sweep
(CBS 58)
Milwaukee, WI: Arrests were made Thursday in Houston, Sacramento and Milwaukee in an ongoing terrorism investigation, according to law enforcement sources. "I can confirm that there were two national security related arrests today, one in Houston and one in Sacramento," Department of Justice spokesman Marc Raimondi told CBS News' Paula Reid. "There is no current threat to public safety associated with these arrests." The Milwaukee division of the FBI confirms that three subjects were arrested in Wisconsin today. Those charges are unrelated to terrorism. The subjects are expected to be in court tomorrow and more information will be released then. The FBI wants everyone to be aware that there is no threat to the public in Wisconsin.

Respectfully,

William M. Pillai
Senior Watch Operations Officer
Department of Homeland Security
FEMA Region V, Regional Watch Center
536 S. Clark Street (6th Flr.)
Chicago, IL 60605
Office: (312) 408-5498/5365
Blackberry:
Fax: (312) 408-5302

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 07, 2016 16:06
To: MSP-seocda1
Subject: FW: Flint Briefing 06Jan16
Attachments: image001.jpg; 2016-01-06 - Flint Lead MDHHS Sitrep.pdf

fyi...

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

---

From: Bouters, Janese (DHHS)
Sent: Thursday, January 07, 2016 12:26
To: Anderson, Paula (DHHS); Barr, Jacqui (DHHS); Becker, Timothy (DHHS); Bruneau, Michelle (DHHS); CDevriendt@co.genesee.mi.us; Colston, Leslie (DHHS); DeMyers, Deborah (DHHS); Dykema, Linda D. (DHHS); Edwards, Cynthia (DHHS); Eggleston, Debbie (DHHS); Eisner, Jennifer (DHHS); Granger, Patricia (DHHS); Grijalva, Nancy (DHHS); Groetsch, Kory J. (DHHS); Harvey, Janice (DHHS); Hertel, Elizabeth (DHHS); Kaiser Van Dam, Paula (DHHS); Lasher, Geralyn (DHHS); Lyon, Nick (DHHS); McKane, Patricia (DHHS); Miller, Corinne (DHHS); Miller, Mark (DHHS); Minicuci, Angela (DHHS); Moran, Susan (DHHS); MVALACAK@gchd.us; Peeler, Nancy (DHHS); Priem, Wesley F. (DHHS); Priest, Chris (DHHS); Ridley, Nancy (DHHS); Robinson, Mikelle (DHHS); Rockefeller, Cheryl (DHHS); Scott, Jackie (DHHS); Shah, Sandip (DHHS); Sims, Teri (DHHS); Stanbury, Martha (DHHS); Stiffler, Kathleen A. (DHHS); Taylor, Kerri (DHHS); Thompson, Sheryl D. (DHHS); Titus, Laura (DHHS); tlarocco@gchd.us; Travis, Rashmi (DHHS); Turner, Jane (DHHS); Weber, Thomas (MSP); Wells, Eden (DHHS)
Subject: Flint Briefing 06Jan16

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263
[cid:image001.jpg@01D1399F.97AE2250]

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 07, 2016 07:39
To: plangc
Subject: FW: Flint Briefing 05Jan16
Attachments: 2016-01-05 - Flint Lead MDHHS Sitrep.pdf

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Bouters, Janese (DHHS)
Sent: Wednesday, January 06, 2016 2:07 PM
To: Anderson, Paula (DHHS); Barr, Jacqui (DHHS); Becker, Timothy (DHHS); Bruneau, Michelle (DHHS); CDevriendt@co.genesee.mi.us; Colston, Leslie (DHHS); DeMyers, Deborah (DHHS); Dykema, Linda D. (DHHS); Edwards, Cynthia (DHHS); Eggleston, Debbie (DHHS); Eisner, Jennifer (DHHS); Granger, Patricia (DHHS); Grijalva, Nancy (DHHS); Groetsch, Kory J. (DHHS); Harvey, Janice (DHHS); Hertel, Elizabeth (DHHS); Kaiser Van Dam, Paula (DHHS); Lasher, Geralyn (DHHS); Lyon, Nick (DHHS); McKane, Patricia (DHHS); Miller, Corinne (DHHS); Miller, Mark (DHHS); Minicuci, Angela (DHHS); Moran, Susan (DHHS); MVALACAK@gchd.us; Peeler, Nancy (DHHS); Priem, Wesley F. (DHHS); Priest, Chris (DHHS); Ridley, Nancy (DHHS); Robinson, Mikelle (DHHS); Rockefeller, Cheryl (DHHS); Scott, Jackie (DHHS); Shah, Sandip (DHHS); Sims, Teri (DHHS); Stanbury, Martha (DHHS); Stiffler, Kathleen A. (DHHS); Taylor, Kerri (DHHS); Thompson, Sheryl D. (DHHS); Titus, Laura (DHHS); tlarocco@gchd.us; Travis, Rashmi (DHHS); Turner, Jane (DHHS); Weber, Thomas (MSP); Wells, Eden (DHHS)
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Janese Bouters
Executive Secretary to Corinne Miller
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Phone: (517) 335-8731
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 07, 2016 07:37
To: plangc; MSP-seocda2; MSP-seocda1
Subject: FW: MTED

Importance: High

Fyi...

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Strobel, Pamela (MSP)
Sent: Wednesday, January 06, 2016 4:29 PM
To: MSP-SEOCOPSC; Weber, Thomas (MSP)
Subject: FW: MTED
Importance: High

FYI

From: Lynne Feldpausch (MEDC) [mailto:feldpauschl@michigan.org]
Sent: Wednesday, January 06, 2016 4:26 PM
To: Strobel, Pamela (MSP)
Cc: Hendges, Jeremy (TED)
Subject: MTED
Importance: High

Good afternoon, Pam.
Per our conversation, I was in attendance at the SEOC from 11:03a to 3:45p. With the recent transition of these responsibilities at MTED, I have not been trained on/logged in to the SIMs system to date. Therefore, this message contains the report from Michigan Department of Talent and Economic Development (MTED), due by 4:30p:

MSHDA

1. Allowable: Pay for the costs of water quality analysis of all MSHDA backed mortgages in Flint.
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- MSF/MEDC had offered low interest loans as part of the deep freeze crisis. While this would require legislative action to authorize, it is something that could be considered in this scenario. It would require re-purposing any remaining funds.

Please let me know if there is additional information required. I *am* receiving the SEOC emails/voicemails.
As a side note, Melanie Brown has been temporarily reassigned to DEQ during the Flint Water Crisis. Jeremy Hendges will be acting as PIO for TED (cc'd on this message).

Thank you for your assistance, Pam.

Best regards,
Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Thursday, January 07, 2016 07:28
To: plangc; MSP-seocda1; MSP-seocda2
Subject: FW: FEMA Region V Event OSS 01-07-2016

Fyi...

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: FEMA-R5-Watch [mailto:FEMA-R5-Watch@fema.dhs.gov]
Sent: Thursday, January 07, 2016 6:00 AM
Subject: FEMA Region V Event OSS 01-07-2016

FEMA Region V Open Source Summary (OSS)
Regional Points of Interest
Thursday, January 7, 2016

Regional Weather and Impacts

Ardent Mills Says Resumes Operations At Illinois Flour Mill After Flooding
(Reuters)
Alton, Illinois: The largest U.S. flour miller Ardent Mills has resumed bulk shipments at a mill in Alton, Illinois, as floodwaters along the Mississippi River receded while a mill in Chester, Illinois, "likely will be down for multiple weeks," company spokeswoman Mary Ann Strombitski said on Tuesday. Near-record high floodwaters following deadly winter storms forced the company to shut down the mills a week ago.

Federal Officials Make Recommendations To Prevent Future Flood Damage
(WSIL ABC 3)
Grand Tower, Illinois: Federal development officials are touring areas affected by flooding throughout the southern Illinois region. They are assessing ways government aid can help communities recover and rebuild. A group of Delta Regional Authority employees made several stops, including the levee in Grand Tower. Their goal is to figure out exactly what investments will help make local flood protection sustainable for years to come. As federal officials tour Jackson County with Delta Regional Authority - they also recommend installing a better river gauge on the Big Muddy and creating an overpass road above the Cora levee to prevent Route 3 from closing down. Damage in Jackson County varies. Most levees along the Mississippi River held up, while chunks of the Big Muddy levee were eroded away. Some say Jackson County got lucky. The Len Small Levee near Olive Branch in Alexander County did breach, flooding dozens of properties and putting some local residents out of a job.The levee could take months to repair. Emergency officials are considering how soon to lift their recommendation for voluntarily evacuation.

Alexander County Levee Break Will Bring More Challenges
(Southern Illinoisan)

Illinois: The grim reality of unseasonable flooding that led to a levee break in Alexander County last week might be compounded when high waters finally recede. After the 1993 flood, it cost about $4 million to repair the Len Small Levee, said Alexander County Board Chairman Chalen Tatum. He also pointed out that the '93 levee break was smaller than last week's breach. It's too early to know how much the latest breaks — a second, smaller breach occurred sometime after Friday's breach — but Tatum believes repairs will cost more than they did 23 years ago, just considering inflation. The good news is the U.S. Army Corps of Engineers will likely cover 80 percent of those costs if the Levee District meets a long list of conditions, a Corps spokeswoman said. The bad news — in a sparsely populated area of small towns and farmland in one of the state's poorest counties, there's still the 20 percent to come up with It is too soon to tell how bad the levee damage was, at Len Small or elsewhere in Southern Illinois. Most levees in the region, as well as the state within the Corps' St. Louis District, are currently at minimally acceptable or unacceptable status of Corps standards. That means repairs needed outside of flood damage must be locally funded. Most of those levees are also Corps built, unlike the Len Small Levee. For those levees, the Corps will pay 100 percent of the cost for flood-related repairs. Several districts, including the Grand Tower Levee District and the Degonia and Fountain Bluff Levee District have enrolled in a Corps program designed to provide technical advice to restore systems to acceptable levels. Officials in Jackson and Union counties said it is still too early to assess damage, though it appears the flood did not cause significant damage. The worst might be at the Degonia and Fountain Bluff Levee and Drainage District, President Carl Heins said. Some sliding on the levee wall did occur that will likely need to be built back up.

Water Sector

Michigan Governor Declares State of Emergency over Flint's Toxic Tap Water

(Weather.com)

Michigan: Michigan Gov. Rick Snyder has declared a state of emergency in Flint and Genesee County due to a contaminated drinking water crisis. Coincidentally, this declaration came on the same day that the U.S. Attorney's Office confirmed its investigation into the contamination of Flint's water supply, according to the Detroit Free Press. "The health and welfare of Flint residents is a top priority and we're committed to a coordinated approach with resources from state agencies to address all aspects of this situation," said Snyder in a press release. "Working in full partnership with the Flint Water Advisory Task Force, all levels of government and water quality experts, we will find both short-term and long-term solutions to ensure the health and safety of Flint residents." In 2014, Flint swapped over from Detroit's water system to water from the Flint River in an effort to cut costs, reports FOX News. It was a temporary set up until a pipeline was built from Lake Huron. The change did not go unnoticed by residents, who complained about the taste of the water, as well as its smell and appearance. The issues worsened as elevated levels of lead were found in children as a result of drinking the water. In October 2015, the city returned to Detroit's drinking water. "The damaged water infrastructure and leaching of lead into the city's water caused damage to public and private water infrastructure, and has either caused or threatened to cause elevated blood lead levels, especially in the population of children and pregnant women, and causing a potential immediate threat to public health and safety and disrupting vital community services," said Snyder in the declaration. The emergency declaration makes federal aid possible. Snyder can request a damage assessment from the Federal Emergency Management Agency (FEMA) to use as a basis for determining eligibility for federal aid.

Federal Officials Probe Lead-Tainted Water In Flint, Michigan

(Reuters)

Michigan: Federal officials are investigating the lead contamination of drinking water in Flint, Michigan, after the financially beleaguered city switched sources to save money, a spokeswoman for the U.S. Attorney in Detroit said on Tuesday. Michigan Governor Rick Snyder apologized in late December for the state's mishandling of lead contamination of Flint's water supply and accepted the resignation of the state official whose department is responsible for overseeing water quality. The U.S. Attorney's Office is working closely with the U.S. Environmental Protection Agency to address the concerns of Flint residents and investigate the contamination of Flint's water supply, said Gina Balaya, a spokeswoman for the U.S. Attorney. Snyder later on Tuesday declared a state of emergency in Genessee County, which includes Flint, authorizing additional state resources to address the health and safety issues. The city declared a local emergency in mid-December. Snyder spokesman Dave Murray said the state would cooperate with any requests from the U.S. Attorney's Office "as it looks into Flint's water challenges." The governor has appointed an independent panel to review local, state and federal actions related to the drinking water situation and is working with city and county leaders, he said.

Boil Water Advisory Issued For Belle Isle

(The Detroit News)

Michigan: There is a boil water advisory in effect on Belle Isle after low water pressure and low chlorine levels were detected Tuesday, according to the Michigan Department of Natural Resources. "Bacteria levels came out negative which means that's OK, but the chlorine levels are still low," said Ron Olson, chief of parks and recreation for the DNR. "The suspicion is because the water pressure is low, that may affect the chlorine levels." The issue was detected around 12 p.m. Tuesday after city officials tested water near the island's Coast Guard outpost, which recently had been experiencing varying levels of water pressure, Olson said. Belle Isle is hooked up to the city's water and sewerage system. Further testing showed no harmful bacteria in the water but officials determined the water "may not be potable" due to the low pressure and low chlorine, Olson said. The advisory was issued "as a precautionary measure." Several agencies including the city, the DNR and the Michigan Department of Environmental Quality are working to pinpoint the cause of the low water pressure, Olson said. Meanwhile, Olson said aquatic life at the island's aquarium are protected in their controlled tank environments.

Communications/Information Technology Sector

DHS Issues Process and Privacy Guidance on State and Local Drones

(Electronic Frontier Foundation)

National: Just before the holidays, a Department of Homeland Security (DHS) working group released guidance for state and local agencies using drone aircraft. The document, Best Practices for Protecting Privacy, Civil Rights & Civil Liberties In Unmanned Aircraft Systems Programs, addresses concerns over the implications of high-tech tools that, without rigorous controls and oversight embedded in law and embodied in code, can easily be abused. Some aspects of the guidance construct a robust process surrounding the adoption of drones. For instance, it suggests consultation with legal counsel and issue experts, as well as a clear definition of a program's mission and scope. The guidance also recommends ongoing assessment of privacy impacts and a redress program. Other more substantive provisions address the use of drones themselves. For instance, the DHS guidance suggests limits on how drones collect data, how the data used, how long it is retained, and to whom and for what purposes it is disseminated. At root, the guidance remains advisory, binding neither state nor local agencies, nor even agencies within DHS itself. Longstanding concerns about inadequate transparency and protections by DHS component agencies will remain and continue to mount. The guidance is also limited to particular settings. The working group said its guidance was "intended for first responders (e.g., emergency management, emergency medical service, fire departments, and security professionals responding to disasters and other emergencies) and does not seek to provide guidance in regard to investigative use of [drones]," despite the group's recognition of historical patterns of recurring abuses by law enforcement agencies.

Very Respectfully,

Cornelius C. Miller

Senior Watch Officer
FEMA - Region V
536 South Clark Street, 6th floor
Chicago, IL 60605
(312) 408-5498 (Office)
(Cell)
(312) 408-5451 (FAX)

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 05, 2016 13:08
To: McCarthy, Joyce (MSP) (MccarthyJ6@michigan.gov)
Subject: weekly activites
Attachments: SPU Weekly Bullets 2016-01-11.docx

I think the previous one was an incomplete version...

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 05, 2016 12:42
To: McCarthy, Joyce (MSP) (MccarthyJ6@michigan.gov)
Subject: weekly bullets
Attachments: Activity New Format 9-14-15.docx

Por vous

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 05, 2016 11:49
To: Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Subject: Draft Proclamation
Attachments: 2016-01-05 Flint Water Governor's Declaration DRAFT REVS by JP-ZB.docx

Cap/Tony,

A draft proclamation is attached. Please let me know any changes you'd like in the document.

V/R,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: [redacted]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 05, 2016 11:33
To: Sobocinski, Mike (MSP)
Subject: RE: weekly activities list

Thank you sir

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 11:30 AM
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 4 to 8:
Section Updates: (no items)
Key Activities:

- Work on quarterly activities report and updated local HM plan tracking map (Sobocinski)
- Work to follow-up on Flint emergency declaration: draft declaration request letter (Sobocinski, Baker)
- Provide review feedback to Michigan Department of Military and Veterans Affairs re: MI National Guard bases' plan (Sobocinski)
- Evaluate, purge, sort accumulated office materials, in prep for move (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)

External Meetings: (no items)

Next week, January 11 to 15:
Section updates:

- 3 hours of Annual leave Tuesday, starting 2pm (Sobocinski)

Key Activities:

- Work to follow-up on Flint emergency declaration: draft declaration request letter (Sobocinski, Baker)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- Thursday NEMA webinar on cyber-attack, 2pm (Sobocinski, Baker)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, January 05, 2016 11:04
To: Pepper, Joel (MSP); Baker, Zachary (MSP)
Subject: draft proclamation
Attachments: 2016-01-05 Flint Water Governor's Declaration DRAFT.docx

Joel/Zach,

Cap would like this by ... well, the Governor's office wants it by 3, so if you could get it to me in the next half hour or so, that would be great.

Just give it a review. Zach, if you could look for any specificity on dates, that would help.

Thanks,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY",

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 17:01
To: Sobocinski, Mike (MSP)
Subject: RE: Monday meeting notes

I am 99% sure Flint's system only serves the City. Their "damage assessment" is supposed to identify exactly which pipes are affected. It would be worth looking into getting a map of their water system's service area.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Monday, January 04, 2016 4:57 PM
To: Weber, Thomas (MSP)
Cc: Baker, Zachary (MSP)
Subject: RE: Monday meeting notes

Sounds good.
I'm "pretty good" at putting together census-based descriptions. Have been doing it for at least 20 years...
Since Genesee County has declared an emergency now, do you know if the focus is still specifically and exclusively on the city of Flint? (Were there any adjacent areas that also shared the Flint water system, such as Flint Township?) That would be the first question I'd need answered.

Thanks,
Mike

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 4:51 PM
To: Sobocinski, Mike (MSP)
Cc: Baker, Zachary (MSP)
Subject: RE: Monday meeting notes

Glad you asked! While the Governor has not yet made the decision, it is virtually certain we'll be going to the feds with some sort of request for assistance, even if it's not through FEMA. So I think it would be well for us to get started on the demographic component, and it makes as much sense to use our past formats for declaration request letters as anything. Here's a copy of the one used for the SE MI flooding in '14. We can meet on this tomorrow if you'd like. I figured you two could work on this together.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division

Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Monday, January 04, 2016 4:46 PM
To: Weber, Thomas (MSP)
Subject: RE: Monday meeting notes

Ok. Let me know if there's any sort of document that will need to be compiled for a Flint declaration (e.g. something that includes descriptions of Flint's community need, vulnerable populations, etc.)

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 4:40 PM
To: Covey, Gabriel (MSP); McCarthy, Joyce (MSP); Kuzera, Michelle (MSP); Hollaender, Henrik (MSP); Hardy, Raquel (MSP); Eickholt, Jay (MSP); Mark, Kevin (MSP); McQueen, Nate (MSP); Martinez, Mark (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
Subject: Monday meeting notes

Nothing major this morning at the Monday meeting. The following points came up:

- Keep in mind your contributions to points within the Strategic Plan and report out on them when possible.
- The Flint County Commission met this morning and declared emergency. A request for the Governor to declare emergency was also made.
- The move is on track. Labels were passed out to everyone today. Boxes were also delivered.
- The Terrorism Tabletop was moved to January 22.
- Cap/we will be heavily involved in the response to assist Flint.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 16:40
To: Covey, Gabriel (MSP); McCarthy, Joyce (MSP) (MccarthyJ6@michigan.gov); Kuzera, Michelle (MSP); Hollaender, Henrik (MSP); Hardy, Raquel (MSP); Eickholt, Jay (MSP) (EickholtJ1@michigan.gov); Mark, Kevin (MSP); McQueen, Nate (MSP); Martinez, Mark (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
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Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, December 30, 2015 11:56
To: Roach, Billie Jo (MSP)
Subject: FW: Flint IAP

BJ, I should have copied you on this. Here's a review Zach and I did on the IAP. Also, I forgot to mention, perhaps you could pass it along to your contact at the City or Chris DeVriendt: on the second to last page under the Mott Foundation heading, the last sentence is incomplete.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Weber, Thomas (MSP)
Sent: Wednesday, December 30, 2015 11:54 AM
To: Kelenske, Chris (MSP)
Cc: Leix, Ron (MSP); Covey, Gabriel (MSP); Katarsky, Anthony (MSP)
Subject: RE: Flint IAP

Captain,

The State Planning Unit has reviewed the IAP, and offer the following comments:

- The Incident Management Team is referred to in the document. It would be helpful to have the roster included in the document. It would also be helpful to have the roster listed in terms of a traditional ICS format, but the "function" references are workable.
- Not included in the IMT are anyone from Planning, Community & Economic Development, or Information Services. They do or could have beneficial roles in the response (documentation, CDBG, information technology logistics, and resource procurement).
- An Emergency Management Team is referenced but is not defined. It may actually be a reference to the IMT.
- The JIC and PIO "team" are referenced, but their composition and organization is unclear.
- EPA assistance with public information is mentioned. Should the state/DEQ be aware of this and communicating this to us?
- Who is "determining the total cost of damage done to the public health and infrastructure?"
- State needs to clarify with the city what any state role in replacing the whole water system may or may not include. Various funds and forgivable loans have been referenced, but the state should have (perhaps the Executive Office does have) an overall Project Manager who can coordinate all state and federal activities that are occurring.
- State should provide assistance/guidance if possible to help develop the capital improvement project for the water system
- An organization chart with contact information should be prepared by either the City or the County EM. The County EM could be serving as a coordinating/liaison role between city/county/state agencies.

- A county IAP with the City IAP as an appendix may be beneficial.
- Most of what is being requested echoes previous resources. Financial assistance is first and foremost what is being requested. Most resources (health monitoring programs) still do not have any cost projection attached. Infrastructure costs are the exception which, as noted, would need outside review for confirmation (or source of the existing estimates).

I would stress that with MSP/EMHSD, MDEQ, MCSC, MDHHS, and potentially MSHDA all providing input, the state needs a project manager for this. Which could take the form of an SEOC activation in the monitoring mode, or something less formal. But coordination is needed.

V/R,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kelenske, Chris (MSP)
Sent: Wednesday, December 30, 2015 11:37 AM
To: Weber, Thomas (MSP)
Cc: Leix, Ron (MSP); Covey, Gabriel (MSP); Katarsky, Anthony (MSP)
Subject: Re: Flint IAP

Please review and provide me your analysis of this.

On Dec 30, 2015, at 10:10 AM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> Sirs, FYI, or perhaps you've received this already, but this was just posted in MI CIMS.
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> *Michigan State Police*
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> <IAP Flint Water 2015-12-29.pdf>

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, December 30, 2015 11:54
To: Kelenske, Chris (MSP)
Cc: Leix, Ron (MSP); Covey, Gabriel (MSP); Katarsky, Anthony (MSP)
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V/R,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Kelenske, Chris (MSP)
Sent: Wednesday, December 30, 2015 11:37 AM
To: Weber, Thomas (MSP)
Cc: Leix, Ron (MSP); Covey, Gabriel (MSP); Katarsky, Anthony (MSP)
Subject: Re: Flint IAP

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> Sirs, FYI, or perhaps you've received this already, but this was just posted in MI CIMS.
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> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile:
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"
>
> <IAP Flint Water 2015-12-29.pdf>

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, December 30, 2015 11:27
To: Leix, Ron (MSP)
Subject: RE: City of Flint Emergency / Invitation

Great, thank you

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Leix, Ron (MSP)
Sent: Wednesday, December 30, 2015 11:24 AM
To: Weber, Thomas (MSP)
Subject: RE: City of Flint Emergency / Invitation

Here you go...as well as Genesee County's plan.

From: Weber, Thomas (MSP)
Sent: Wednesday, December 30, 2015 11:00 AM
To: Leix, Ron (MSP)
Subject: RE: City of Flint Emergency / Invitation

Do you have a copy of Flint's Support Emergency Operations Plan?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Leix, Ron (MSP)
Sent: Wednesday, December 30, 2015 10:48 AM
To: Weber, Thomas (MSP)
Subject: FW: City of Flint Emergency / Invitation
Importance: High

FYI

From: Roach, Billie Jo (MSP)
Sent: Wednesday, December 30, 2015 10:25 AM
To: Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Cc: Mark, Kevin (MSP); Leix, Ron (MSP)
Subject: FW: City of Flint Emergency / Invitation
Importance: High

Good morning, I received a call from Chris Devriendt advising he was sending this email to me. Chris basically advised the City of Flint is handing over their IAP to the County on Monday and the County is going to ask for a Governor's declaration. I asked what resources have been used and exhausted by the City and the County as well as what resources are being asked for. Chris is caught in the middle here. The City's IAP is basically asking for millions of dollars to fix their infrastructure and asking for the 2 million they spent to make the switch back to Detroit water be forgiven. I also asked if they had GIS mapping to show which service lines are lead in the city. Chris advised the city is working with Wayne State University on those and to his knowledge no maps are available yet. He further advised maps contained in Dr. Mona's article are "locked" by the Institutional Review Board until her article is published. The city is going to request the Board to release the maps to them but that is not a given.

Once again, they are basically asking for money to fix their infrastructure problem. And, Sean Kammer is asking Chris if there is a link to MICIMS that he can share with the public. One word- clueless. Sorry , I know you will delete it if you need to send any of this info on. I will plan on being at the meeting Monday unless I hear otherwise. Please let me know your thoughts. BJ

From: DeVriendt, Chris [mailto:CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, December 30, 2015 10:11 AM
To: Roach, Billie Jo (MSP)
Subject: City of Flint Emergency / Invitation
Importance: High

Dear LT Roach,

This missive is to invite yourself and any other MSP EMHS personnel to the commissioners' meeting on 1/4/2016. The meeting will be held at the County Admin Building, 1101 Beach Street, Flint, MI 48502 on the 3rd floor in the Harris Auditorium at 9:00am. This is the building just south of the Sheriff's Office and the room is to your immediate left as you exit the elevator.

It is anticipated that at this meeting, the County will declare a state of emergency and quite possibly elevate it to the State level at the same time. I am attaching the City of Flint IAP, County Declaration, and Governor's request for your review and comment. I understand that this is short notice and lacking on proper protocol but I value your input and guidance.

To illustrate the dire need this situation calls for in regards to professional intervention, the City PIO just left me a message asking if there is a link to the IAP on MI CIMS that he can share with the public...

If you or your colleagues have any questions, comments, or observations feel free to share my personal cell phone number with them

Very Respectfully,

Chris DeVriendt, LVT, MPH
Interim Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division

1002 South Saginaw Street
Flint, MI 48502
(810) 424-4403 (direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, December 30, 2015 11:18
To: Baker, Zachary (MSP)
Subject: Flint SEOP

I put a copy in the S/Disaster/Flint Water folder

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: .

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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From: Weber, Thomas (MSP)
Sent: Wednesday, December 30, 2015 11:00
To: Leix, Ron (MSP)
Subject: RE: City of Flint Emergency / Invitation

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, December 30, 2015 10:59
To: Leix, Ron (MSP)
Subject: RE: City of Flint Emergency / Invitation

Thank you.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Leix, Ron (MSP)
Sent: Wednesday, December 30, 2015 10:48 AM
To: Weber, Thomas (MSP)
Subject: FW: City of Flint Emergency / Invitation
Importance: High

FYI

From: Roach, Billie Jo (MSP)
Sent: Wednesday, December 30, 2015 10:25 AM
To: Kelenske, Chris (MSP); Katarsky, Anthony (MSP)
Cc: Mark, Kevin (MSP); Leix, Ron (MSP)
Subject: FW: City of Flint Emergency / Invitation
Importance: High

Good morning, I received a call from Chris Devriendt advising he was sending this email to me. Chris basically advised the City of Flint is handing over their IAP to the County on Monday and the County is going to ask for a Governor's declaration. I asked what resources have been used and exhausted by the City and the County as well as what resources are being asked for. Chris is caught in the middle here. The City's IAP is basically asking for millions of dollars to fix their infrastructure and asking for the 2 million they spent to make the switch back to Detroit water be forgiven. I also asked if they had GIS mapping to show which service lines are lead in the city. Chris advised the city is working with Wayne State University on those and to his knowledge no maps are available yet. He further advised maps contained in Dr. Mona's article are "locked" by the Institutional Review Board until her article is published. The city is going to request the Board to release the maps to them but that is not a given.

Once again, they are basically asking for money to fix their infrastructure problem. And, Sean Kammer is asking Chris if there is a link to MICIMS that he can share with the public. One word- clueless. Sorry , I know you will delete it if you need to send any of this info on. I will plan on being at the meeting Monday unless I hear otherwise. Please let me know your thoughts. BJ

From: DeVriendt, Chris [mailto:CDeVriendt@co.genesee.mi.us]
Sent: Wednesday, December 30, 2015 10:11 AM
To: Roach, Billie Jo (MSP)
Subject: City of Flint Emergency / Invitation
Importance: High

Dear LT Roach,

This missive is to invite yourself and any other MSP EMHS personnel to the commissioners' meeting on 1/4/2016. The meeting will be held at the County Admin Building, 1101 Beach Street, Flint, MI 48502 on the 3rd floor in the Harris Auditorium at 9:00am. This is the building just south of the Sheriff's Office and the room is to your immediate left as you exit the elevator.

It is anticipated that at this meeting, the County will declare a state of emergency and quite possibly elevate it to the State level at the same time. I am attaching the City of Flint IAP, County Declaration, and Governor's request for your review and comment. I understand that this is short notice and lacking on proper protocol but I value your input and guidance.

To illustrate the dire need this situation calls for in regards to professional intervention, the City PIO just left me a message asking if there is a link to the IAP on MI CIMS that he can share with the public...

If you or your colleagues have any questions, comments, or observations feel free to share my personal cell phone number with them (

Very Respectfully,

Chris DeVriendt, LVT, MPH
Interim Emergency Management Manager
Office of Genesee County Sheriff
Emergency Management Homeland Security Division
1002 South Saginaw Street
Flint, MI 48502
(810) 424-4403 (direct)
(810) 237-6169 (fax)
cdevriendt@co.genesee.mi.us

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Wednesday, December 23, 2015 10:32
To: Gilsdorf, Michelle (MSP); Pepper, Joel (MSP)
Subject: FW: Modification to DCDS PPE 01-02-16

Approved, thanks Joel.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: .

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Pepper, Joel (MSP)
Sent: Tuesday, December 22, 2015 3:54 PM
To: Weber, Thomas (MSP)
Cc: Gilsdorf, Michelle (MSP)
Subject: Modification to DCDS PPE 01-02-16

Tom,
I need to modify my time & attendance in DCDS for the PPE 01-02-16, but you have already approved it so I can't modify my time in DCDS. I spoke with Michelle and she made the changes pending your approval. The changes are:

1. Monday (12-21-15) I reported (7:30 am – 4:30 pm) for 8.0 hours regular time. Due to the Flint City meeting my actual time was (7:30 am – 5:00 pm with no lunch break) for a total of 9.5 hours regular time.
2. Tuesday (12-22-15) I reported (8:00 am – 5:00 pm) for 8.0 hours regular time. My actual time was (8:00 am – 5:00 pm with 0.5 hour lunch) for 8.5 hours regular time.
3. Wednesday (12-23-15) I reported 8.0 hours annual leave. Due to the changes on Monday and Tuesday, the actual annual leave is reduced to 6.0 hours.

Since I am on annual leave for the rest of the pay period, there will be no further changes.

Please advise Michelle of your approval via email. Let me know if you have any questions.

Thanks,
Joel

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, December 22, 2015 08:00
To: Baker, Zachary (MSP)
Subject: RE: Monday morning meeting bullets

I think that's what he meant.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Baker, Zachary (MSP)
Sent: Tuesday, December 22, 2015 7:59 AM
To: Weber, Thomas (MSP)
Subject: RE: Monday morning meeting bullets

Isn't the 19th the day we start at the new building? Or did that change again?

From: Weber, Thomas (MSP)
Sent: Tuesday, December 22, 2015 7:51 AM
To: Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
Subject: FW: Monday morning meeting bullets

Monday update...

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Covey, Gabriel (MSP)
Sent: Monday, December 21, 2015 1:31 PM
To: Mark, Kevin (MSP); McQueen, Nate (MSP); Martinez, Mark (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Kuzera, Michelle (MSP); Weber, Thomas (MSP)
Cc: McCarthy, Joyce (MSP)
Subject: Monday morning meeting bullets

Good afternoon all,

From this morning's meeting:

- EMPG supplemental guidance has went out.
- 14s and above need to take a PIO training (MSP or G290) so if you haven't please let me know.
- Flint's water issue continues to get media attention, staff from EMHSD are going over to Flint today to meet with the mayor on this issue.
- The National Terrorism Advisory system has changed. They will include a "bulletin" in an effort to increase awareness and stress vigilance.
-

- January 19th is still the date that we move, additional emails will be following so please plan accordingly

Thanks,
Gabe

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, December 22, 2015 07:51
To: Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
Subject: FW: Monday morning meeting bullets

Monday update...

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

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Sent: Monday, December 21, 2015 1:31 PM
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Cc: McCarthy, Joyce (MSP)
Subject: Monday morning meeting bullets

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-

- January 19th is still the date that we move, additional emails will be following so please plan accordingly

Thanks,
Gabe

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, December 22, 2015 07:47
To: Lixey-Terrill, Jennifer (DHHS)
Cc: Scott, Jackie (DHHS); Thelen, Richard (DHHS); Miller, Corinne (DHHS); Wahl, Kathy (DHHS); Scott, Linda (DHHS); Dykema, Linda D. (DHHS)
Subject: RE: Flint water

Thank you Jennifer. As long as I'm not bumping anyone else at MSP that might already be on the distribution list, yes, if I could be added to the list, that would be very much appreciated!

Thanks again Jennifer,

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Lixey-Terrill, Jennifer (DHHS)
Sent: Monday, December 21, 2015 3:00 PM
To: Weber, Thomas (MSP)
Cc: Scott, Jackie (DHHS); Thelen, Richard (DHHS); Miller, Corinne (DHHS); Wahl, Kathy (DHHS); Scott, Linda (DHHS); Dykema, Linda D. (DHHS)
Subject: FW: Flint water

Good Afternoon Mr. Weber,

Please see the below response from Corinne Miller and the attached most recent Situation Report. Would you like to be added to the information distribution list as the POC for MSP going forward?

Thank you,

Jennifer Lixey Terrill, B.S., M.H.
Healthcare and Public Health Policy Specialist and Emergency Management Coordinator
Bureau of EMS, Trauma, and Preparedness
Michigan Department of Health and Human Services
201 Townsend St., Lansing, MI 48913
Email: LixeyTerrillJ@michigan.gov
(O) 517-335-0172
(M)
(F) 517-335-9434

From: Miller, Corinne (DHHS)
Sent: Monday, December 21, 2015 9:27 AM
To: Lixey-Terrill, Jennifer (DHHS)
Cc: Thelen, Richard (DHHS); Scott, Linda (DHHS); Wahl, Kathy (DHHS); Dykema, Linda D. (DHHS); Moran, Susan (DHHS); Scott, Jackie (DHHS)
Subject: RE: Flint water

Leadership has cleared distribution of the department's situation report.

There are also blood lead testing data for Flint that can be accessed via the Michigan.gov web page where there is a link for Flint water. The documents contain information on how many children have been tested and how many had elevated BLLs (5+). The website also contains some documents on MDEQ activities in schools.

Would Thomas Weber be the MSP point of contact for our distribution list? If so, we can add him and then he will receive the report that will be distributed today.

Corinne

From: Scott, Jackie (DHHS)
Sent: Monday, December 21, 2015 8:41 AM
To: Lixey-Terrill, Jennifer (DHHS) <LixeyTerrillJ@michigan.gov>
Cc: Thelen, Richard (DHHS) <ThelenR4@michigan.gov>; Scott, Linda (DHHS) <ScottL12@michigan.gov>; Wahl, Kathy (DHHS) <WahlK@michigan.gov>; Miller, Corinne (DHHS) <MillerC39@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>
Subject: RE: Flint water

Jen,

Linda Dykema and Corinne Miller are the leads for this incident. I have copied them so they can provide assistance to MSP. I don't know if the DHHS situation reports are cleared for release outside of the department yet. If so, we can send those to MSP weekly.

Jacqueline S. Scott, D.V.M., Ph.D.
Director, Bureau of EMS, Trauma and Preparedness
Michigan Department of Health and Human Services
Telephone 517-335-8150
Cell
Fax 517-335-9434

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From: Lixey-Terrill, Jennifer (DHHS)
Sent: Monday, December 21, 2015 8:29 AM
To: Scott, Jackie (DHHS)
Cc: Thelen, Richard (DHHS); Scott, Linda (DHHS); Wahl, Kathy (DHHS)
Subject: FW: Flint water

Dr. Scott,

Please see the below email from Mr. Weber.

Thank you,

Jennifer Lixey Terrill, B.S., M.A.
Healthcare and Public Health Policy Specialist and Emergency Management Coordinator
Bureau of EMS, Trauma, and Preparedness
Michigan Department of Health and Human Services
201 Townsend St., Lansing, MI 48913
Email: LixeyTerrillJ@michigan.gov
(O) 517-335-0172
(M)
(F) 517-335-9434

From: Weber, Thomas (MSP)
Sent: Monday, December 21, 2015 8:03 AM
To: Lixey-Terrill, Jennifer (DHHS)
Subject: Flint water

Hi Jennifer,

We're going to be meeting with Flint's mayor later today. I'm curious what actual statistics the county health department may have on EBLs in Flint children between the time before Flint was on its own water vs. now. And also, how many kids are actually being treated or receiving extra treatment like chelation therapy?

Are those numbers you'd be able to get a hold of fairly easily?

Also, do we know what MDHHS and/or MDEQ are doing action wise? I know the mayor wants a Stafford Act declaration, but they make it seem as though that's the only avenue for real assistance which, in the case of an infrastructure failure, is the least likely avenue.

Thanks for anything you might be able to shed light on!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: !

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, December 21, 2015 08:22
To: Pepper, Joel (MSP)
Subject: FW: Mayor pins Flint's hopes on water disaster declaration | MLive.com

Any pointers or last good wishes based on the below?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Katarsky, Anthony (MSP)
Sent: Sunday, December 20, 2015 3:57 PM
To: Kuzera, Michelle (MSP); Weber, Thomas (MSP)
Cc: Covey, Gabriel (MSP)
Subject: Fwd: Mayor pins Flint's hopes on water disaster declaration | MLive.com

To help set the tone...

Begin forwarded message:

> **From:** "Leix, Ron (MSP)" <LeixR@michigan.gov>
> **Date:** December 20, 2015 at 8:09:58 AM EST
> **To:** "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>, "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov>
> **Subject: Mayor pins Flint's hopes on water disaster declaration | MLive.com**
>
> FYI -- I spoke to this reporter earlier last week and gave him a fact sheet. Otherwise, I would have passed it along.
>
> Mayor pins Flint's hopes on water disaster declaration | MLive.com
>
> FLINT, MI -- The federal government may have never recognized a man-made water crisis like Flint's as a disaster before, but asking for the assistance has been Mayor Karen Weaver's plan since before she was elected Nov. 3.
>
> "Our city is in a crisis -- a water crisis," Weaver said. "So far, what we've had are Band-Aid fixes, (and) it's not enough ... I don't see any other option."

On Monday, Dec. 21, the mayor plans to meet with Genesee County Board of Commissioners Chairman Jamie Curtis and others involved in emergency planning to discuss the city's incident response plan, a step-by-step outline aimed at addressing the water crisis.

"Things are falling together nicely," she said Friday, Dec. 18. "(The plan) is going to say, 'We need this, this and this,' and attach numbers where we can."

The Michigan Emergency Management Act outlines the process for seeking federal disaster assistance, which starts with the local declaration of a state of emergency. In that statement, a local jurisdiction says it has sustained widespread or severe damage, injury or loss of life.

Communities that have typically been granted disaster aid have suffered from natural disasters such as severe storms, flooding and fires, but Weaver believes that Flint's disaster with lead in its water is just as devastating.

There are cases in which less-common disasters have been recognized with federal aid, including one for severe hardship to the salmon industry in Alaska in 1953, a chlorine barge accident in Louisiana in 1962 and dam failure in Colorado in 1973, according to FEMA records.

"The president can declare an emergency or major disaster for any natural or manmade event that the president determines has caused damage of such severity that it is beyond the combined capabilities of state and local governments to respond," FEMA spokesman Mark J. Peterson said in an email to The Flint Journal-MLive

"We're being positive and optimistic" with Flint's application, Weaver said.

The city's state of emergency says, "Flint children have experienced increased blood lead levels since the switch to the Flint River, and this damage to children is irreversible and can cause effects to a child's IQ ... (resulting) in learning disabilities and the need for special education and mental health services and an increase in the juvenile justice system."

Weaver has so far not assigned a dollar figure to damage done to children who drank Flint River water since April 2014, and she said this week that Flint's old water distribution system was also damaged by corrosive river water. "So that's where we are (also) going to need some help."

Although Flint City Council members have been generally supportive of Weaver seeking the disaster declaration, and the Michigan Legislative Black Caucus is supporting the request, Flint City Councilman Josh Freeman said he doesn't believe it will be granted.

"It's giving false hope to people that the problem is going to fixed" with a disaster declaration, Freeman said. "At some point we have to stop playing politics and start governing."

The councilman said state and federal officials are unlikely to send disaster relief to Flint because other parts of the county and the state have childhood blood lead levels -- from all sources -- that are similar to children in Flint.

"Maybe I'm wrong. Hopefully I'm wrong," he said.

FEMA's Web site shows 77 disaster declarations nationwide so far in 2015 and eight current disasters.

The current declarations cover damage caused by fire in California; severe storms and flooding in Wyoming; straight-line winds, flooding and severe storms on the Pine Ridge Indian Reservation in South Dakota; severe storms, tornadoes, straight-line winds and flooding in Texas; severe storms, tornadoes, straight-line winds and flooding in Oklahoma; severe storms, tornadoes, straight-line winds and flooding in Arkansas; and severe storms and flooding in South Carolina.

To reach the desk of President Obama, Weaver's disaster declaration must be approved by county Chairman Curtis and both officials must determine that the disaster is beyond the capabilities of the city or county to handle. Curtis has said he is "fully on board" to do whatever he can to help the city of Flint.

In Michigan, all requests for assistance are channeled through the Michigan State Police, Emergency Management and Homeland Security Division. The MSP reviews requests and makes recommendations to the governor, according to Ron Leix, a spokesman for the division.

The governor has the authority to mobilize state agencies to provide assistance, and if the state cannot cope with the disaster, Gov. Rick Snyder could request assistance through FEMA.

The federal agency makes disaster recommendations to the president.

State Rep. Sheldon Neeley, D-Flint, urged Snyder to get Flint's application for help to the president as quickly as possible.

"Issuing a health emergency is the most responsible thing to do," Neeley said in a news release. "This is a public health crisis, and our children are most at-risk. A state-declared health emergency will allow the city to access federal funding."

http://www.mlive.com/news/flint/index.ssf/2015/12/flint_mayor_karen_weaver_pin_h.html#incart_river_mobile_home

Sent from my iPhone

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, December 21, 2015 08:12
To: Leix, Ron (MSP); Katarsky, Anthony (MSP)
Subject: Flint Task Force

Tony/Ron, Do we have a copy, or access to it, of the Governor's Flint Water Task Force report? I'm finding stories about it, but not links. I'd like to review it before we meet with Flint.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Monday, December 21, 2015 08:03
To: Lixey Jennifer
Subject: Flint water

Hi Jennifer,

We're going to be meeting with Flint's mayor later today. I'm curious what actual statistics the county health department may have on EBLs in Flint children between the time before Flint was on its own water vs. now. And also, how many kids are actually being treated or receiving extra treatment like chelation therapy?

Are those numbers you'd be able to get a hold of fairly easily?

Also, do we know what MDHHS and/or MDEQ are doing action wise? I know the mayor wants a Stafford Act declaration, but they make it seem as though that's the only avenue for real assistance which, in the case of an infrastructure failure, is the least likely avenue.

Thanks for anything you might be able to shed light on!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 16:41
To: Leix, Ron (MSP); Katarsky, Anthony (MSP)
Subject: *RE: State of emergency*

On the first, I would say, either a declaration of Disaster or Emergency provide the Governor the ability to respond with all state capabilities and would be up to his discretion as to which one is appropriate to the situation.

On the second, the MSP EMHSD would forward any request for a declaration to the Governor's office with a recommendation. At this time, we have not received a request from Genessee County for either a declaration or additional state resources.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Leix, Ron (MSP)
Sent: Friday, December 18, 2015 4:37 PM
To: Weber, Thomas (MSP); Katarsky, Anthony (MSP)
Subject: RE: State of emergency

Take 2:

- It would be up to the Governor to determine which, if any, declaration is appropriate.
- At this time, the Michigan State Police, Emergency Management and Homeland Security Division has not received any formal requests for state assistance through the Michigan Emergency Management Act.

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 4:33 PM
To: Leix, Ron (MSP); Katarsky, Anthony (MSP)
Subject: RE: State of emergency

Fair and balanced.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Leix, Ron (MSP)
Sent: Friday, December 18, 2015 4:28 PM
To: Katarsky, Anthony (MSP); Weber, Thomas (MSP)
Subject: FW: State of emergency
Importance: High

How does this sound?

- Either "state of disaster" or "state of emergency" declaration could be appropriate. Both types of Governor's declarations provide the same assistance from the state of Michigan. Most individuals don't know there are two broadly defined types of declarations in the Michigan Emergency Management Act. It would be up to the Governor to determine which one is appropriate.
- At this time, the Michigan State Police, Emergency Management and Homeland Security Division has not received any formal requests for state assistance through the Michigan Emergency Management Act.

From: Alethia Kasben [mailto:kasbena@gongwer.com]
Sent: Friday, December 18, 2015 3:45 PM
To: Leix, Ron (MSP)
Subject: State of emergency

Hi Ron,

So today the legislative black caucus called on the administration to declare a state of emergency in Flint. Wondering if that could happen given the main problem in Flint has already occurred. Considering the water situation in Flint, would a request for a disaster declaration (is this the right term?) be more appropriate?

Also has MSP received anything formal in requesting a state of emergency or something like it?

Thanks,

Alethia Kasben
Gongwer News Service
517-482-3500

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www.avast.com

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 16:33
To: Leix, Ron (MSP); Katarsky, Anthony (MSP)
Subject: RE: State of emergency

Fair and balanced.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Leix, Ron (MSP)
Sent: Friday, December 18, 2015 4:28 PM
To: Katarsky, Anthony (MSP); Weber, Thomas (MSP)
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Importance: High

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From: Alethia Kasben [mailto:kasbena@gongwer.com]
Sent: Friday, December 18, 2015 3:45 PM
To: Leix, Ron (MSP)
Subject: State of emergency

Hi Ron,

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Thanks,

Alethia Kasben

Gongwer News Service
517-482-3500

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 15:50
To: Sobocinski, Mike (MSP)
Subject: RE: Genesee status

Usually leave at 4, but supposed to meet with Tony before I go. He isn't back yet. If I'm not here though, I'll be in over the weekend. You could leave it on my keyboard.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Friday, December 18, 2015 3:49 PM
To: Weber, Thomas (MSP)
Subject: RE: Genesee status

Ok. Are you leaving at 5?

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 3:48 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Genesee status

That would be great

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Friday, December 18, 2015 3:35 PM
To: Weber, Thomas (MSP)
Subject: RE: Genesee status

Would you like a photocopy of the most relevant pages/passages?

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 3:29 PM
To: Sobocinski, Mike (MSP)
Subject: RE: Genesee status

If you could take a quick look, that would be great. Given the way the issue has developed, I'd be surprised, but it would be good to know.

Thanks.

I don't know how long that would take, but we are meeting with the City of Flint at an as yet undetermined time Monday, so...if it doesn't take too long, end of day today would be great!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Friday, December 18, 2015 3:28 PM
To: Weber, Thomas (MSP)
Subject: RE: Genesee status

Hello –

Yes, officially, Genesee County is currently covered by a FEMA-approved hazard mitigation plan, and Flint was one of the adopting participants, thus also counted as having FEMA approval.
Mitch had done the review, but would you like me to look through the document to see whether it gave any coverage to the current issues of infrastructure and public health?

Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 3:24 PM
To: Sobocinski, Mike (MSP)
Subject: Genessee status

Mike,

Do you have a copy of Genessee County's Mitigation Plan? Is it up to date, and does it adequately cover Flint?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 15:48
To: Sobocinski, Mike (MSP)
Subject: RE: Genesee status

That would be great

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: !

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JOIN THE MSP

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 15:14
To: Baker, Zachary (MSP)
Subject: RE: Stafford Act

Come on over

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Baker, Zachary (MSP)
Sent: Friday, December 18, 2015 3:13 PM
To: Weber, Thomas (MSP)
Subject: Stafford Act

I believe I have answers for you on the Stafford and PA 390 side of flint water. I saw your door is closed so let me know when your available to discuss.

Zach Baker, PEM
State Planner
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Phone: 517-333-5045

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 14:17
To: 'Matthews, Lawrence'
Cc: Baker, Zachary (MSP)
Subject: RE: reschedule?

Great, see you then!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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-----Original Message-----
From: Matthews, Lawrence [mailto:matthewsl@bluffton.edu]
Sent: Friday, December 18, 2015 2:01 PM
To: Weber, Thomas (MSP)
Cc: Baker, Zachary (MSP)
Subject: Re: reschedule?

That works. I'll see you then.

Sent from my Verizon Wireless 4G LTE Droid On Dec 18, 2015 1:34 PM, "Weber, Thomas (MSP)" <WeberT1@michigan.gov> wrote:

Hi Lawrence,

I got called to a meeting in Flint on Monday. I'm wondering if we'd be able to meet on Tuesday at 3 instead of Monday?

Tom Weber, PEM

State Planning Unit Manager

Emergency Management and Homeland Security Division

Michigan State Police

4000 Collins Road

Lansing, MI 48910

Mobile

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 13:35
To: matthewsl@bluffton.edu
Cc: Baker, Zachary (MSP)
Subject: reschedule?

Hi Lawrence,

I got called to a meeting in Flint on Monday. I'm wondering if we'd be able to meet on Tuesday at 3 instead of Monday?

Tom Weber, PEM
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 12:03
To: Leix, Ron (MSP)
Subject: RE: Flint

On page 3 under the FEMA declaration part, did you mean "non" weather related?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

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From: Leix, Ron (MSP)
Sent: Friday, December 18, 2015 11:39 AM
To: Weber, Thomas (MSP)
Subject: RE: Flint

Tweaked a couple of things.

--Ron

From: Leix, Ron (MSP)
Sent: Friday, December 18, 2015 11:35 AM
To: Weber, Thomas (MSP)
Subject: RE: Flint

Here's what I have so far. I haven't given this a good once-over proof and fact check.

--Ron

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 11:15 AM
To: Leix, Ron (MSP)
Subject: Flint

Hey Ron,

Apparently, I'll be going to a meeting with Flint's mayor on Monday. Tony said you have been working on some talking points regarding the Stafford Act for the Flint situation and asked if I could coordinate with you. What do you have so far?

Tom Weber, PEM
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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 11:44
To: 'Gutierrez, David M.'; Bays, Justin R.
Cc: Baker, Zachary (MSP)
Subject: Monday

Gentlemen, I've been called to a meeting with the City of Flint on Monday. Are you comfortable meeting with Zach, or do you prefer to reschedule to a time when I can attend? At the moment it APPEARS that either Tuesday or Wednesday would be workable alternatives for me.

Tom Weber, PEM
State Planning Unit Manager
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Mobile:

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 11:44
To: Leix, Ron (MSP)
Subject: RE: Flint

Thanks. I'll look through it.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Leix, Ron (MSP)
Sent: Friday, December 18, 2015 11:35 AM
To: Weber, Thomas (MSP)
Subject: RE: Flint

Here's what I have so far. I haven't given this a good once-over proof and fact check.

--Ron

From: Weber, Thomas (MSP)
Sent: Friday, December 18, 2015 11:15 AM
To: Leix, Ron (MSP)
Subject: *Flint*

Hey Ron,

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Weber, Thomas (MSP)

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Sent: Friday, December 18, 2015 11:15
To: Leix, Ron (MSP)
Subject: Flint

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Weber, Thomas (MSP)

From: *Weber, Thomas (MSP)*
Sent: Tuesday, November 17, 2015 13:05
To: Covey, Gabriel (MSP); Kuzera, Michelle (MSP)
Subject: RE: Fridays strategic planning meeting

My thoughts prior to discussing:

1. Yes, we need more, reassigning Mitch will only go so far; Giving Mike tighter deadlines is necessary, but I'm not sure what the response will be or how much more we'd get. How much technical support we give to locals should be up for discussion and how its provided or how deep it goes.
2. I had worked just a little bit with Lt. Johnson on this; I think it's a good adjunct to planning/working with the voluntary agencies. We have a lot of work to do with both to increase ours and their capacity.
3. I see revamping this as part of reworking the DA procedures; the current plan is only a rough starting point. As you say, the inclusion of actual SMEs vs. SEMCs is important.
4. No comment on this yet.
5. I'd like to see us work more with the universities with planning and em programs to get more students on internships.
6. On item 1 and the debacle; we are being expected to support the locals more; and from a larger em perspective, we need to integrate more and work with the locals more. This involves not only more people, but more engagement in state and local activities/conferences. We need to be leaders in the field, and we can promote a paradigm in MI that I think would be a leading mindset nationally.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Covey, Gabriel (MSP)
Sent: Tuesday, November 17, 2015 11:51 AM
To: Kuzera, Michelle (MSP); Weber, Thomas (MSP)
Subject: Fridays strategic planning meeting

Michelle and Tom,

I just spoke with Mr. Katarsky and he advised that we would be going through our strategic plan and look for any updates, changes etc. (I know you already know that).

He also advised that the 20 minute session that I have on "Emergent issues" needs to cover items that we feel are a concern or what we should be putting into the plan that isn't. Mr. Katarsky is going to talk about the need for more staffing, funding, etc., but we need to focus our 20 minutes on what we need, not just issues, but solutions as well. I have a few topics that will need some horse power added to it:

1. More planners (local level- Michelle) to assist. Maybe highlight what New Jersey has and what we should have, also the debacle in Grand Traverse and Leelanau with them not having the staffing and we had to hold their hand(s).
2. Business EOC (Tom?/Michelle?). I have a little bit to speak on reference this, but am certainly not an SME. My only experience was with the Flint water crisis and me "cold calling" companies to see if they could help.
3. Michigan's Rapid Impact Assessment team (Weber)- Currently the staff that would do this is the same staff that is in the SEOC during an event?- which won't work.
4. State Resource Database (Michelle).

Anything else? Keeping in mind that we only have 20 minutes and this presentation involves discussion on the topics above. Should these four stay in the list of topics?

I will be talking to both of you this afternoon.

Thanks,
Gabe

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, October 06, 2015 14:42
To: Roach, Billie Jo (MSP)
Subject: RE: Water for Flint

You're very welcome!

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Roach, Billie Jo (MSP)
Sent: Tuesday, October 06, 2015 2:38 PM
To: Weber, Thomas (MSP); Leix, Ron (MSP)
Cc: Covey, Gabriel (MSP)
Subject: RE: Water for Flint

Thank you Tom

From: Weber, Thomas (MSP)
Sent: Tuesday, October 06, 2015 2:35 PM
To: Roach, Billie Jo (MSP); Leix, Ron (MSP)
Cc: Covey, Gabriel (MSP)
Subject: RE: Water for Flint

I think that would be fine. Alafia's contact number is in her original message below. The director's name is Annette Wright.

Tom Weber, PEM
State Planning Unit Manager
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Michigan State Police
4000 Collins Road
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To: Leix, Ron (MSP)
Cc: Covey, Gabriel (MSP); Roach, Billie Jo (MSP)
Subject: FW: Water for Flint

A heads up that one of our MIVOAD members, Alafia Foundation for Hope, is donating water to Flint, per their message below.

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Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Mary Lloyd [mailto:msmarylloyd@hotmail.com]
Sent: Tuesday, October 06, 2015 2:31 PM
To: James Warfield@usc.salvationarmy.org; beggs@teamrubiconusa.org; greg@drawbuckets.org; nbimlds@gmail.com; jtewell42@gmail.com; ywang163@binghamton.edu; dpguikema@hotmail.com; MiVOAD Chuck McDougall, EC The Salvation Army, Michigan; calleen_austin@usc.salvationarmy.org; mjsimmons@teamrubiconusa.org; pastor@dansvilleumc.com; linda.dintenfass2@redcross.org; kmtoben@gmail.com; info@mcrainc.com; brusue221@aol.com; Thelen, Richard (DHHS); david_chen21c@yahoo.com; tzuhua114@gmail.com; thepoprule@hotmail.com; k2buell@aol.com; alafia4hope@gmail.com; Weber, Thomas (MSP); d1rmrc-mary@sbcglobal.net; ronda.oberlin@lansingmi.gov; paul.spata@redcross.org; afrez@livgov.com; mimertamta@yahoo.com; sgamalski@hotmail.com; Hassan.Hammoud@liveunitedsem.org; dbruch@misda.org; spearson@habitatmichigan.org; MiVOAD Rev Keith Nelson, EC, Vice Chair Baptist Missionary,Ed State Convention; MiVOAD Bob Hayes, EC Michigan Southern Baptist DR; MiVOAD Win Williams SBC Disaster Relief; maplerivers@gmail.com; jwhitehurst@gryphon.org; kennysutter@hotmail.com; vinny315@gmail.com; Tom T. Neal First Farmington; Mary Lloyd; jeremy_wicks@yahoo.com; skuipers@worldrenew.net; Gross, Garry (DHHS); Pepper, Joel (MSP); AFeldpausch@habitatmichigan.org; mszost@LapeerCounty.org; bobnj50@yahoo.com; mcaison@namb.net; midschteacher@gmail.com; msoliman@irusa.org; Ruddock, Rachel (DHHS); Regina.moran@fema.dhs.gov; detourlawyer@gmail.com; reuben@hands.org; matthewsl@bluffton.edu; oak1michelle@gmail.com; deacon.beckyw@gmail.com; Veeser, Chad (DHHS); justin.bays3@redcross.org; Info@DrawBuckets.org; Dunkle, Katie (DHHS); Schnepp, Matt (MSP)
Subject: FW: Water for Flint

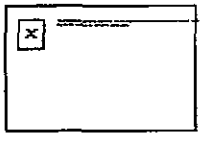
Please read the message below...
Mary Lloyd, Secretary/Treasurer
Cell: 313-247-0792
Fax: 313-586-0088

Date: Tue, 6 Oct 2015 11:16:36 -0400
Subject: Water for Flint
From: alafia4hope@gmail.com
To: crrutland@gmail.com

Alafia Foundation of Hope International will be transporting Bottled Water to the city of Flint. If you would like to donate Bottled Water please contact us at 313-725-0995 or via email alafia4hope@gmail.com.

Thank you!

--



ALAFIA FOUNDATION OF HOPE INTERNATIONAL
613 Abbott Street
Detroit, MI 48226
313-725-0995

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, October 06, 2015 14:35
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Cc: Covey, Gabriel (MSP)
Subject: RE: Water for Flint

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State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
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From: Mary Lloyd [mailto:msmarylloyd@hotmail.com]
Sent: Tuesday, October 06, 2015 2:31 PM

To: James_Warfield@usc.salvationarmy.org; beggs@teamrubiconusa.org; greg@drawbuckets.org; nbimlds@gmail.com; jtewell42@gmail.com; ywang163@binghamton.edu; dpguikema@hotmail.com; MiVOAD Chuck McDougall, EC The Salvation Army, Michigan; calleen_austin@usc.salvationarmy.org; mjsimmons@teamrubiconusa.org; pastor@dansvilleumc.com; linda.dintenfass2@redcross.org; kmtoben@gmail.com; info@mcrainc.com; brusue221@aol.com; Thelen, Richard (DHHS); david_chen21c@yahoo.com; tzuhua114@gmail.com; thepoprule@hotmail.com; k2buell@aol.com; alafia4hope@gmail.com; Weber, Thomas (MSP); d1rmrc-mary@sbcglobal.net; ronda.oberlin@lansingmi.gov; paul.spata@redcross.org; afrez@livgov.com; mimertamta@yahoo.com; sgamalski@hotmail.com; Hassan.Hammoud@liveunitedsem.org; dbruch@misda.org; spearson@habitatmichigan.org; MiVOAD Rev Keith Nelson, EC, Vice Chair Baptist Missionary,Ed State Convention; MiVOAD Bob Hayes, EC Michigan Southern Baptist DR; MiVOAD Win Williams SBC Disaster Relief; maplerivers@gmail.com; jwhitehurst@gryphon.org; kennysutter@hotmail.com; vinny315@gmail.com; Tom T. Neal First Farmington; Mary Lloyd; jeremy_wicks@yahoo.com; skuipers@worldrenew.net; Gross, Garry (DHHS); Pepper, Joel (MSP); AFeldpausch@habitatmichigan.org; mszost@LapeerCounty.org; bobnj50@yahoo.com; mcaison@namb.net; midschteacher@gmail.com; msoliman@irusa.org; Ruddock, Rachel (DHHS); Regina.moran@fema.dhs.gov; detourlawyer@gmail.com; reuben@hands.org; matthewsl@bluffton.edu; oak1michelle@gmail.com; deacon.beckyw@gmail.com; Veeser, Chad (DHHS); justin.bays3@redcross.org; Info@DrawBuckets.org; Dunkle, Katie (DHHS); Schnepp, Matt (MSP)
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Cell:
Fax: 313-586-0088

Date: Tue, 6 Oct 2015 11:16:36 -0400
Subject: Water for Flint
From: alafia4hope@gmail.com
To: crrutland@gmail.com

Alafia Foundation of Hope International will be transporting Bottled Water to the city of Flint. If you would like to donate Bottled Water please contact us at 313-725-0995 or via email alafia4hope@gmail.com.

Thank you!

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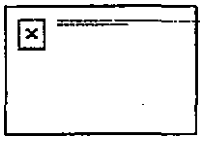

ALAFIA FOUNDATION OF HOPE INTERNATIONAL
613 Abbott Street
Detroit, MI 48226
313-725-0995

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, October 06, 2015 14:33
To: 'Mary Lloyd'
Subject: RE: Water for Flint

Thanks Mary

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Mary Lloyd [mailto:msmarylloyd@hotmail.com]
Sent: Tuesday, October 06, 2015 2:31 PM
To: James_Warfield@usc.salvationarmy.org; beggs@teamrubiconusa.org; greg@drawbuckets.org; nbimlds@gmail.com; jtewell42@gmail.com; ywang163@binghamton.edu; dpguikema@hotmail.com; MiVOAD Chuck McDougall, EC The Salvation Army, Michigan; calleen_austin@usc.salvationarmy.org; mjsimmons@teamrubiconusa.org; pastor@dansvilleumc.com; linda.dintenfass2@redcross.org; kmtoben@gmail.com; info@mcrainc.com; brusue221@aol.com; Thelen, Richard (DHHS); david_chen21c@yahoo.com; tzuhua114@gmail.com; thepoprule@hotmail.com; k2buell@aol.com; alafia4hope@gmail.com; Weber, Thomas (MSP); d1rmrc-mary@sbcglobal.net; ronda.oberlin@lansingmi.gov; paul.spata@redcross.org; afrez@livgov.com; mimertamta@yahoo.com; sgamalski@hotmail.com; Hassan.Hammoud@liveunitedsem.org; dbruch@misda.org; spearson@habitatmichigan.org; MiVOAD Rev Keith Nelson, EC, Vice Chair Baptist Missionary,Ed State Convention; MiVOAD Bob Hayes, EC Michigan Southern Baptist DR; MiVOAD Win Williams SBC Disaster Relief; maplerivers@gmail.com; jwhitehurst@gryphon.org; kennysutter@hotmail.com; vinny315@gmail.com; Tom T. Neal First Farmington; Mary Lloyd; jeremy_wicks@yahoo.com; skuipers@worldrenew.net; Gross, Garry (DHHS); Pepper, Joel (MSP); AFeldpausch@habitatmichigan.org; mszost@LapeerCounty.org; bobnj50@yahoo.com; mcaison@namb.net; midschteacher@gmail.com; msoliman@irusa.org; Ruddock, Rachel (DHHS); Regina.moran@fema.dhs.gov; detourlawyer@gmail.com; reuben@hands.org; matthewsl@bluffton.edu; oak1michelle@gmail.com; deacon.beckyw@gmail.com; Veeser, Chad (DHHS); justin.bays3@redcross.org; Info@DrawBuckets.org; Dunkle, Katie (DHHS); Schnepp, Matt (MSP)
Subject: FW: Water for Flint

Please read the message below...
Mary Lloyd, Secretary/Treasurer
Cell:
Fax: 313-586-0088

Date: Tue, 6 Oct 2015 11:16:36 -0400
Subject: Water for Flint
From: alafia4hope@gmail.com
To: crrutland@gmail.com

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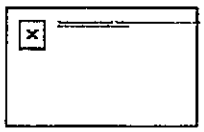

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Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Tuesday, October 06, 2015 14:33
To: Leix, Ron (MSP)
Cc: Covey, Gabriel (MSP); Roach, Billie Jo (MSP)
Subject: *FW: Water for Flint*

A heads up that one of our MIVOAD members, Alafia Foundation for Hope, is donating water to Flint, per their message below.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
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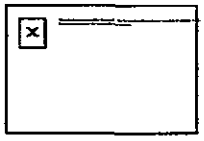

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Key Project Status Report

	Status[1]	Comments
Grants and Financial Section		
1. BSIR		
2. AAFs		
3. Pre-work for FEMA any grants		
4. DR-4195 follow up, extension requests, and closeouts for PA		
5. Training Center financials		
6. Project SIGMA		
7. EMHSD financials		
Support and Outreach Unit		
1. GLHSTC		
2. Statewide Tornado Drill		
3. Consumers Energy Electrical Safety training/books to the field		
4. Brianna position to backfill		
State and Local Support Section		
1. DC severe weather reporting update	Not complete/delayed	Pending final edits from GIS and approval from command to implement
2. Duty officer procedure	Not complete/delayed	Pending edits and review from staff
3. DC incident checklist	Not complete/delayed	Pending edits and review from staff
4. Finalize civil unrest/protest board in MI CIMS	Not complete/delayed	Pending final edits from GIS and approval from command to implement
5. Business EOC project	Not complete/delayed	
6. Backfill Region 2N & 1 DC positions	On track	Interviews are scheduled for March 4th
7. RISC planning	Delayed	No work is possible while Flint is full-time
8. Repatriation plan	Delayed	No work is possible while Flint is full-time
9. MEMP	Delayed	No work is possible while Flint is full-time
10. Disaster Housing plan	Delayed	No work is possible while Flint is full-time
11. COOP	Delayed	No work is possible while Flint is full-time
12. After action reports	Delayed	No work is possible while Flint is full-time
13. IND plan	Delayed	No work is possible while Flint is full-time
14. SEOC SOPs	Same as before disaster	These procedures have been with the section chiefs since Dec./Would like to have FEMA IMAT review

[1] Indicate on schedule, delayed, on hold, or cancelled.

Key Project Status Report

	Status[1]	Comments
		before they leave.
15. Recovery Support Plan	Delayed	No work is possible while Flint is full-time
16. Mass Fatality Plan.	Delayed	
17. EMPG report tracking	Completed Late	I am caught up on tracking and have sent Q2 out. Wayne County still needs to complete their report; I believe 2N and S DC still needs to complete their approvals.
18. EMPG completed reports to jurisdictions.	Completed Late	Reports have been sent to local Jurisdictions Wayne County still needs to complete their report; I believe 2N and S DC still needs to complete their approvals.
19. State/region EMPG summary reports	Not Complete/Delayed	Started working on this but still far from being complete
20. Pre-disaster contracts	Not Complete/Delayed	We need to follow up on the last request from HQ on completing ADM form for this project
21. Resource management workgroup	Not Complete/Delayed	Postponed January and February meting
HMEP 16/17 Federal Application. Requires complete rewrite	Not completed/delayed	
22. HMEP 15/16 Local Grant Agreements	Not Complete/Delayed	
23. Update MCCERCC operations and procedures	Not Complete/Delayed	
24. HMGP 4195 Project Processing	In process	5 apps submitted to FEMA. 5 more to submit in NEMIS. 2 new apps being developed (DNR and A2). 18 Apps reviewed; working with applicants to revise. 2 Planning apps need to be reviewed for submittal. 10 are 5% projects (generators); can't all be funded. Need BCA from Detroit for police generator before deciding how to handle the others.
25. HMGP Administrative Plan	Completed	Approved by FEMA in December
26. HMGP Management Cost Letter		Joel is working on it. He needs input from Penny.
27. 2012 PDM	Delayed by 4195 work	Closeout work on two 2012 PDM project grants.
28. 2011 and 2012 Planning grants		
29. Day to Day grant monitoring	Delayed by 4195 work	Regular grant monitoring for approved grants is taking a backseat right now.
30. 2016 PDM & FMA	Not started	Application periods will open on March 15th. Needs to

Key Project Status Report

	Status[1]	Comments
		be publicized and initiate potential applicant assistance.
31. 2015 PDM & FMA	Awaiting FEMA approval	Five grants. Should be in soon; will need to develop grant packages and work with the sub-grantees to.
32. Monroe County HMP	95% complete	Need to adjust action plan lists and type up process of developing their plan
33. Ionia County Direct Assistance	Finalizing plan review	Need to incorporation notes and draft action plan.
34. Mecosta & Montcalm Counties Direct Assistance	Finalizing plan review	Need to incorporation notes and draft action plan.
35. St. Joseph & Branch Counties Direct Assistance	Finalizing plan review	Need to incorporation notes and draft action plan.
36. Dickinson County Direct Assistance	Finalizing plan review	Need to incorporation notes and draft action plan.
Training and Exercising Section		
1. Palisades REP Exercise & drills (3/30, 4/13, & 4/26)		
2. EMHSTC courses		
3. Federally provided courses		
4. FY 17 HMEP budget		
5. FEMA/EMI VTTX (cancelled)		
6. City of Lansing Interop TTX Feb 26		
7. USCG exercise May 2016 SEOC participation		
8. MI-TRAIN Payment Processing Center (PPC) enhancement		
9. MI-CEMKR updates		
10. CPO Donning/Doffing video refresher training memo		
11. NIMS Training Plan implementation		
12. Fixed Asset Inventory review and verification		
PIO		
1. Media kit for statewide tornado drill in April.		
2. Cancelled G290 and G291 February public information classes.		
3. Regular grant reporting for crisis communications and outreach EMPG.		
4. Winter storm and other seasonal preparedness messaging.		
Audit		
1. Hire auditor		

Key Project Status Report

	Status	Comments
2. Complete 6 audits in 2016		

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Water Distribution Schedule 2/15/2016

Time		Agency Name	Delivery Location	Pallets	Milk	Notes	Dist. Days	Time	
		Monday							
9:00am	Weekly	Calvary Community Church	1201 12th St.	20		Linn Alkins -	Tue, Thur	10am - 6pm	
9:00am	?	Uof M Flint White Building	509 N. Harrison	10		Joslyn Marinelli -			
11:00am	Weekly	Calvary Methodist Church	2111 Flushing Rd	10		Jeff Harper -	Mon. Thur Thur.	10:30 - 4pm	
11:00am	Weekly	Now Ministries	1200 Stocker Ave	6		Janice McHaney -	Tue, Wed, Thur	12pm - 4pm	
1:00pm	Weekly	South Baptist	5090 Passadena Ave	40		Lonnie Thomas -	Mon thru Sat	9am- 5pm	At Mt. Caramel Church 1610 Pierson Rd
2:00pm	Weekly	Evangelistic Temple	1819 Welch Blvd	10		Pastor Joe Roertson -	Same Day	Until Gone	
2:30pm	Weekly	Bolton and James	502 Leith St	6		Annie -	Tue. Thur	10am- 2pm	
		Tuesday							
8:00am	Weekly	Greater Friendship	5165 Detroit St 48505	20	6	Pastor BJ Shields -	Tue. Fri	Until Gone	
9:00am	Weekly	YMCA		1		Pam Baily -			
9:30am	Weekly	Metropoliton Baptist		3		Robert Mabry -			
10:00am	Weekly	New Birth	3918 Blackington	5		Theresa Harris -	Wed. Sun	5pm - 8pm	
10:am	Weekly	St. Mark Baptist	3020 Dupont 48504	20		Angie George -	Tue. Wed. Thur	10am - 4pm	
11:00am	Weekly	2nd Chance Church	5306 North St 48505	40	2- 1st Truck	Art Horton	Thur. Fri. Sat	10am - 3pm	
2:30pm	1 time	Calvary Apostolic Church	1013 Hughs Ave	16		Patricia Willbanks -			
2:30pm	Weekly	Antioch Mission Baptist	1401 E. Stewart Ave 1083 E. Stewart Ave Dist. Site	20		Rodale Randolth -	Tue. Fri	10am- 2pm	
		Wednesday							
9:00am	Weekly	New Jerusalem	1015 Carpenter Rd 48505	40		Barry -	Wednesday	Until Gone	
9:00am	Weekly	Job Corps	2400 Saginaw St	10					
12:00pm	Bi-Weekly	House of Prayer	1851 W. Carpenter Rd	12		Pastor Stewart	Delivered 2-10-16	Unsure so far	
2:00pm	Weekly	Worship Temple	2902 Leith St	20		Eurice Paige	Wednesday	2pm- 5pm	
2:00pm	?	St. Andrews	1922 Iowa Ave	4		Jay Ganz -	They would like 20 5Gal. Juggs and then 2 pallets of Gal juggs		
2:00pm	Weekly	Piece of the Rock	1938 S. Dort Hwy	18	1	Dr Elder Sophia -	Thur, Sun	2pm - 6pm	
		Thursday							
9:30am	Weekly	Prince of Peace	1417 Stevenson St 48504	20	3	Pastor Hawkins -	Daily	10am - 2pm	
9:00am	Weekly	Salem Lutheran Church	2610 ML King Ave.	20	2	Karen Boegn	Try to move Wednesday		
9:00am		GISD	6 Schools	10		David Burt			
11:00am	Weekly	Asbury United Methodist	1653 Davison Rd	6		Jim Craig			
11:00am	Weekly	Faith Gospel Temple	1525 Kent St	10		Olivia -	Thursday	3pm - 6pm	
12:00pm	Weekly	Jackson Memorial Temple	G3155 Carpenter Rd	6		David Eichelberger -			
3:00pm	Weekly	New Path	765 E. Hamilton Ave.	2		Jeff Baryo -			
		Friday							
9:00am	Weekly	Greater Holy Temple	6702 Dort Hwy	20	6	Sandra Jones -	Tue. Thur. Sat	11am- 4pm	
9:00am	Weekly	North Central Church	2001 N. Saginaw St.	20		James Greer -	Mon Thru Fri	9am- 4pm	
9:00am	Weekly	Riverside Tabernacle		20		Steve	Tuesday	9am Until Gone	
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11:00am	Weekly	Success Empowerment Center	1188 Robert T. Longway	10		Pastor Jimmy Jones	Sat. 12pm - 3pm	Sun. 2pm - 4pm	

12:30pm	Weekly	Living Word Ministries	2001 Carpenter	10	4	Pastor Whitmore	Thur, Sun	2pm - 6pm
12:30pm	Weekly	Piece of the Rock	1938 S. Dort Hwy	18	1	Dr Elder Soohia -	Saturday	Until Gone
2:30pm	Weekly	TJs Automotive	2434 Flushing Rd 48504	20		Will Smith	Saturday	Until Gone
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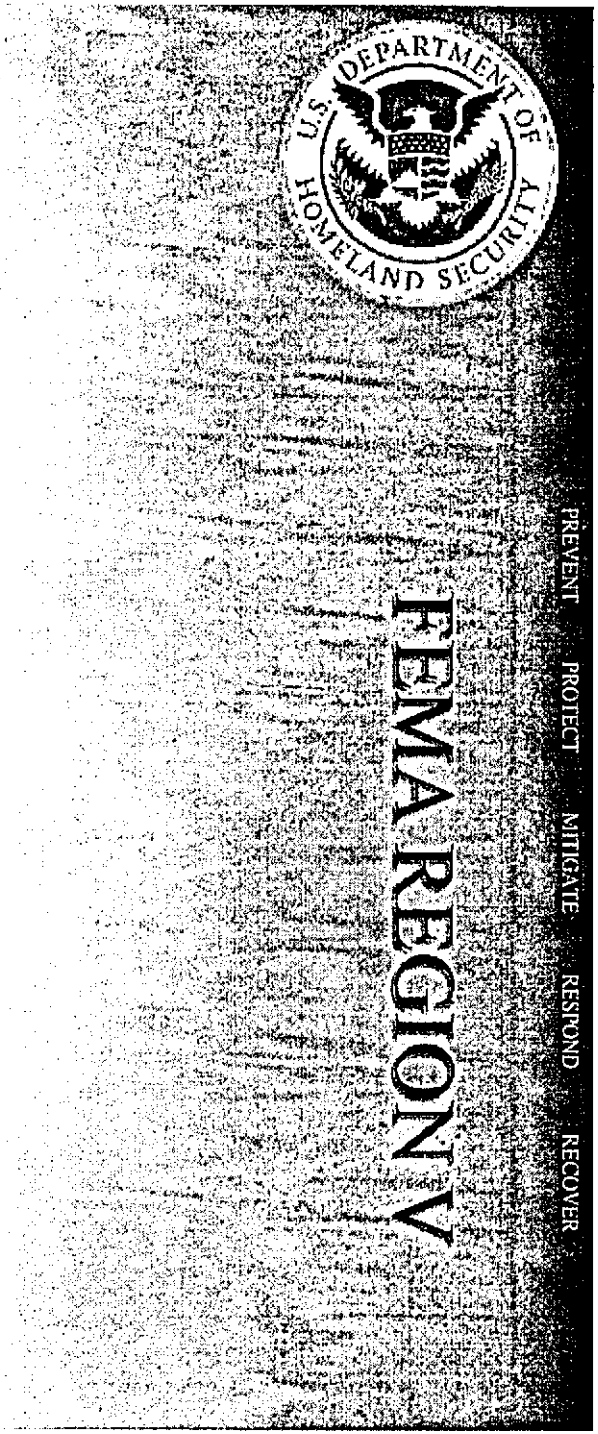
Morning Brief

Wednesday, February 17, 2016



FEMA
Region V

Region V Readiness

Operational Status

- **RRCC:** Watch/Steady State
- **Region V IMAT:** Blue
  - Alpha: MI-3375-EM (Lansing, MI)
  - Bravo: HHS UCG (Flint, MI)
  - Charlie: Collateral
- **Region V LNO:** Cornelius Miller
- **NTAS:** No Active Alerts

State EOC Status

• **Illinois**	**Normal Operations**
• **Indiana**	**Normal Operations**
• **Michigan**	**Full Activation**
• **Minnesota**	**Normal Operations**
• **Ohio**	**Normal Operations**
• **Wisconsin**	**Normal Operations**

Exercise Events

- **Feb 18:** FEB COOP Devolution FSE; Detroit, MI
- **Mar 3:** Indiana Cyber (Power Disruption) TTX; Camp Atterbury, IN
- **Mar 16:** FEB COOP Devolution FSE; Cincinnati, OH
- **Mar 30:** RV/RII Devolution TTX (Phase II); Chicago/New York via VTC
- **Apr 6:** Braidwood REP; IL
- **Apr 18:** FEB COOP Reconstitution TTX; Chicago, IL
- **Apr 20:** NSSE RNC SL TTX; Cleveland, OH
- **Apr 26:** Palisades REP; MI
- **Apr 27:** America's Preparathon

Training Events

- **Feb 17-18:** L-213 Application Review; Indianapolis, IN
- **Feb 29-Mar 1:** REP Core Concepts Course (RCCC); Manitowoc, WI
- **Mar 1-2:** L-276 Benefit Cost Analysis, Indianapolis, IN
- **Mar 2-4:** REP Plan Review Course (RPPR); Manitowoc, WI
- **Mar 3-4:** L-214 Hazard Mitigation Assistance Implementation & Closeout
- **Mar 21-24:** REP Exercise Evaluator Course (REEC); Madison, WI
- **Mar 25:** REP Exercise Controller Course (RECC); Madison, WI
- **Apr 4-7:** L580 EM Framework for Tribal Governments; Leech Lake Band of Ojibwe, Minnesota.
- **Apr 18-21:** REP Exercise Evaluator Course (REEC); Springfield, IL
- **Apr 22:** REP Exercise Controller Course (RECC); Springfield, IL
- **May 3-5:** L207 Introduction to Hazard Mitigation Field Operations; Chicago, IL

This Week
Next Week

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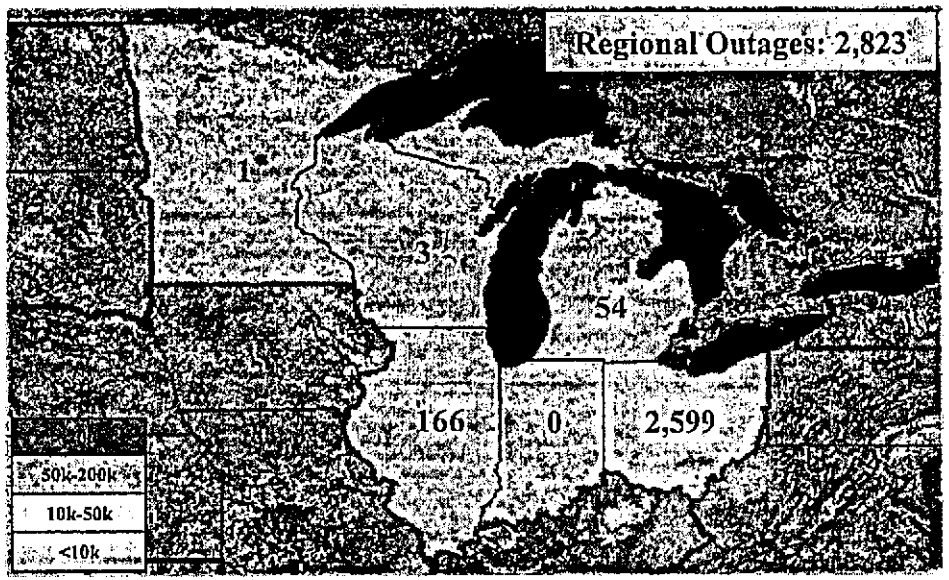
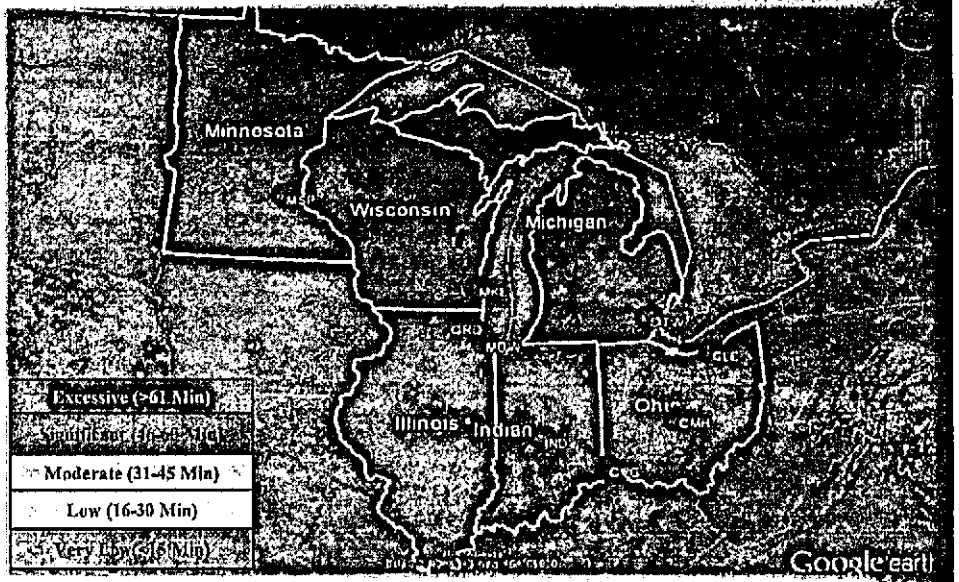
Region V

Infrastructure Status

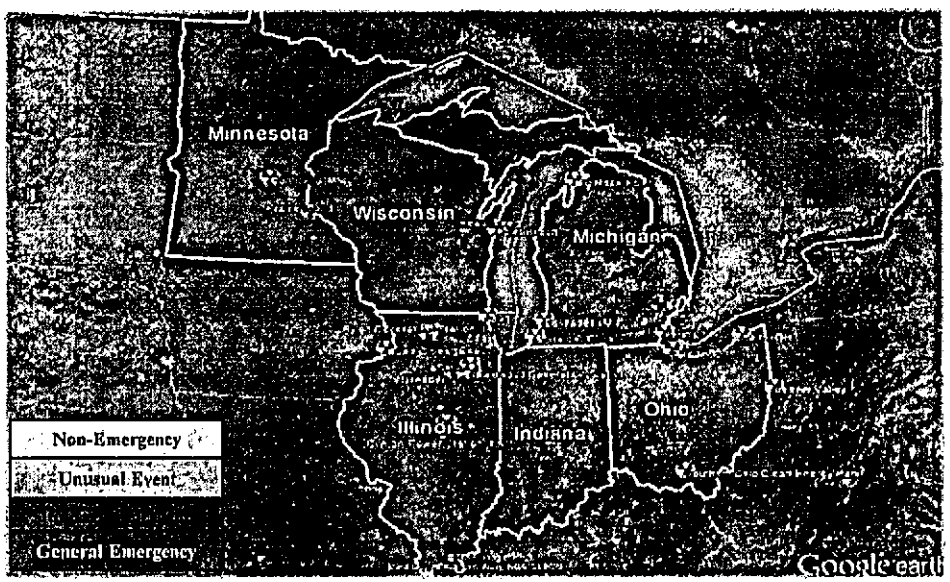
Power Outages



Airport / Flight Status



Nuclear Facilities



Space Weather

Space Summary	Past 24 Hrs	Current	Next 24 Hrs
Geomagnetic (G)	G2	None	G1
Solar Radiation (S)	None	None	None
Radio Blackouts (R)	None	None	None

Space Weather has been moderate for the past 24 hours with storms reaching G2 levels. G1 levels are likely in the next 24 hours.

(Range: 1-Minor, 5=Extreme)

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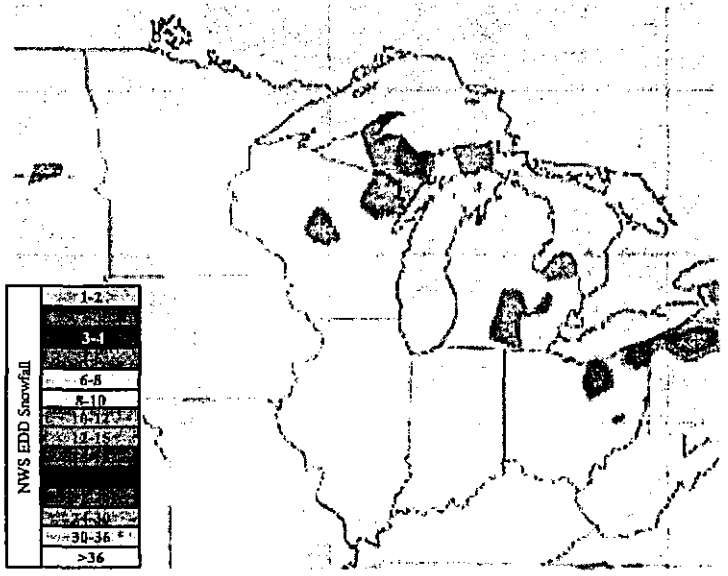
Region V

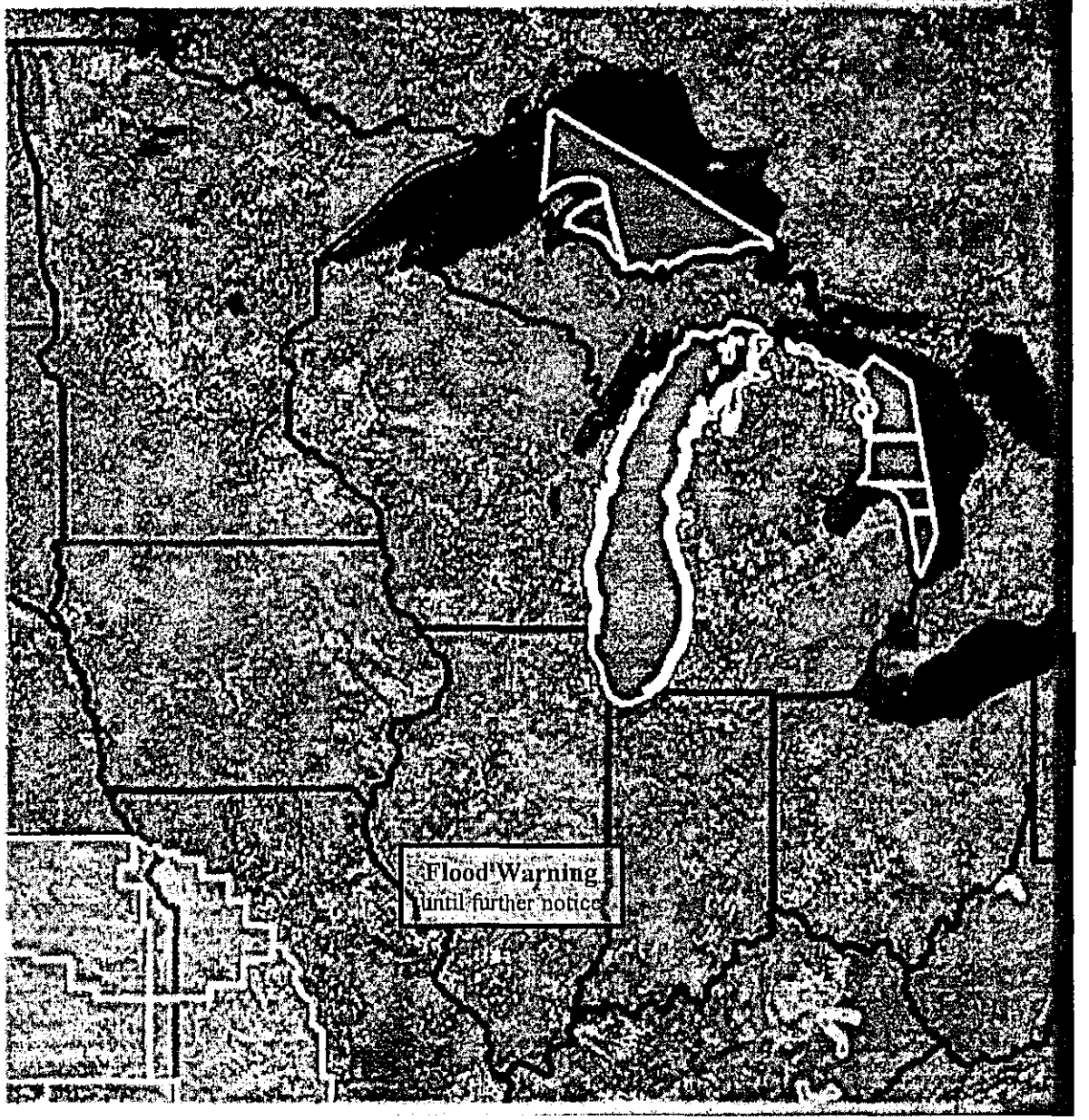
Hazard Summary

Precipitation (Last 24 hours)

Snowfall (Last 24 hours)



Current Watches / Warnings



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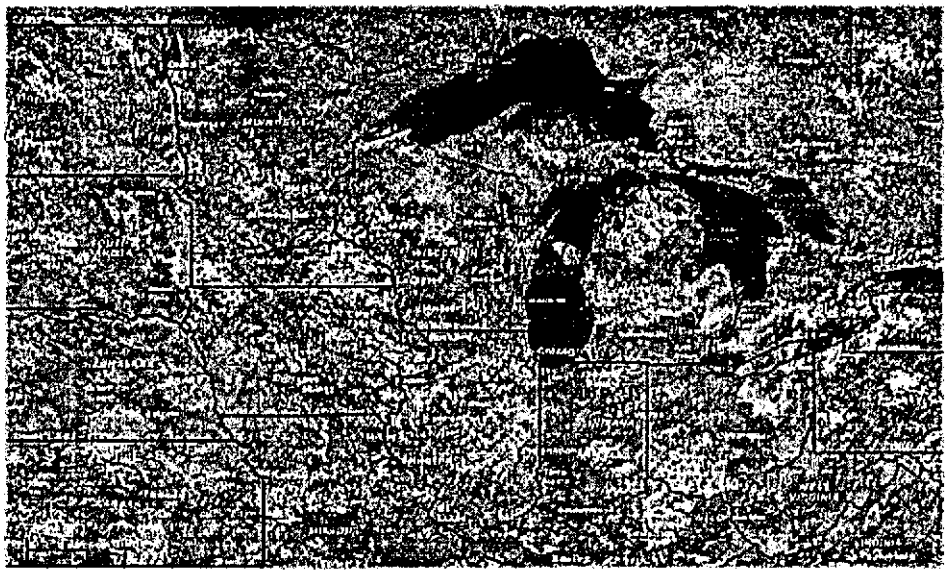
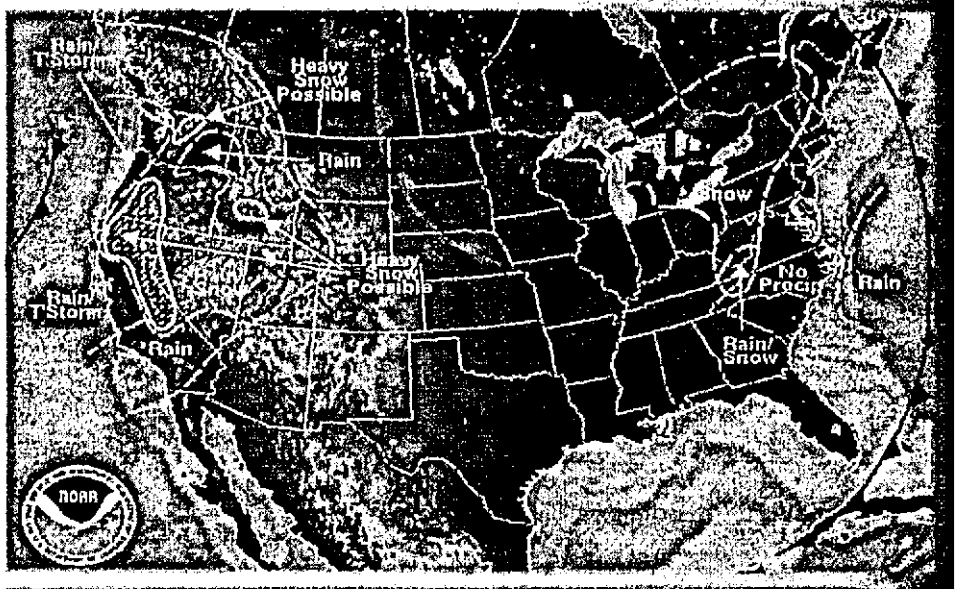
National Weather Forecast

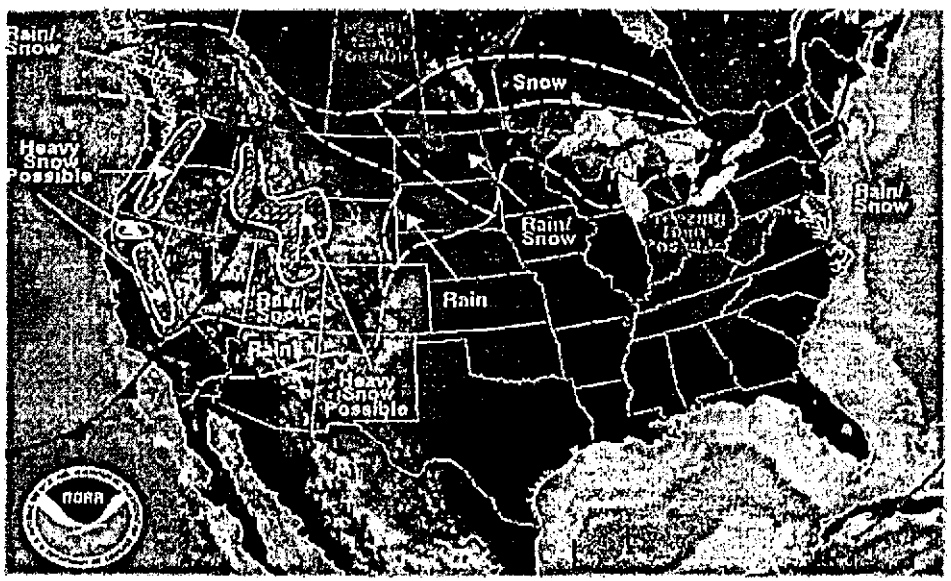
Current Radar



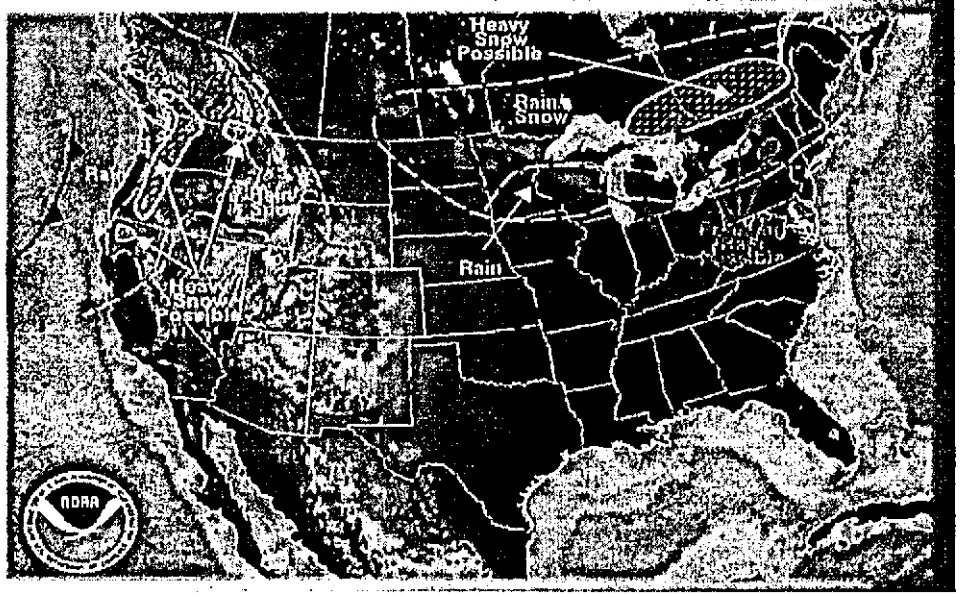
Day 1



Day 2



Day 3



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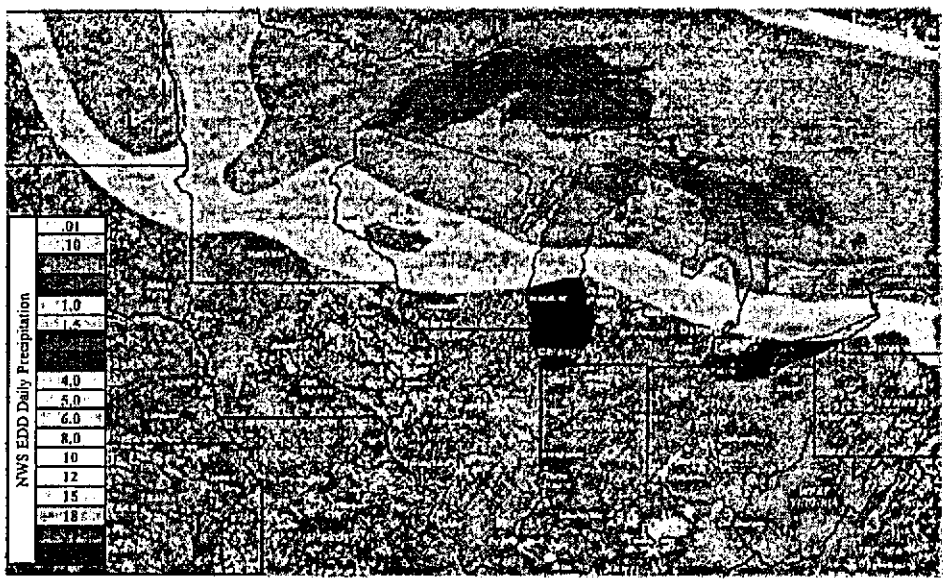
Precipitation Outlook

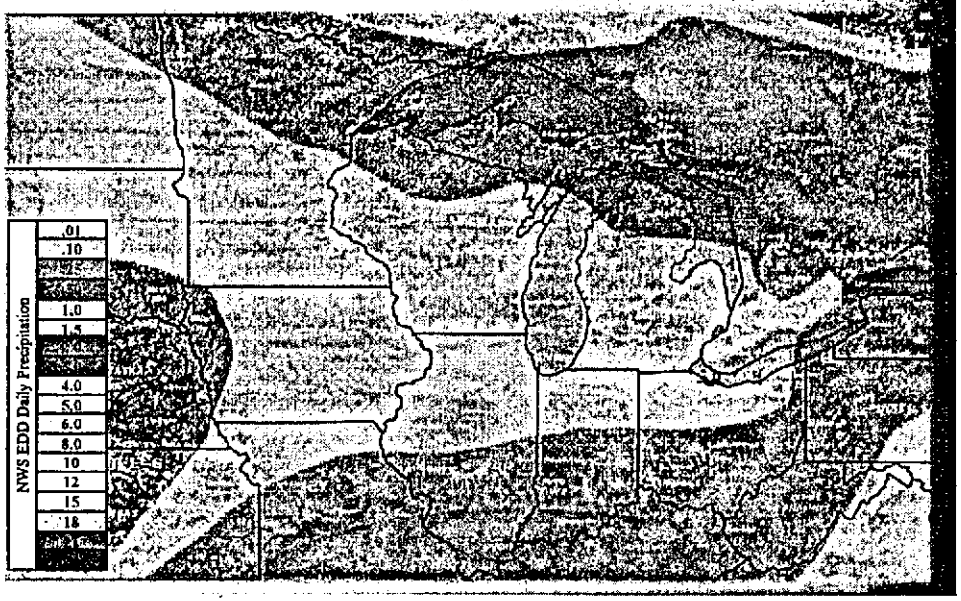
Day 1

Day 2

Day 3



Day 4-5



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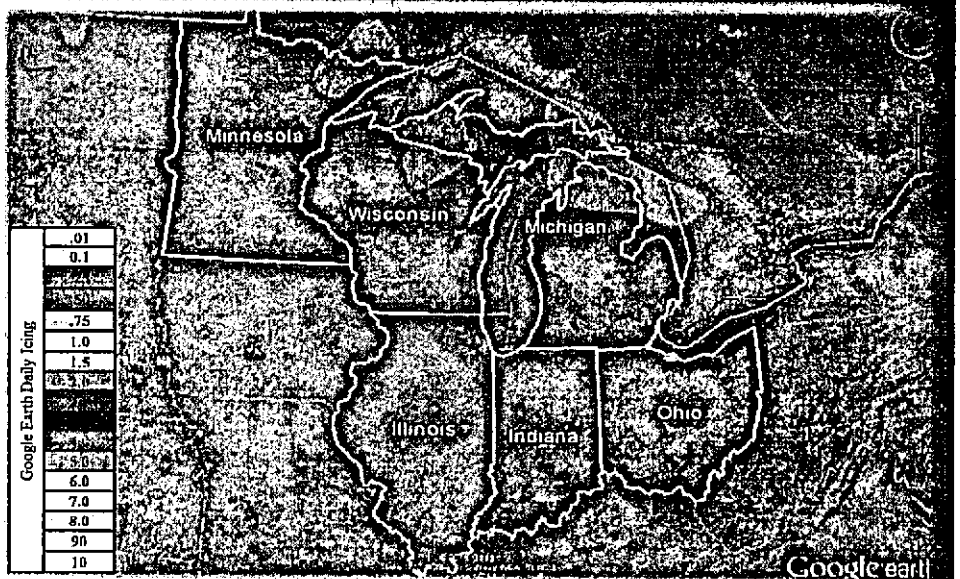
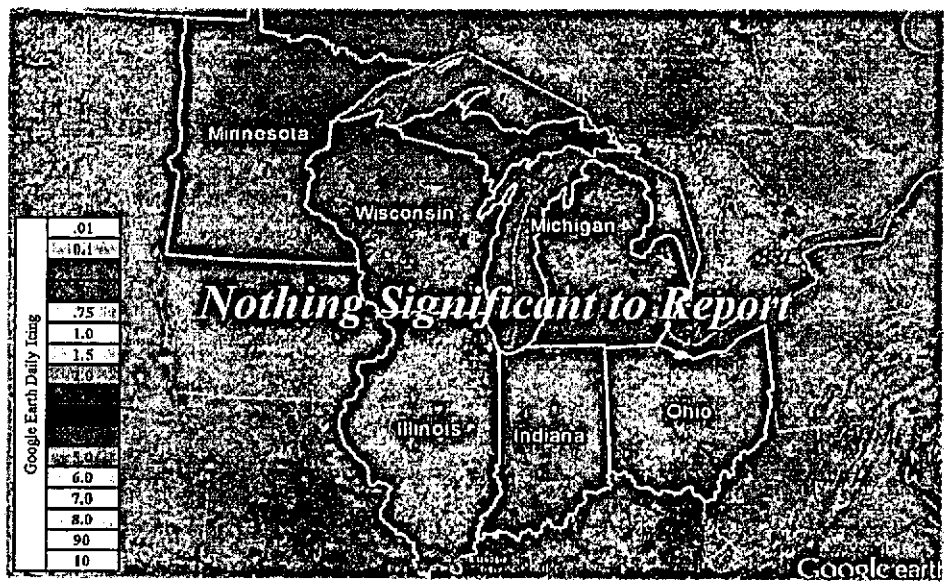
Daily Icing

Day 1

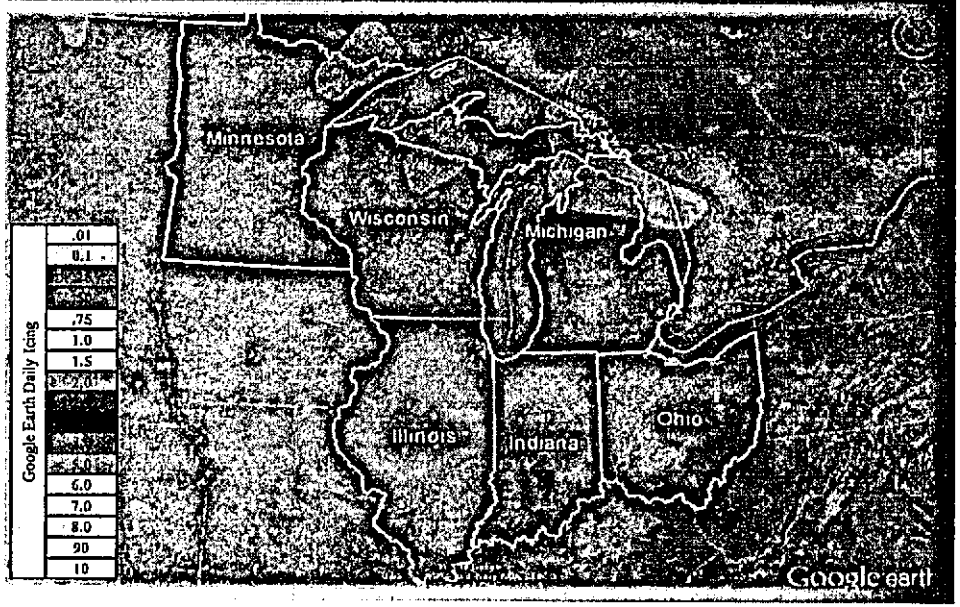
Day 2



Day 3



Day 1-3 Cumulative



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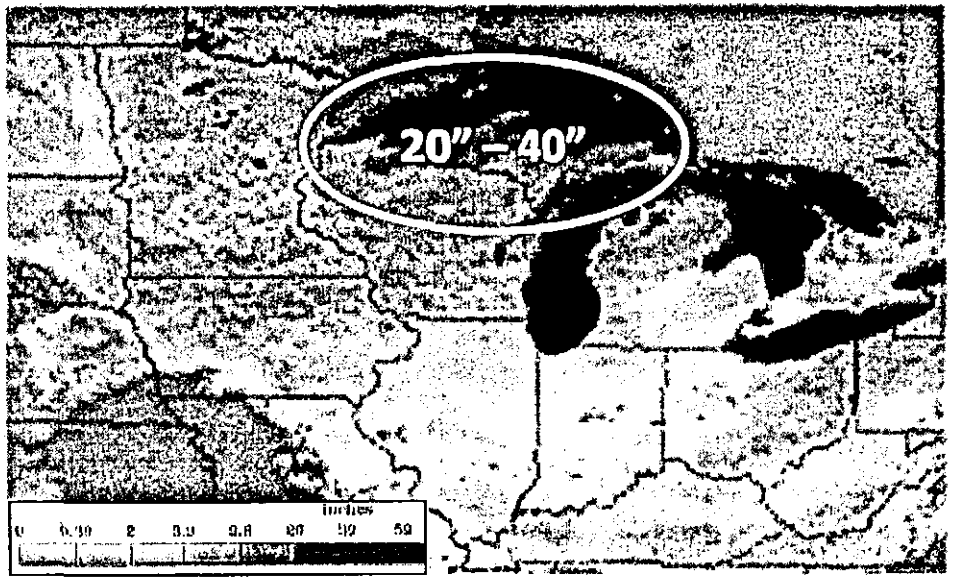
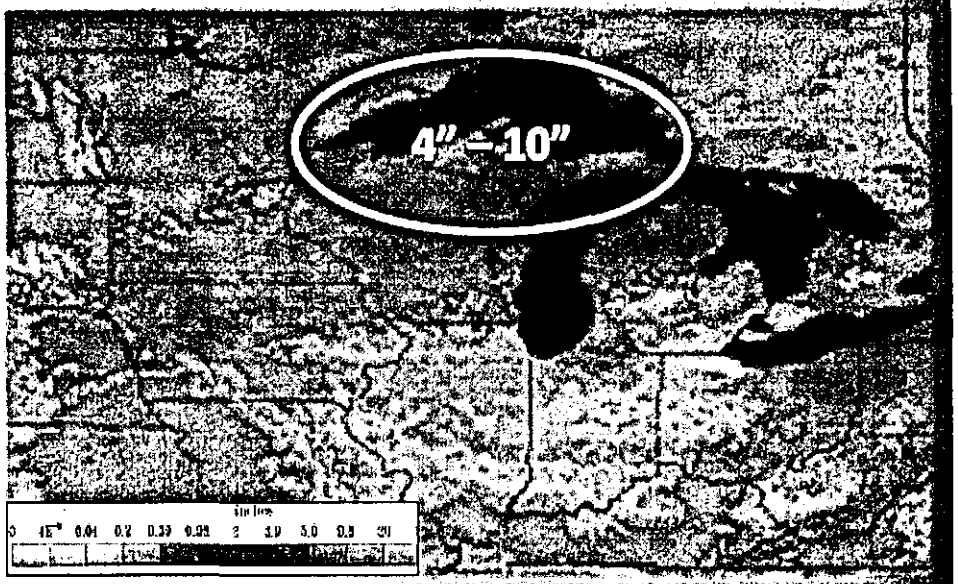
Snow Analysis

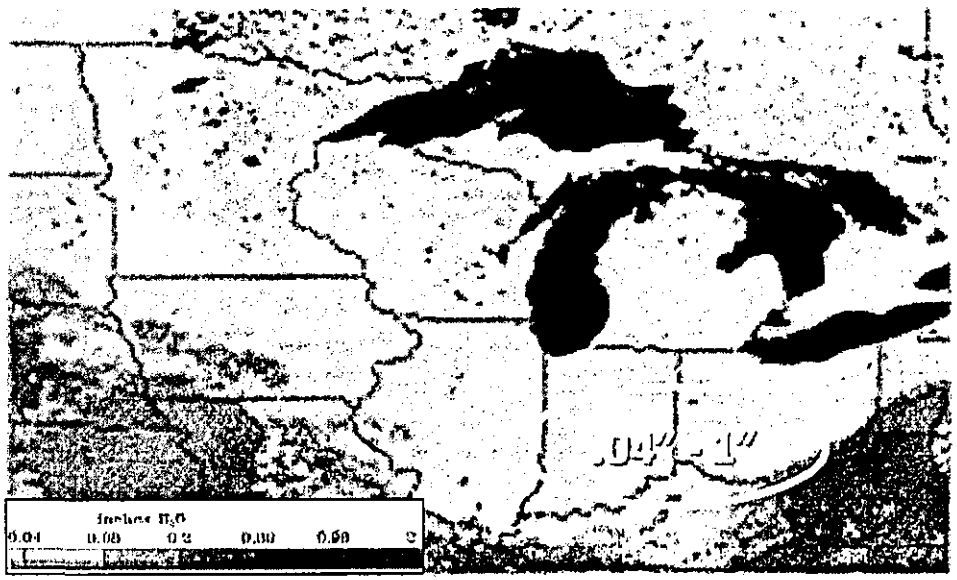
Snow Depth



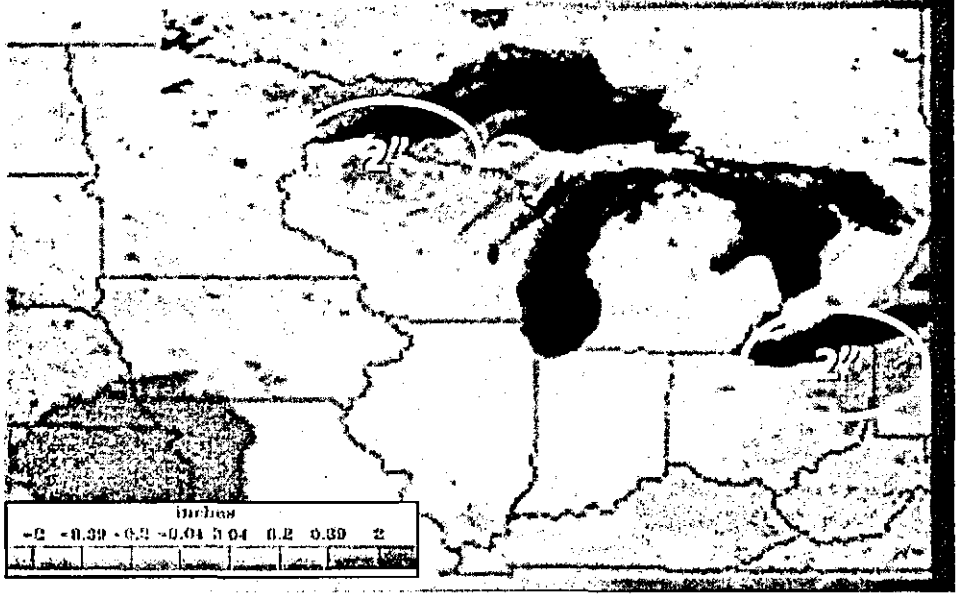
Snow Water Equivalent



Snow Melt (last 24 hours)



Snow Water Equivalent Change (last 24 hours)



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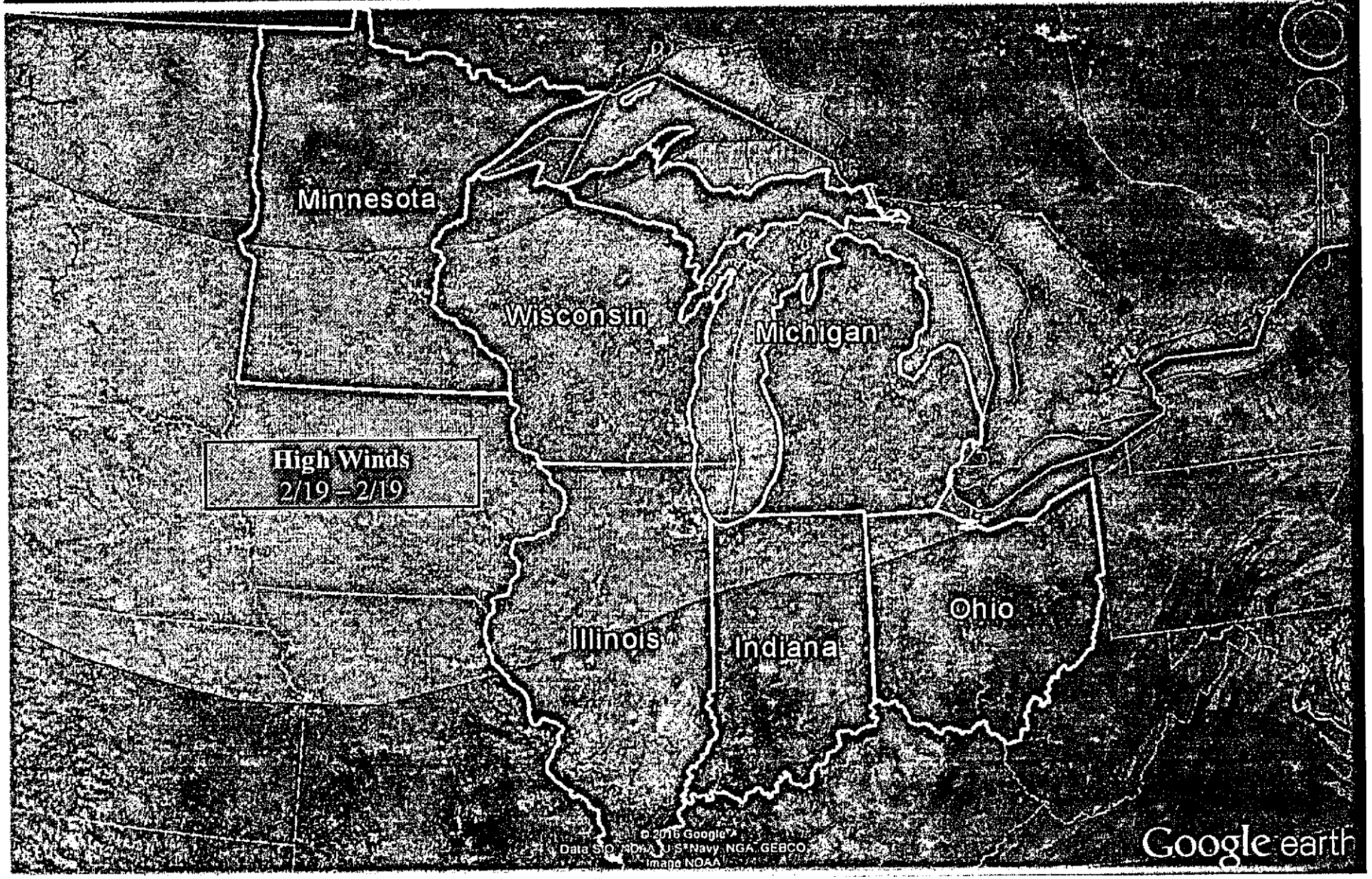
Hazard Outlook

3 -7 Day



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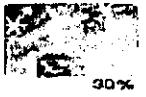
Mid-Range Weather Outlook

Day 4-5 Weather Outlook

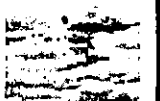
St Paul

Saturday	Saturday Night	Sunday
		
Mostly Sunny	Mostly Cloudy	30% Chance Rain/Snow
High: 45 °F	Low: 30 °F	High: 40 °F

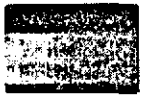
Milwaukee

Saturday	Saturday Night	Sunday
Mostly Sunny	Mostly Cloudy	20% Slight Chance Rain
High: 46 °F	Low: 32 °F	High: 42 °F

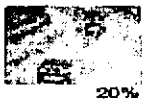
Detroit

Saturday	Saturday Night	Sunday
		
Partly Sunny	Mostly Cloudy	Partly Sunny
High: 48 °F	Low: 32 °F	High: 44 °F

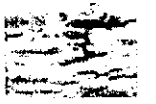
Chicago

Saturday	Saturday Night	Sunday
		
Sunny	Partly Cloudy	Slight Chance Showers
High: 51 °F	Low: 36 °F	High: 48 °F

Indianapolis

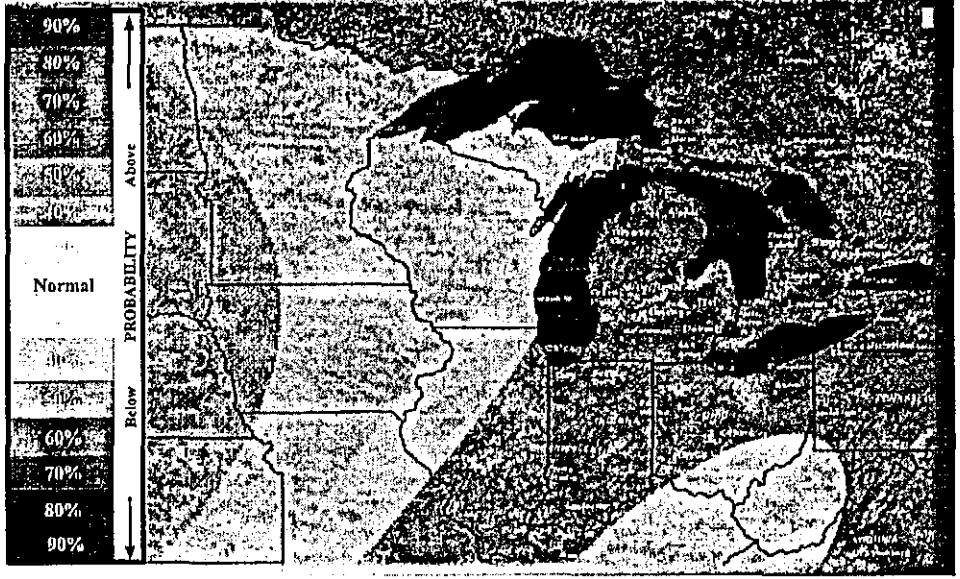
Saturday	Saturday Night	Sunday
		
Sunny	Partly Cloudy	20% Slight Chance Rain
High: 59 °F	Low: 37 °F	High: 53 °F

Columbus

Saturday	Saturday Night	Sunday
		
Mostly Sunny	Partly Cloudy	Partly Sunny
High: 54 °F	Low: 34 °F	High: 52 °F

Day 6-10 Precipitation

Day 6-10 Temperature



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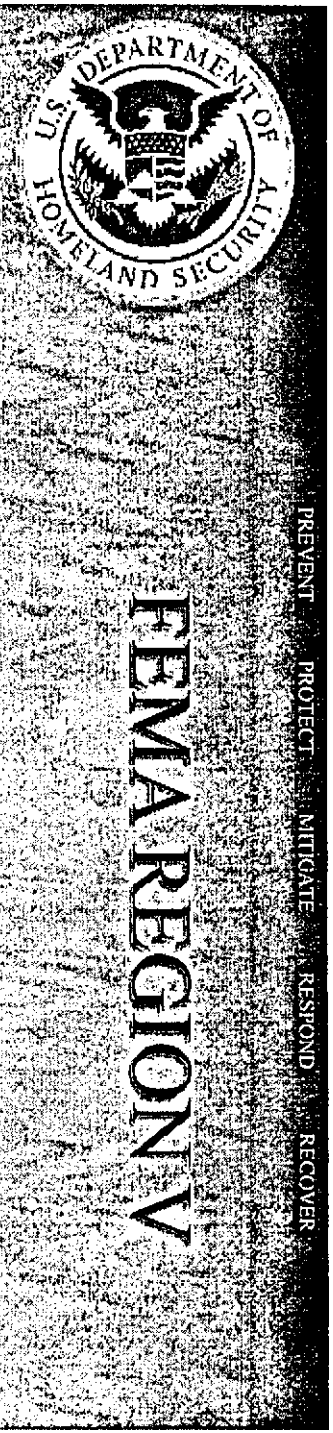
Declarations

State	Event	Event Date	Approved On	County Approvals	Remarks
MI FEMA-3375-EM	Water Emergency	April 25th and ongoing	Jan 16, 2016	1	Provides emergency assistance for water, water filters, water filter cartridges, water test kits and other necessary related items for a period of no more than 90 days for Genesee County.

FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain and improve our capability to prepare for, protect against, respond to, recover from and mitigate all hazards.



LONG TERM DISTRIBUTION
COA BRIEF

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Long-Term Distribution COA Facts & Assumptions

Facts

- Move to long term distribution plan in 2-4 weeks
- EM Dec expires 14 April 2016
- FEMA can only procure H20 for 90 day
- One filter in every residence
- Stewardship {reports, oversight}
- Restore Confidence in Government at the Federal/State/Local level
- Desire to move to direct distribution of:
  - H2O filters
  - H2O Cartridges
  - Pitchers
  - H2O would still be at Pods

Assumptions

- Move State Distribution
- State will maintain commodities past 90 days?
- Does state want to pre-purchase commodities other than water?

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Long-Term Distribution COA Criteria

- Ease of Sustainability (5)
  - Must be sustainable for a year or longer with no disruption of service to the affective population. (less is better = fewest days of disruption)

- Ease of Implementation (5)
  - Time and effort to operationalize COA (less is better = least amount of time and effort)

- Cost (1)
  - Ability to implementation and sustain (less is better = fewer $$$)

- Public Perception (3)
  - Public has confidence in the long term distribution plan (less is better = measured as # of negative social media posts)

- Survivor Centric (4)
  - Most convenience to population (less is better = distance and available hours to pop)

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Long-Term Distribution COA Evaluation

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		COA				
Factor	**Weight**	**1**	**2**	**3**	**4**	**5**
Sustainable	5	10	25	16	6	18
Implementation	5	8	18	15	13	11
Cost	1	15	10	13	21	19
Public Perception	3	14	12	8	15	7
Survivor Centric	4	12	14	13	8	14
	Unweighted	59	79	65	63	69
	Weighted	195	317	244	193	241
	Ranking	**2**	**5**	**4**	**1**	**3**

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COA #1: IS26

- **One Point of Distribution (POD) per Ward**
- **IS26 compliant checklist to identify locations**
- **Minimum Staffing: 9 per POD for 81 personnel**
- **Staffing would be provided all or in part by workforce development grants**
- **Location based upon**
  - Fixed Location (parking lots)
  - Utilize semi/box truck w/just in time commodities
  - Parking lot next to bus route &/or transportation route
- **Full Service POD:**
  - H2O, Filters, cartridges, test kits (only advertise H2O, cartridges and test kits) + Recycling
- **Rapid Response Teams for 211:**
  - 1 x 16' Penske
  - 2 personnel per POD to address vulnerable population in this COA
  - Approx. 3,000 vulnerable people; many are not mobile

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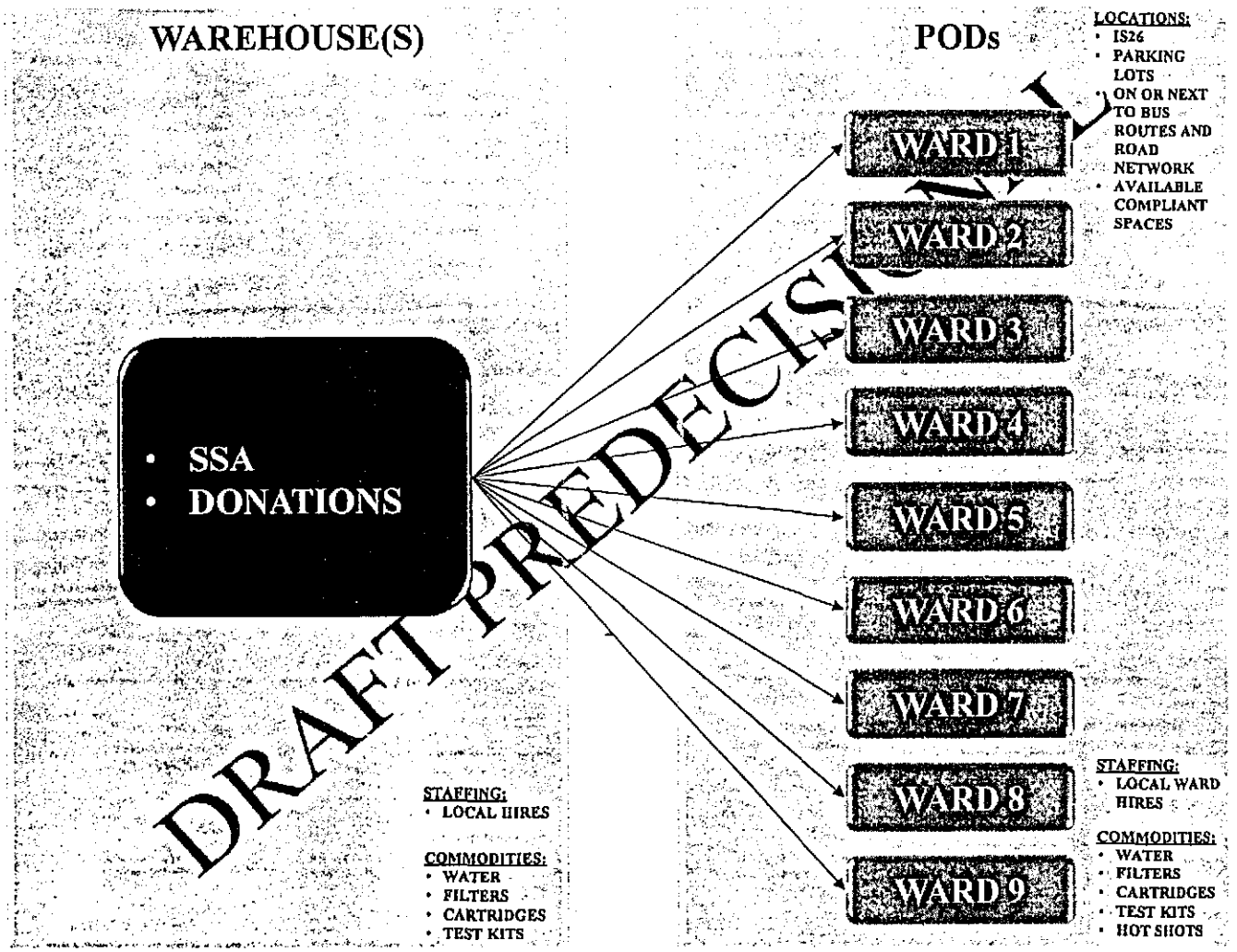
Long-Term Distribution COA #1



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Long-Term Distribution COA #1 Talking Points

STRENGTHS

- JUST-IN-TIME DELIVERY
- EFFICIENT, DEVELOPED, AND PROVEN SYSTEM
- ACCOUNTABILITY OF RESOURCES
- EASILY LOCATED
- MORE ABLE TO TRACK BURN RATES
- FOLLOWS FEMA-APPROVED GUIDELINES
- BUY IN AT ALL LEVELS OF GOVERNMENT
- ON-LINE TRAINING (EMI-IS)
- SCALABLE & FLEXIBLE
- WARD BASED
- BRIDGING STRATEGY USING NATIONAL GUARD & VOLUNTEERS W/IN LESS THAN 7 DAYS
- ROLE FOR FAITH BASED ORGANIZATIONS
- SUSTAINABLE LOCAL JOBS FOR 12 MONTHS
- PROVEN DISTRIBUTION STRATEGY
- # OF LARGE SITES TO PICK FROM
- STIMULATE FLINT ECONOMY
- ON BUS/TRANSPORTATION ROUTES
- NO PREDETERMINED SITES
- COUNCILMEN ACTIVE PARTNERS

RISKS

- POLITICAL RAMIFICATIONS
- STAFFING
  - TRAINING
  - RETENTION
  - VETTING

WEAKNESSES

- TRAINING AND CERTIFICATION
- TRACKING OF COMMODITIES
- HIGH COST OF BRIDGING STRATEGY ~$1M FOR 71 NG PERSONNEL PER MONTH
- STAFF SCALIBILITY LIMITED TO GRANT
- UNKNOWN BURN RATE
- WOULD REQUIRE MOU

EQUIPMENT, POLICY, PROCEDURES, ETC.

- SEE EQUIP. LIST FOR IS26
- ADA COMPLIANCE
- ACCOUNTABILITY SYSTEM
- CREDENTIALING
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS

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COA #2:Faithbased – 9 Wards - 9 Hubs /36 Sub Hubs

- **Staff: Volunteers**
- **This plan is based on distribution centers to faith based organizations utilizing Food Bank and Red Cross distribution**
- **9 Wards; 1 Hub in each ward; 4 Sub-hubs in each ward**
- **Hubs:**
  - 4 commodities
  - Mobile lead testing clinic twice per week
    - For individuals without insurance; to include lead awareness testing, nutrition, and education
- **Sub hubs**
  - Recycling center
  - will do water distribution only
  - Transportation to senior citizen complexes in the ward

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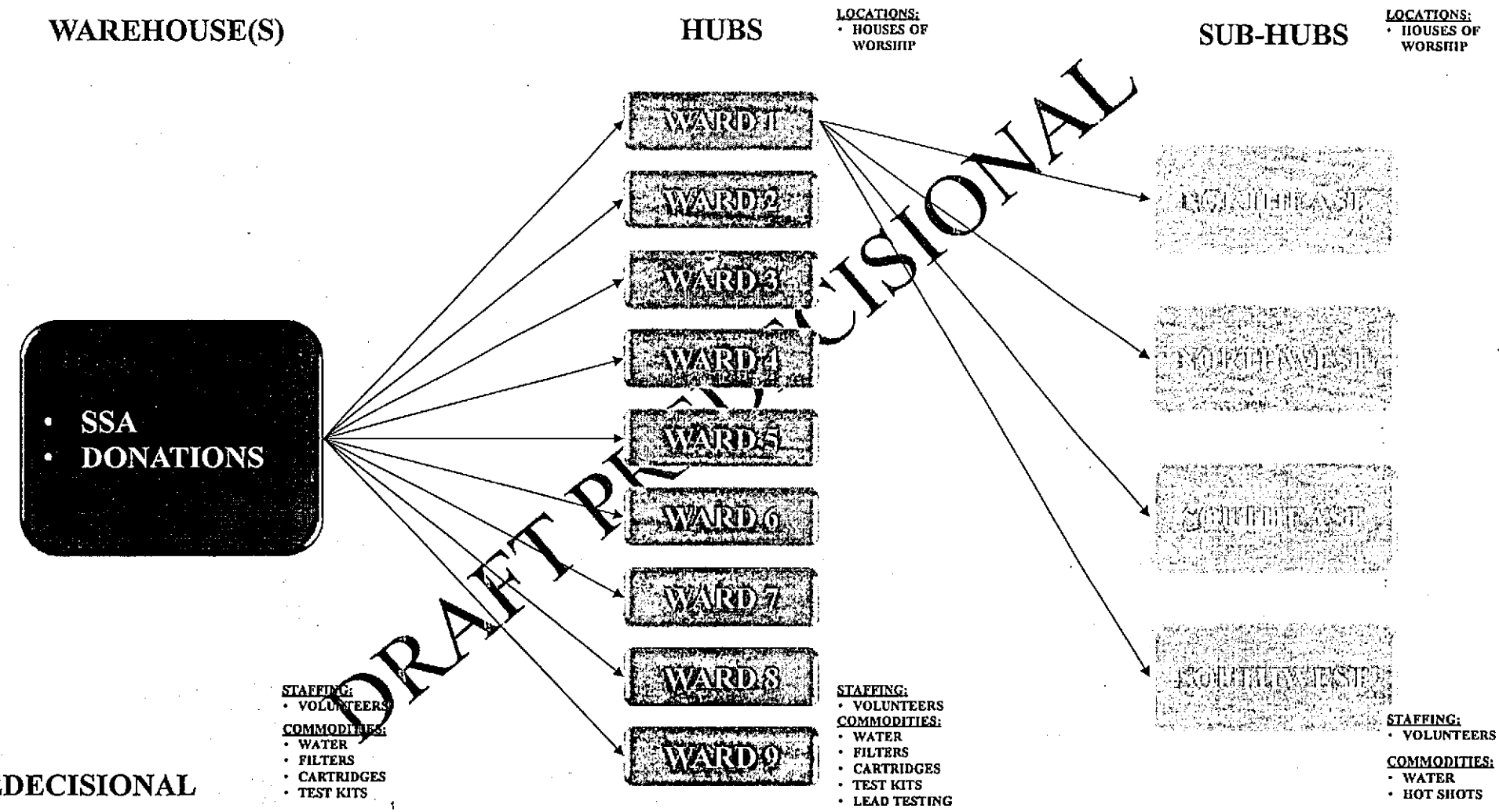
Long-Term Distribution COA #2



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Long-Term Distribution COA #2 Talking Points

STRENGTHS

- WHOLE COMMUNITY
- ACCESS TO POPULATION
- LARGER GROUP VIABLE PROPERTY
- STATE INVESTMENT AND COMMUNITY ORGANIZED
- COMMUNTY GENERATED PLAN
- NO LABOR COSTS
- INCORPORATES STRATEGIC PARTNERS
- REDUCES TRAVEL TIME FOR RESIDENTS
- SURVIVORS CAN BE VOLUNTEERS

RISKS

- LOCATION SELECTION/AVAILABILITY: QUANTITY OF SITES
- RELIGIOUS SENSITIVITY (Internal discord among interfaith network)
- POLITICAL RAMIFICATIONS (Competing political interests)
- APPEARANCE THAT STATE IS WALKING AWAY AND GIVING MISSION TO FAITH BASED
- COMMUNITY BUY-IN MAY BE AFFECTED BY DISRUPTIONS TO LOCAL COMMUNITY ACTIVITIES

WEAKNESSES

- STAFFING OF 459 VOLUNTEERS (ABILITY TO SUSTAIN)
- IDENTIFY 45 SUITABLE FACILITIES THAT MEET IS26
- VOLUNTEERS MUST BE TRAINED AND CERTIFIED
- VOLUNTEERS REQUIRE SPECIFIC SKILLS
- BACKGROUND CHECKS REQUIRED FOR RAPID RESPONSE TEAMS
- HOST ORGANIZATION MUST COMPLY WITH VOLUNTARY LABOR LAWS
- LACK OF CONTINUITY IN STAFF
- DIFFICULT TO MAINTAIN A SUPPLY CHAIN ACCOUNTABILITY OF COMMODITIES
- RAPID RESPONSE TEAMS WOULD NEED TO WORK OUT OF HUBS TO GET FILTER, CARTRIDGES, & TEST KITS
- IMPACTS & FINANCIAL CONCERNS AT CHURCHES/COMMUNITY CENTERS
- POTENTIAL SUDDEN TERMINATION AFFECTS OPERATIONAL STABILITY
- EXCEEDS SPAN OF CONTROL RELATED TO STAFFING AND SITES
- INTERIOR SPACE REQUIREMENTS STORAGE 10X10 CLIMATE CONTROLED ADMIN FOR 2 PERSONNEL INTERNET AND PHONE
- DISRUPTION OF COMMUNITY TRAFFIC FLOW
- POTENTIAL SECURITY COSTS
- BRIDGING STRATEGY UTILIZING THE NG IS NOT VIABLE
- LACK OF EQUIPMENT/WEAR AND TEAR
- RELIGIOUS SENSITIVITY

EQUIPMENT, POLICY, PROCEDURES, ETC.

- 45 SITES
- EQUIPMENT LOG LIST
- STAFFING: VOLUNTEER POLICY CONSIDERATIONS
  - AGE, ABILITY
  - INSURANCE
- OFF-SITE EBL TESTING IS NOT SUPPORTED BY MEDICAL COMMUNITY
- ADA COMPLIANCE
- ACCOUNTABILITY SYSTEM
- CREDENTIALING
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS
  - RENTAL
  - MOU

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COA #3:WARDS: 9 HUBS/36 SH – LOC HIRE

- Staffing is hired full and part time
- This plan is based on distribution centers to faith based organizations utilizing Food Bank and Red Cross distribution
- Utilizing one hub in each ward and four sub hubs in each ward.
- Hubs will have all four commodities
- A mobile lead testing clinic twice per week for individuals without insurance at each hub (where they receive lead awareness testing, nutrition, and education on lead prevention tips for families)
- Sub hubs
  - Recycling center
  - will do water distribution only
  - Transportation to senior citizen complexes in the ward

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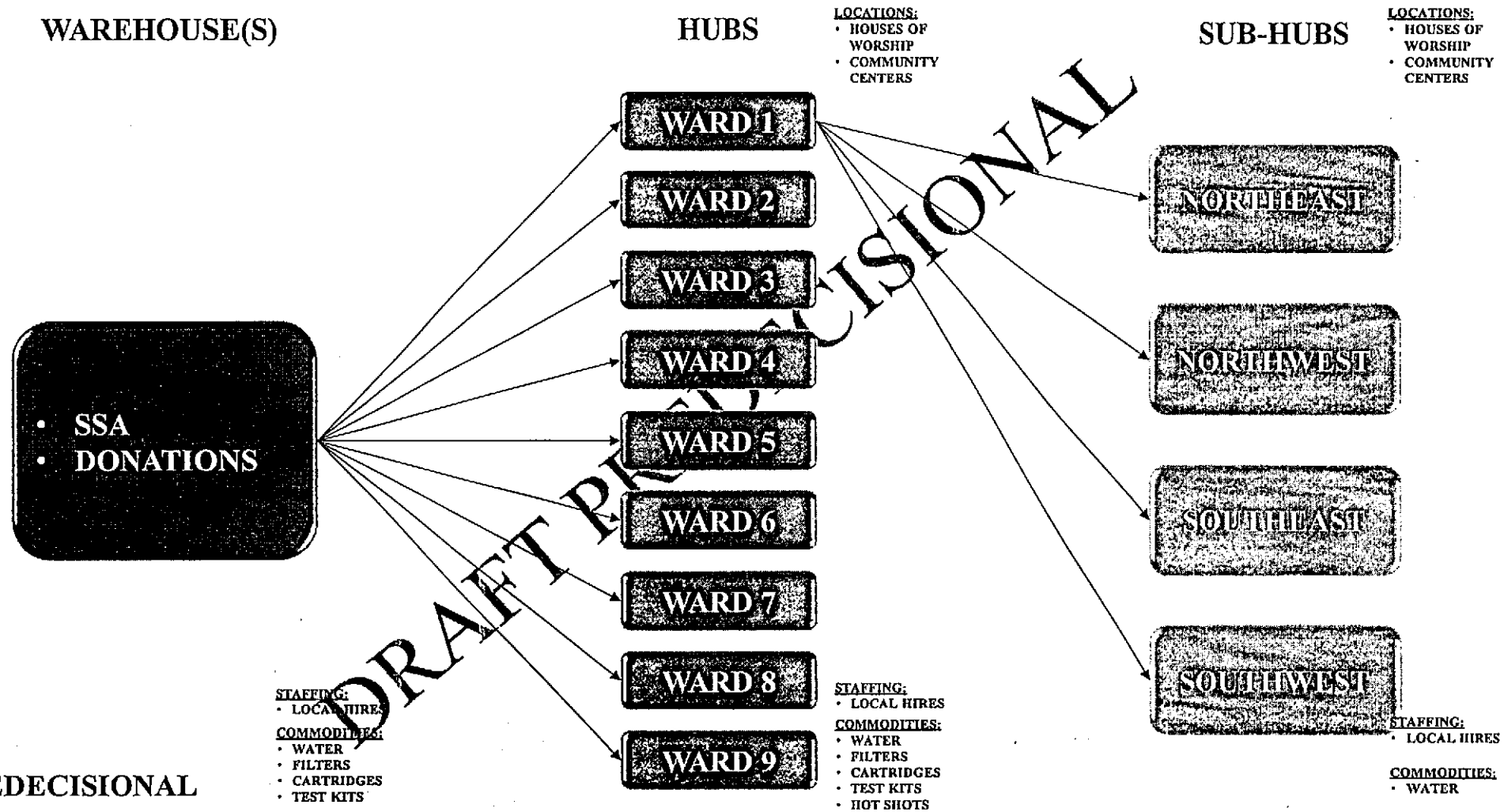
Long-Term Distribution COA #3



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Long-Term Distribution COA #3 Talking Points

STRENGTHS

- WHOLE COMMUNITY
- SKILLED LABOR POOL
- RELIABLE WORK FORCE
- MONEY STAYS WITHIN COMMUNITY
- ACCESS TO POPULATION
- LARGER GROUP VIABLE PROPERTY
- STATE INVESTMENT AND COMMUNITY ORGANIZED

RISKS

- LOCATION SELECTION/AVAILABILITY
- RELIGIOUS SENSITIVITY
- POLITICAL RAMIFICATIONS
- STAFFING
  - LOCAL HIRING
  - TRAINING
  - RETENTION
  - VETTING
- APPEARANCE THAT STATE IS WALKING AWAY AND GIVING MISSION TO FAITH BASED
- POTENTIAL CHANGING COMMUNITY CONCERNS

WEAKNESSES

- STAFFING OF 459 EXCEEDS GRANT CAPACITY (~200)
- FINDING 45 SUITABLE FACILITIES
- TRAINING AND CERTIFICATION
- FUNDING SOURCE
- CONSISTANCY
- ACCOUNTABILITY OF COMMODITIES
- HOW DO RAPID RESPONSE TEAMS GET FILTER, CARTRIDGES, & TEST KITS WORKING FROM SUB HUBS
- IMPACTS AND FINANCIAL CONCERNS AT CHURCHES & COMMUNITY CENTERS
- POTENTIAL SUDDEN TERMINATION
- EXCEEDS SPAN OF CONTROL
- INTERIOR SPACE REQUIREMENTS STORAGE 10X10 CLIMATE CONTROLED ADMIN FOR 2 PERSONNEL INTERNET AND PHONE
- DISRUPTION OF COMMUNITY TRAFFIC FLOW
- POTENTIAL SECURITY COSTS

EQUIPMENT, POLICY, PROCEDURES, ETC.

- SITES
- EQUIPMENT
- STAFFING
- ADA COMPLIANCE
- ACCOUNTABILITY SYSTEM
- CREDENTIALING
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS

PREDECISIONAL

DRAFT PRE-DECISIONAL

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COA #4: FILTER DIRECT DELIVERY

- Direct delivery for filters, cartridges, and pitchers
- PODS water only and recycling
- Rapid Response - could use one per Ward
- Designated Officials will arrange pickup for Franchise customers from SSA
- MI Department of Technology Management and Budget would issue request for proposals (RFP) for direct delivery of the three commodities
- Tracking and protection of Personally Identifiable Information is responsibility of contractor
- Write RFP to incorporate an upper limit per household per month
- State to provide addresses
- This COA may be supplemented by faith and community based distribution centers at their discretion
- Distribution Model
  - FEMA procured commodities delivered to SSA
  - Vender assumes commodities at SSA
  - PODs in each of 9 wards using IS26 protocol for water distribution only

DRAFT PREDECISIONAL

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Long-Term Distribution COA #4 Talking Points

STRENGTHS

- TURN KEY FOR THREE COMMODITIES
- IMPROVED EFFICIENCIES, ACCOUNTING AND TRACKING
- FLEXIBLE AND RESPONSIVE
- CONVIENENT/SURVIVOR CENTRIC
- INDIVIDUAL AGENCIES' PRE-EXISTING COMPETENCIES MAXIMIZED
- MEETS ALL IS26 STRENGTHS
- AS DEMAND FOR H2O DECREASES ALLOWS A TRANSITION TO COMMUNITY LED H2O PODS

RISKS

- LOCATION SELECTION/AVAILABILITY
- POLITICAL RAMIFICATIONS
- CONTRACTOR PERFORMANCE
- STAFFING OF PODS
  - INCREASES
  - FUNDING
  - TRAINING
  - EQUIPMENT

WEAKNESSES

- COST
- DUPLICATION OF EFFORTS
- UNKNOWN BURN RATE
- WOULD REQUIRE MOU FOR PODS
- NO PREDETERMINED SITES FOR PODS
- TIME REQUIREMENTS TO START
- INCREASED POSSIBILITY FOR RETAIL FRAUD

EQUIPMENT, POLICY, PROCEDURES, ETC.

- SITE
- EQUIPMENT
- STAFFING
- ADA COMPLIANCE FOR WATER PODS
- ACCOUNTABILITY SYSTEM
- CREDENTIALING FOR PODS & RAPID RESPONSE TEAMS
- BACKGOUND CHECKS FOR RAPID RESPONSE TEAMS
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS

PREDECISIONAL

DRAFT PREDECISIONAL

NOT FOR FURTHER DISTRIBUTION

COA #5: FOOD BANK DISTRIBUTION

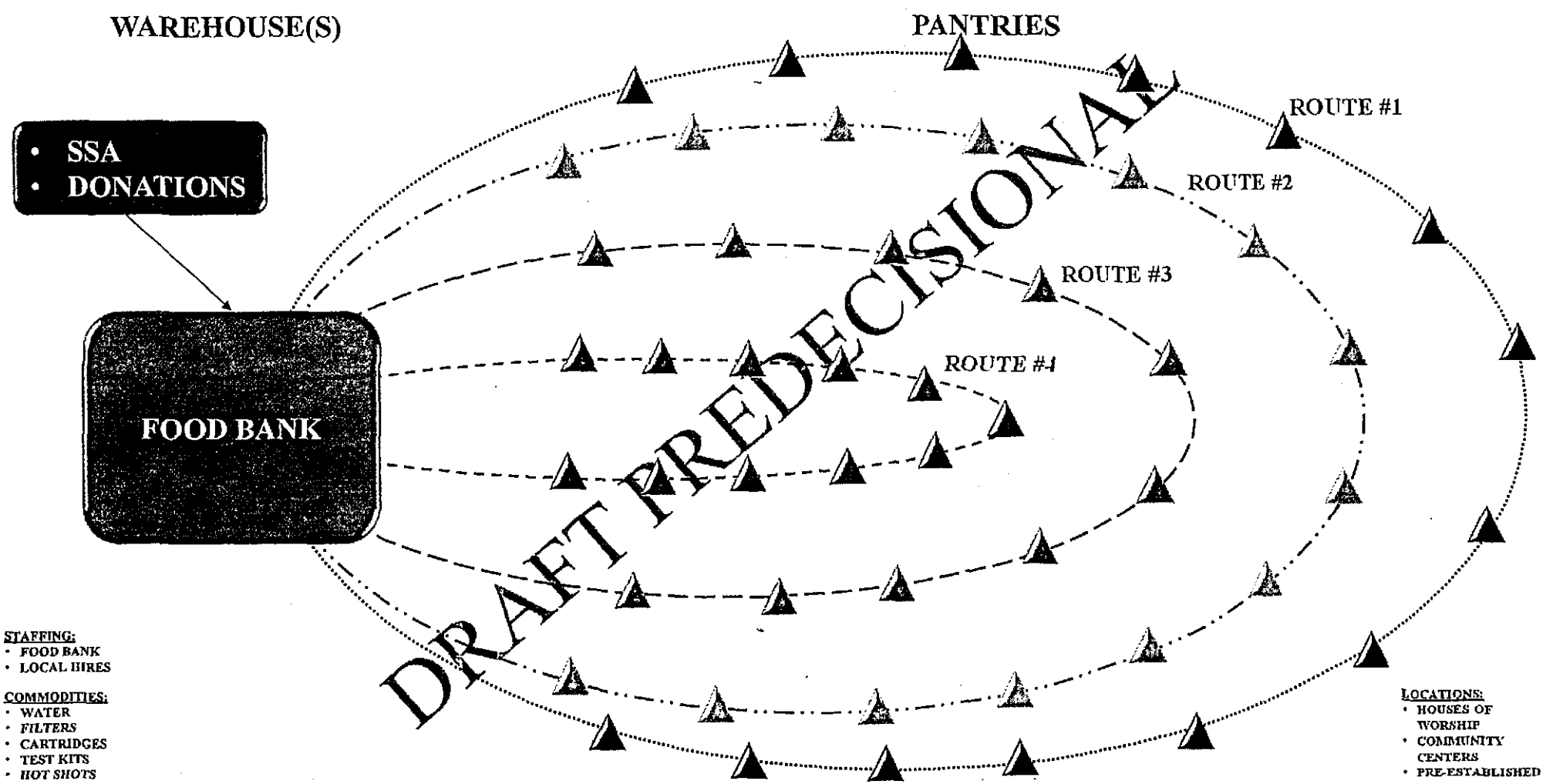
- Expands on Food Bank (FB) distribution model
- Expand on existing four routes per week
- Contract with Food Bank of Eastern Michigan for distribution services
- 86 existing pantry locations
- Utilizes existing community partners
- Staffing would be based upon current FB staffing model
- All four commodities at every site
- Mix of paid and volunteer staffing

DRAFT PREDECISIONAL

PREDECISIONAL

PREDECISIONAL NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #5



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Long-Term Distribution COA #5 Talking Points

STRENGTHS

- RAPID EXECUTION AFTER GRANT IS SIGNED
- COMMUNITY BASED
- TRACKING SYSTEM TO PANTRIES
- *GOVERNMENT AND NGO BOTH HAVE ROLES*
- HIRED WORKFORCE
  - SUPLEMENTED WITH VOLUNTEER AND FAITH-BASED
- WELL DISTRIBUTED
- PRE-ESTABLISHED LOGISTICS SYSTEM (FOOD BANK *ROUTES*)
- EXPANSIVE CONNECTION TO PANTRIES
- ALREADY SELECTED SITES

RISKS

- LOCATION SELECTION/AVAILABILITY
- POLITICAL RAMIFICATIONS
- STAFFING
  - INCREASES
  - FUNDING
  - TRAINING
  - EQUIPMENT

WEAKNESSES

- RECRUITMENT OF VOLUNTEERS
- POTENTIAL ROUTE ADJUSTMENTS TO REPRESENT EACH WARD
- IMPACTS TO CURRENT BUSINESS PLAN
- FUNDING SOURCE
- LARGE NUMBER OF LOCATIONS
- CAPACITY/CAPABILITIES (SUITABILITY OF FACILITIES)
- NUMBER OF DELIVERY VEHICLES
- RESTOCKING PROCEDURES FOR PANTRIES
- ACCESSABILITY (ADA, HOURS, TRAFFIC)
- ACCURATE BURN-RATE (LITER/CASES VS POUNDS)
- COMMODITY SOURCE TRACKING MECHANISM TO HOUSEHOLDS
- LOSE CONTROL OF HOURS OF OPERATION AND LOCATION
- *TIME FOR RFP PROCESS*
- UNKNOWN TOTAL COST
- NOT EVENLY DISTRIBUTED
- UNKNOWN EQUIPMENT STAFFING MODEL, RFP SPACE, INTEREST
- UNKNOWN IF THEY WILL DELIVER CARTRIDGES/FILTERS

EQUIPMENT, POLICY, PROCEDURES, ETC.

- SITE
- EQUIPMENT
- STAFFING
- ADA COMPLIANCE
- ACCOUNTABILITY SYSTEM
- CREDENTIALING
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS

DRAFT PRE-DECISIONAL

PREDECISIONAL

QUESTIONS

- What are limitations on each site's usage; i.e., churches?
- Can limitations be waived?
- Max number of personnel to support?
- How much advance notice is required?

Potential Local Hire Program
Meeting Notes – 2/12/16

Participants

Maggie Sayles, MTED
Tom Weber, MSP/EMHSD
Brianna Briggs, MSP/EMHSD
Zach Baker, MSP/EMHSD
LTC Seeley, National Guard
Alisha Tate-Nadeau, FEMA
Jason Gamble, FEMA
Jeannie Moran, FEMA

Notes

Workforce Innovation and Opportunity Act (WIOA)
National Dislocated Worker Grant/National Emergency Grants

- Handles the humanitarian effort to include training, workforce money for unemployed, temporary work assignments
- Grant funding could be used to support attire, equipment leases, etc.
- Should be thinking about apprenticeships and training for positions that could turn into long-term hiring
- Timeline - USDOL has indicated, with the Presidential Declaration, turnaround could be as quick as 48 hours
- TEGL 2-15 is the guidance document
- Training and background checks could be paid under the grant
- Maximum award? – No indications there is a maximum
    - Estimates put us around at least $12 million, potentially $15 million (additional asks can be made as needs arise)

Who can be the employer of record?

- It can be NGO or a governmental entity (city or county)
- Employer of record would write paychecks
- MI Works would provide case management to employees

****Need to identify at least one employer of record (very important next step)**

- Maggie to provide a list of criteria we could use when approaching potential employers to provide details on what this would entail (would be based on the Fair Labor Standards Act)
- No matter who the employer of record is, the employee should be working closely with MI Works
- Could have multiple employers of record, if needed

General MI Works Information

- Often Workforce Development Agency has a work/school based employment
    - 35 hours work, 5 hours school (training/work enhancement opportunities), generally
- LTC Seeley will provide Maggie with information for the Youth Conservation Corps
    - Could potentially fit as one employer of record
    - Focuses on youth hires (16-24 years of age)
    - Would hire locally in Flint
- Other grants currently being used by MI Works could be realigned to assist in the short term in getting people out there doing some of this work
- They initially pull from people they already have signed up for work opportunities, particularly with special skills.
- MI Works (GST Works – locally) has space in their facility near downtown that could be used for training or meeting space for these operations

**Need to work on list of jobs with descriptions (FEMA and Brianna are putting together based on COAs)

- MI Works could help determine appropriate pay scale for jobs

Maggie – Research

- Reached out to California (received $18 million previously) and received information
- Reached out to Missouri on Joplin tornado response and received some information from them (MO uses this program fairly regularly now after declared disasters)

**-Action items for MSP/EMHSD

Pastor Ellison, Harris, and Overton,

Below is a list of churches that have volunteered to be Church Distribution Hubs. I had direct contact with the pastors and their point of contacts. I have also conducted site assessments at their facilities.

It was conveyed to them that this initial plan was a collaborative effort, and may change with input from all parties involved.

It was discussed, and agreed that the HUB churches would network with the surrounding churches, and set up their own agreed upon distribution schedule. It was requested that the HUB church provide a list of churches that are obtaining their water from the HUB church. This list can be sent via email to Lt. Roach at Roachb@michigan.gov.

Hopefully this plan will further assist and augment our initiative of getting water to our residents more efficiently.

Request for Water

At this time the Church HUB point of contact is Lt. Roach 517-819-0841. The Church HUB will call and provide the quantity of water, and schedule the delivery time. This should be scheduled at least 24 hours in advance.

Deliveries

The deliveries will be conducted by a Mi DTMB driver, and truck. They have a pallet jack and the capability of moving pallets from their truck to a staging area. If the water needs to be transported to an upper or lower level, there needs to be people to assist off-loading.

Church Distributions

The Church Distribution HUB would be responsible to network with the surrounding churches, and set up a distribution schedule, along with amounts of water needed.

Michigan State Police Points of Contact

Lt. B.J. Roach , Roachb@michigan.gov

Lt. Mark A. Russo Russom2@michigan.gov

CHURCH DISTRIBUTION HUBS

NORTH

Foss Avenue Baptist Church
1159 East Foss Avenue
Flint MI
Pastor Flynn 810-965-1515
Point of Contact: Jackie Scott 810-787-9019

Delivery: 4 pallets starting 2-2-2016 @ 12:30 pm

NORTH WEST

St. Mark Baptist Church
3020 DuPont NE
Flint MI
Pastor Thompson 810-280-9985
Point of Contact: Angie George 810-955-6297/810-234-6609

Delivery: 25 pallets starting 1-29-2016 @ 11:00 am

SOUTH CENTRAL

El-Shaddai Church of God in Christ
920 Walnut
Flint MI
Pastor Steve Hawkins
Point of Contact: Elder Eddie Kennedy 810-513-6762

Delivery: 20 pallets starting 1-29-2016 @ 9:00 am

SOUTH EAST

Grace Emmanuel Baptist Church
3502 Lapeer Road
Flint MI
Pastor Jennings 810-743-3900
Point of Contact: Glenna Gates 810-449-7853

Delivery: 25 pallets starting 1-30-2015 @ 10:00 am

SOUTH

Divine Revelations
902 Huron Street
Flint MI
Pastor Williams 810-931-0310

Delivery: 25 pallets starting 1-30-2016 @ 11:00 am

UPS Shipping Request Consideration

Date of Request:

Requesting Organization Information:

Name of organization that is registered as a 501c3

MANDATORY; How many served – over what period

Explanation of what the requested services will support: Please include # of people served, fed, clothed, sheltered etc. Also include over what time period. Example: ***We will be shipping 500,000 water purification tablets that will provide clean drinking water for 10,000 people for 1 month. (This information is essential for UPS to prioritize in-kind shipments). If left blank, we will have to decline request. Do not list # pallets here, list QTY of Items.***

Requestor information:	
Contact Name:	
Telephone Number:	
Telephone Extension:	
E-mail address:	

Transport Mode Recommended or Required:	
Air, Ocean or Surface:	
Service Requested for Ocean (door to door, door to port, port to door, port to port,	
Service Requested for Air Freight (door to door, airport to door, airport to airport)	

Timing:	
Shipment requested pick-up date:	

Description of commodity being shipped:	
Item(s) description:	
Shipment Characteristics	
Total Shipment Weight and Shipment Value in US$ (specify pounds or kilos and include pallet weight)	
If palletized, Pallet Count and Dimensions (Length, Height, & Width – specify inches or meters)	
If loose, Carton Count and Dimensions (Length, Height, Width & weight – specify inches or meters)	

Special or additional care or attention in handling or stowing i.e., **hazmat or cold chain**	

Pickup Information

Pickup address if local shipment pickup at origin is required:	
Organization Name:	
Contact Name:	
Telephone Number:	
Telephone Extension:	
E-mail address:	
Street Address:	
Room; Floor; Office:	
City:	
State:	
Country:	
Postal Code:	
Additional comments or information:	

Delivery Information

Delivery address if shipment local door delivery is required:	
Organization Name:	
Contact Name:	
Telephone Number:	
Telephone Extension:	
E-mail address:	
Street Address:	
Room; Floor; Office:	
City:	
State:	
Country:	
Postal Code:	
Additional comments or information:	

Additional Options available:

Are you a UPS Customer	
Do you have a UPS Shipping Account? If so, please provide account number (six digit # *combination of alpha and numeric* characters)	
Would you be interested in setting up UPS discounted shipping program for your domestic and international small package needs, designed specifically for non-profits?	

Please Note that other information such as an invoice PDF and a Shipper Declaration PDF will also be required if your In-Kind request is approved. Please be ready to supply these documents.

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Long-Term Distribution COA Facts & Assumptions

Facts

- Move from State to ??? distribution method
- EM Dec expires 14 Apr 16
- Distro COAs included faith based
- DEQ 3rd party H2O safe
- FEMA provide H2O 90 day
- FEMA 3 commodities
- One filter in every residence
- State engaged – high level
- Stewardship {reports, oversight}
- Restore Confidence in Govt F S L

Assumptions

- Move to long term distribution plan in 2-4 weeks
- Move State Distribution
- Distro command defined as
  - H2O filters
  - H2O Cartridges
  - Pitchers
  - H2O Pods
- ***State will maintain commodities past 90 days?**
  - **Does state want to prepurchase commodities other than water?**

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Long-Term Distribution COA Criteria

- **Ease of Sustainability (5)**
  - **Must be sustainable for a year or longer with no disruption of service to the affective population. (less is better=fewest days of disruption)**
- **Ease of Implementation (5)**
  - **Time and effort to operationalize COA (less is better=least amount of time and effort)**
- **Cost (1)**
  - **Ability to implementation and sustain (less is better=fewer $$$)**
- **Public Perception (3)**
  - **Public has confidence in the long term distribution plan (less is better=measured as # of negative social media posts)**
- **Survivor Centric (4)**
  - **Most convenience to population (less is better = distance and available hours to pop)**

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Long-Term Distribution COA Evaluation

		COA				
Factor	Weight	1	2	3	4	5
Sustainable	5	10	25	16	6	18
Implementation	5	8	18	15	13	11
Cost	1	15	10	13	21	19
Public Perception	3	14	12	8	15	7
Survivor Centric	4	12	14	13	8	14
	Unweighted	59	79	65	63	69
	Weighted	195	317	244	193	241
	Ranking	2	5	4	1	3

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Long-Term Distribution COA #1

- One Point of Distribution (POD) per ward
- IS26 Compliant Use IC26 checklist to ID Locations
- Staffing minimum of 9 per pod for 81 PAX
- Location based upon
  - Fixed Location (parking lots)
  - Utilize semi/box truck w/just in time commodities
  - Parking lot next to bus route &/or transportation route
- Full Service H2O, Filters, cartridges, test kits (only advertise H2O, cartridges and test kits) + recycling
- Rapid response to 211 calls one 16' penskes with 2 pax per POD to address vulnerable population in this COA
  - approx. 3000 question of how many are mobile
  - Potential existing homecare assist delivery
  - Some in assisted living and addressed there.
- This COA will likely be supplemented with faith and community based distribution centers

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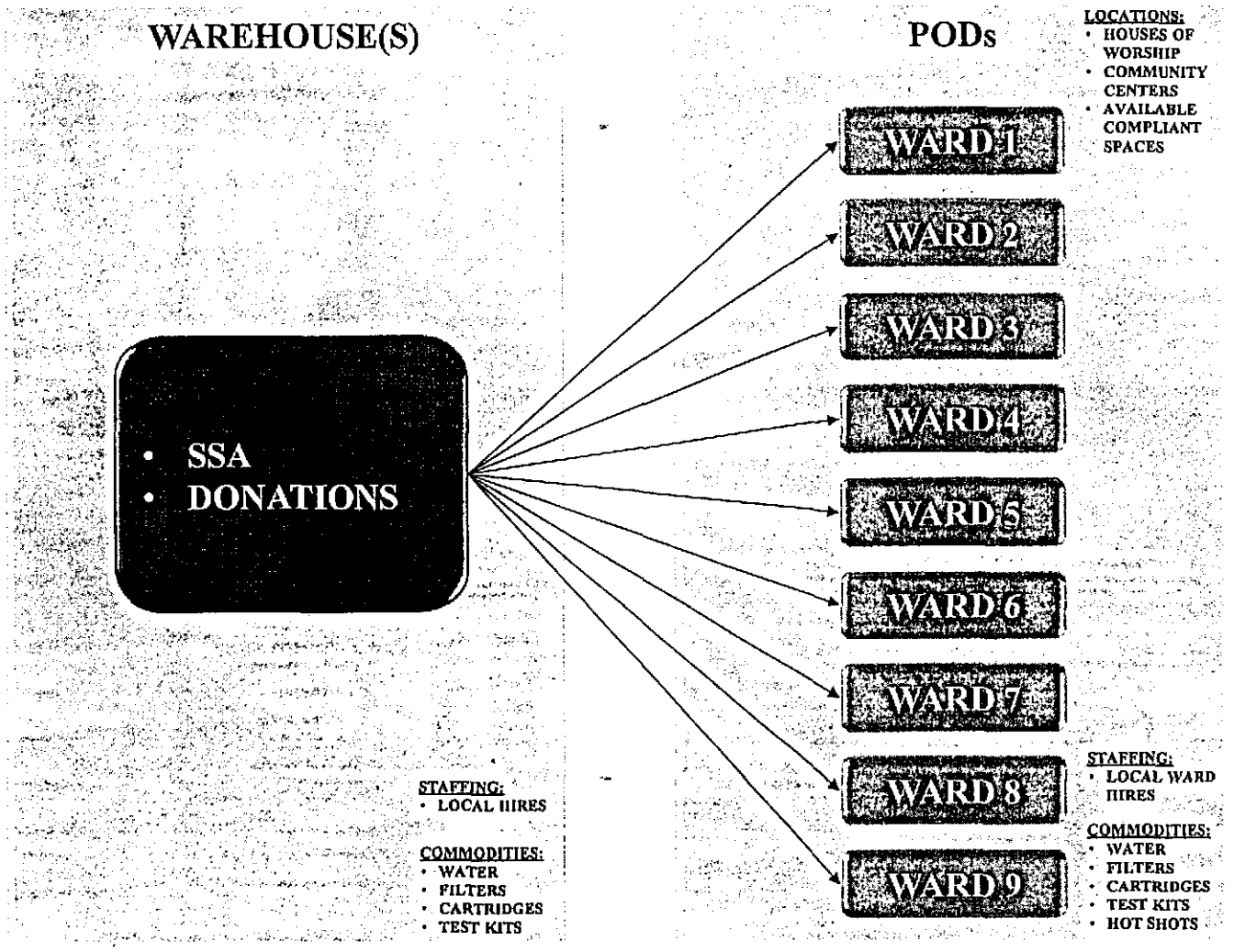
Long-Term Distribution COA #1



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Long-Term Distribution COA #1 Talking Points

STRENGTHS

- JUST-IN-TIME DELIVERY
- EFFICIENT, DEVELOPED, AND PROVEN SYSTEM
- ACCOUNTABILITY OF RESOURCES
- EFFICIENT
- EASILY LOCATED
- ABILITY TO HAVE ACCURATE BURN RATES
- FOLLOWS FEMA-APPROVED GUIDELINES
- BUY IN ALL LEVELS OF GOVERNMENT
- ON-LINE TRAINING (EMI-IS)
- SCALABLE FLEXIBLE
- BRIDGING STRATEGY USING NG & VOLUNTEERS W/IN LESS THAN 7 DAYS
- WARD BASED
- ROLE FOR FAITH BASED ORGANIZATIONS
- SUSTAINABLE LOCAL JOBS FOR 12 MONTHS
- PROVEN DISTRIBUTION STATEGY
- # OF LARGE SITES TO PICK FROM
- STIMULTATE FLINT ECONOMY
- ON BUS/TRANSPORTATION ROUTES
- NO PREDETERMINED SITES
- COUNCILMEN ACTIVE PARTNERS

RISKS

- POLITICAL RAMIFICATIONS
- STAFFING
  - TRAINING
  - RETENTION
  - VETTING

WEAKNESSES

- STAFF RECRUITMENT AND RETENTION
- LOCATION SEARCH
- TRAINING AND CERTIFICATION
- FUNDING AND FUNDING SOURCE
- FINDING SITES FOR DRIVE-THROUGH PODS
- TRACKING OF COMMODITIES
- NO PREDETERMINED SITES
- HIGH COST OF BRIDGING STRATEGY~$1M FOR 71 NG PAX PER MONTH
- *STAFF SCALIBILITY LIMITED TO GRANT*
- UNKNOWN BURNRATE
- WOULD REQUIRE MOU
- FEMA CAN ONLY PURCHASE THRU 14 APR

EQUIPMENT, POLICY, PROCEDURES, ETC.

- *SITE*
- EQUIPMENT
- STAFFING
- ADA COMPLIANCE
- ACCOUNTABILITY SYSTEM
- CREDENTIALING
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS
- CONEX BOXES

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Long-Term Distribution COA #2

- Staffing is utilizing volunteers
- This plan is based on distribution centers to faith based organizations utilizing food bank and Red Cross distribution
- Utilizing one hub in each ward and four sub hubs in each ward.
- Hubs will have all four commodities
- A mobile lead testing clinic twice per week for individuals without insurance at each hub (where receive lead awareness testing, nutrition, and education on lead prevention tips for families
- This COA will likely be supplemented with faith and community based distribution centers
- Sub hubs
  - Recycling center
  - will do water distribution only
  - Transportation to senior citizen complexes in the ward

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Long-Term Distribution COA #2

WAREHOUSE(S)

- SSA
- DONATIONS

HUBS

LOCATIONS:
- HOUSES OF WORSHIP

- WARD 1
- WARD 2
- WARD 3
- WARD 4
- WARD 5
- WARD 6
- WARD 7
- WARD 8
- WARD 9

STAFFING:
- VOLUNTEERS

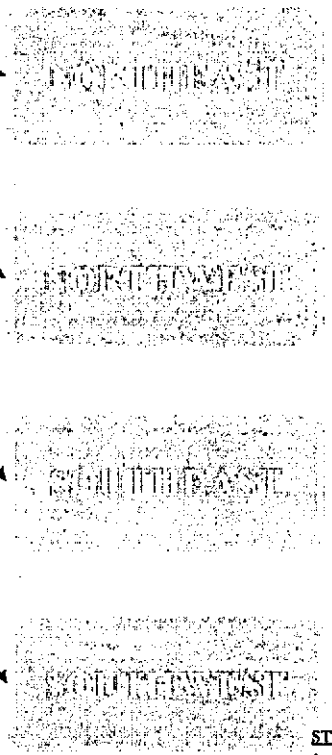
COMMODITIES:
- WATER
- FILTERS
- CARTRIDGES
- TEST KITS

STAFFING:
- VOLUNTEERS

COMMODITIES:
- WATER
- FILTERS
- CARTRIDGES
- TEST KITS

SUB-HUBS

LOCATIONS:
- HOUSES OF WORSHIP



STAFFING:
- VOLUNTEERS

COMMODITIES:
- WATER
- HOT SHOTS

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Long-Term Distribution COA #2 Talking Points

STRENGTHS

- WHOLE COMMUNITY
- ACCESS TO POPULATION
- LARGER GROUP VIABLE PROPERTY
- STATE INVESTMENT AND COMMUNITY ORGANIZED
- COMMUNTY GENERATED PLAN
- NO LABOR COSTS
- INCORPORATES STRATEGIC PARTNERS
- REDUCES TRAVEL TIME FOR RESIDENTS
- SURVIVORS CAN BE VOLUNTEERS

RISKS

- LOCATION SELECTION/AVAILABILITY: QUANTITY OF SITES
- RELIGIOUS SENSITIVITY (Internal discord among interfaith network)
- POLITICAL RAMIFICATIONS (COMPETING POLITIAL INTERESTS)
- APPEARANCE THAT STATE IS WALKING AWAY AND GIVING MISSION TO FAITH BASED
- COMMUNITY BUY IN MAY BE AFFECTED BY DISRUPTIONS TO LOCAL COMMUNITY ACTIVITIES

WEAKNESSES

- STAFFING OF 459 VOLUNTEERS (ABILITY TO SUSTAIN)
- IDENTIFY 45 SUITABLE FACILITIES THAT MEET IS26
- VOLUNTEERS MUST BE TRAINED AND CERTIFIED
- VOLUNTEERS REQUIRE SPECIFIC SKILLS
- BACKGROUND CHECKS REQUIRED FOR RAPID RESPONSE TEAMS
- HOST ORGANIZATION MUST COMPLY WITH VOLUNTARY LABOR LAWS
- LACK OF CONTINUITY IN STAFF
- DIFFICULT TO MAINTAIN A SUPPLY CHAIN ACCOUNTABILITY OF COMMODITIES
- RAPID RESPONSE TEAMS WOULD NEED TO WORK OUT OF HUBS TO GET FILTER, CARTRIDGES, & TEST KITS
- IMPACTS AND FINANCIAL CONCERNS AT CHURCHES/COMMUNITY CENTERS
- POTENTIAL SUDDEN TERMINATION AFFECTS OPERATIONAL STABILITY
- EXCEEDS SPAN OF CONTROL RELATED TO STAFFING AND SITES
- INTERIOR SPACE REQUIREMENTS STORAGE 10X10 CLIMATE CONTROLED ADMIN FOR 2 PAX INTERNET AND PHONE
- DISRUPTION OF COMMUNITY TRAFFIC FLOW
- POTENTIAL SECURITY COSTS
- BRIDGING STRATEGY UTILIZING THE NG IS NOT VIABLE
- LACK OF EQUIPMENT/WEAR AND TEAR
- RELIGIOUS SENSITIVITY

EQUIPMENT, POLICY, PROCEDURES, ETC.

- 45 SITES
- EQUIPMENT LOG LIST
- STAFFING: VOLUNTEER POLICY CONSIDERATIONS
  - AGE, ABILITY
  - INSURANCE
- EBL TESTING IS NOT SUPPORTED BY LOCAL MEDICAL COMMUNITY
- ADA COMPLIANCE
- ACCOUNTABILITY SYSTEM
- CREDENTIALING
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS
  - RENTAL
  - MOU

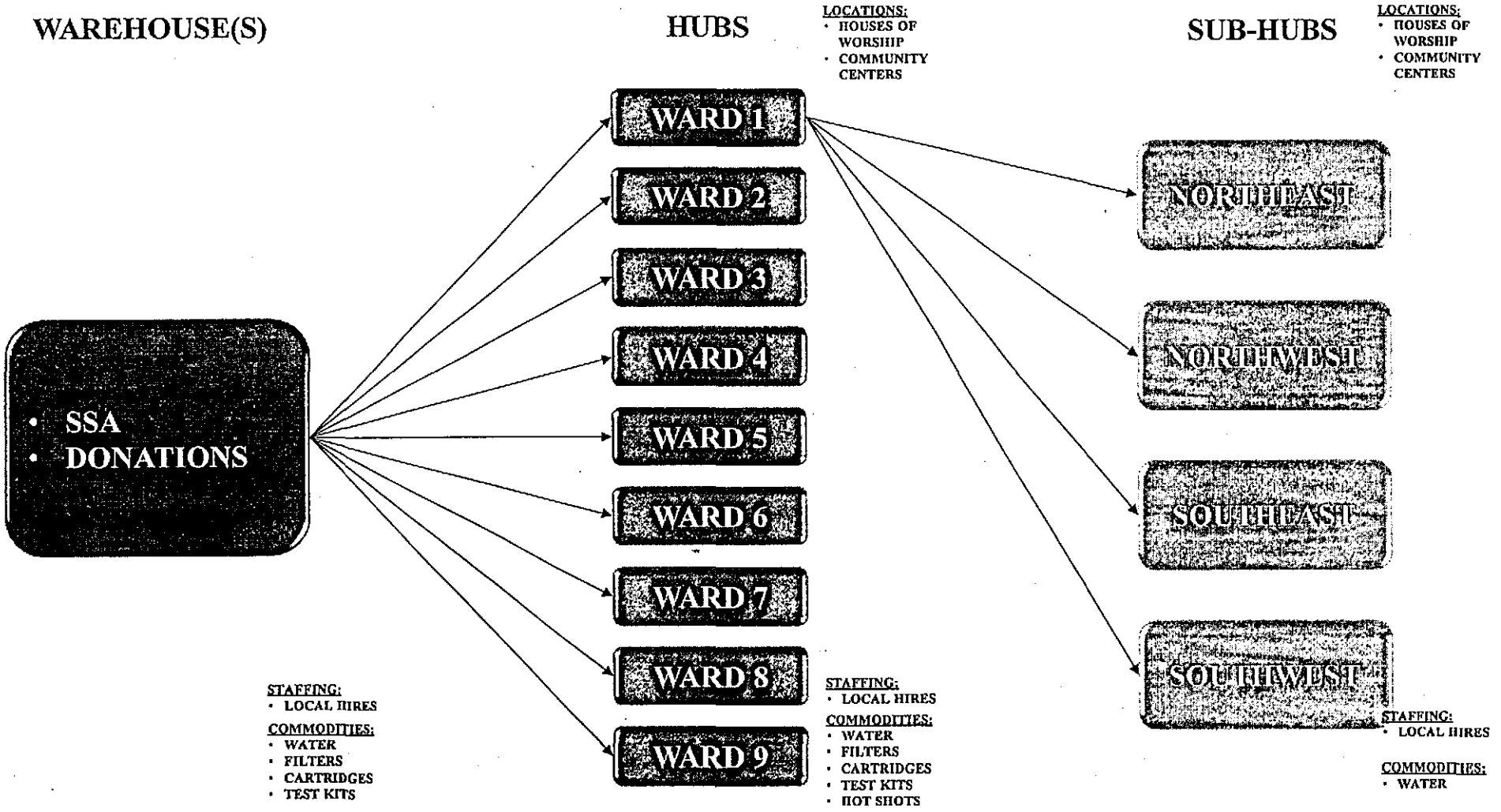
NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #3

- Staffing is hired full and part time
- This plan is based on distribution centers to faith based organizations utilizing food bank and Red Cross distribution
- Utilizing one hub in each ward and four sub hubs in each ward.
- Hubs will have all four commodities
- A mobile lead testing clinic twice per week for individuals without insurance at each hub (where receive lead awareness testing, nutrition, and education on lead prevention tips for families
- This COA will likely be supplemented with faith and community based distribution centers
- Sub hubs
  - Recycling center
  - will do water distribution only
  - Transportation to senior citizen complexes in the ward

NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #3



NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #3 Talking Points

STRENGTHS

- WHOLE COMMUNITY
- SKILLED LABOR POOL
- RELIABLE WORK FORCE
- MONEY STAYS WITHIN COMMUNITY
- ACCESS TO POPULATION
- LARGER GROUP VIABLE PROPERTY
- STATE INVESTMENT AND COMMUNITY ORGANIZED

RISKS

- LOCATION SELECTION/AVAILABILITY
- RELIGIOUS SENSITIVITY
- POLITICAL RAMIFICATIONS
- STAFFING
  - LOCAL HIRING
  - TRAINING
  - RETENTION
  - VETTING
- APPEARANCE THAT STATE IS WALKING AWAY AND GIVING MISSION TO FAITH BASED
- POTENTIAL CHANGING COMMUNITY CONCERNS

WEAKNESSES

- STAFFING OF 459 EXCEEDS GRANT CAPACITY (~200)
- FINDING 45 SUITABLE FACILITIES
- TRAINING AND CERTIFICATION
- FUNDING SOURCE
- CONSISTANCY
- ACCOUNTABILITY OF COMMODITIES
- HOW DO RAPID RESPONSE TEAMS GET FILTER, CARTRIDGES, & TEST KITS WORKING FROM SUB HUBS
- IMPACTS AND FINANCIAL CONCERNS AT CHURCHES/COMMUNITY CENTERS
- POTENTIAL SUDDEN TERMINATION
- EXCEEDS SPAN OF CONTROL
- INTERIOR SPACE REQUIREMENTS STORAGE 10X10 CLIMATE CONTROLED ADMIN FOR 2 PAX INTERNET AND PHONE
- DISRUPTION OF COMMUNITY TRAFFIC FLOW
- POTENTIAL SECURITY COSTS

EQUIPMENT, POLICY, PROCEDURES, ETC.

- SITES
- EQUIPMENT
- STAFFING
- ADA COMPLIANCE
- ACCOUNTABILITY SYSTEM
- CREDENTIALING
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS

NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #4

- Direct delivery for filters, cartridges, and pitchers,
- PODS water only and recycling
- Rapid Response could use one per Ward
- Designated Officials will arrange pickup for Franchise customers from SSA
- DTMB would issue request for proposals (RFP) for direct delivery of the three commodities
- Tracking and protection of PII is responsibility of contractor
- Write RFP to incorporate an upper limit per household per month
- State to provide addresses
- This COA will likely be supplemented with faith and community based distribution centers
- Distribution Model
  - FEMA procured commodities delivered to SSA
  - Vender assumes commodities at SSA
  - PODs in each of 9 ward using IS26 protocol for water distribution only

NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #4 Talking Points

STRENGTHS

- TURN KEY FOR THREE COMMODITIES
- IMPROVED EFFICIENCIES , ACCOUNTING AND TRACKING
- FLEXIBLE AND RESPONSIVE
- CONVIENENT/SURVIVOR CENTRIX
- INDIVIDUAL AGENCY PREEXISTING COMPETENCIES MAXIMIZED
- MEETS ALL IS26 STRENGTHS
- AS DEMAND FOR H2O DECREASES ALLOWS A TRANSITION TO COMMUNITY LED H2O PODS

RISKS

- LOCATION SELECTION/AVAILABILITY
- POLITICAL RAMIFICATIONS
- CONTRACTOR PERFORMANCE
- STAFFING OF PODS
  - INCREASES
  - FUNDING
  - TRAINING
  - EQUIPMENT

WEAKNESSES

- COST
- DUPLICATION OF EFFORT
- UNKNOWN BURNRATE
- WOULD REQUIRE MOU FOR PODS
- NO PREDETERMINED SITES FOR PODS
- TIME REQUIREMENTS TO START
- INCREASED POSSIBILITY FOR RETAIL FRAUD

EQUIPMENT, POLICY, PROCEDURES, ETC.

- SITE
- EQUIPMENT
- STAFFING
- ADA COMPLIANCE FOR WATER PODS
- ACCOUNTABILITY SYSTEM
- CREDENTIALING FOR PODS & RAPIDS RESPONSE TEAMS
- BACKGOUND CHECKS FOR RAPIDS RESPONSE TEAMS
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS

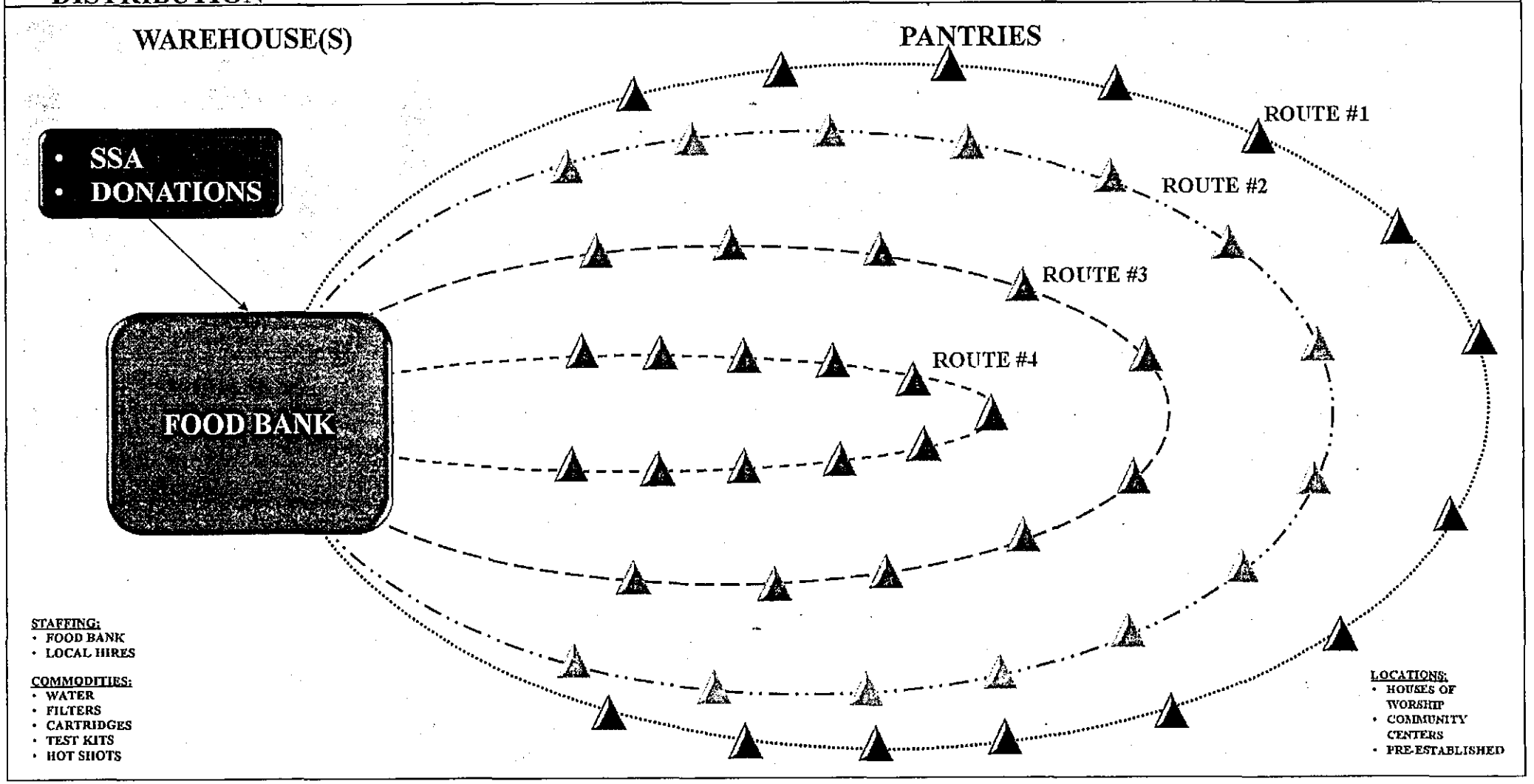
NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #5

- Expands on Food Bank (FB) distribution model
- Expand on existing four routes per week
- Contract with Food Bank of Eastern Michigan for distribution services
- 86 existing pantry locations
- Utilizes existing community partners
- Staffing would be based upon current FB staffing model
- All four commodities at every site
- Mix of paid and volunteer staffing

NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #5



NOT FOR FURTHER DISTRIBUTION

Long-Term Distribution COA #5 Talking Points

STRENGTHS

- RAPID EXECUTION AFTER GRANT IS SIGNED
- COMMUNITY BASED
- TRACKING SYSTEM TO PANTRIES
- GOVERNMENT AND NGO BOTH HAVE ROLES
- HIRED WORKFORCE
  - *SUPLEMENTED WITH VOLUNTEER AND FAITH-BASED*
- WELL DISTRIBUTED
- PRE-ESTABLISHED LOGISTICS SYSTEM (FOOD BANK ROUTES)
- EXPANSIVE CONNECTION TO PANTRIES
- ALREADY SELECTED SITES

RISKS

- LOCATION SELECTION/AVAILABILITY
- POLITICAL RAMIFICATIONS
- STAFFING
  - INCREASES
  - FUNDING
  - TRAINING
  - EQUIPMENT

WEAKNESSES

- RECRUITMENT OF VOLUNTEERS
- ROUTE ADJUSTMENTS (WILL EACH WARD BE REPRESENTED?)
- IMPACTS TO CURRENT BUSINESS PLAN
- FUNDING SOURCE
- LARGE NUMBER OF LOCATIONS
- CAPACITY/CAPABILITIES (SUITABILITY OF FACILITIES)
- NUMBER OF DELIVERY VEHICLES
- RESTOCKING PROCEDURES FOR PANTRIES
- ACCESSABILITY (ADA, HOURS, TRAFFIC)
- ACCURATE BURN-RATE (LITER/CASES VS POUNDS)
- COMMODITY SOURCE TRACKING MECHANISM TO HOUSEHOLDS
- LOSE CONTROL OF HOURS OF OPERATION AND LOCATION
- TIME FOR RFP PROCESS
- UNKNOWN TOTAL COST
- NOT EVENLY DISTRIBUTED
- UNKNOWN EQUIPMENT STAFFING MODEL, RFP SPACE, INTEREST
- UNKNOWN IF THEY WILL DELIVER CARTRIDGES/FILTERS

EQUIPMENT, POLICY, PROCEDURES, ETC.

- SITE
- EQUIPMENT
- STAFFING
- ADA COMPLIANCE
- ACCOUNTABILITY SYSTEM
- CREDENTIALING
- SKILL-SETS AND TRAINING
- MIOSHA
- USER AGREEMENTS

QUESTIONS

- What is limitation on sites usage i.e churches?
- Are they waivable?
- Max number of personnel support?
- How much advance notice?

Potential Local Hire Program
Meeting Notes – 2/12/16

Participants

Maggie Sayles, MTED
Tom Weber, MSP/EMHSD
Brianna Briggs, MSP/EMHSD
Zach Baker, MSP/EMHSD
LTC Seeley, National Guard
Alisha Tate-Nadeau, FEMA
Jason Gamble, FEMA
Jeannie Moran, FEMA

Notes

Workforce Innovation and Opportunity Act (WIOA)

National Dislocated Worker Grant/National Emergency Grants

- Handles the humanitarian effort to include training, workforce money for unemployed, temporary work assignments
- Grant funding could be used to support attire, equipment leases, etc.
- Should be thinking about apprenticeships and training for positions that could turn into long-term hiring
- Timeline - USDOL has indicated, with the Presidential Declaration, turnaround could be as quick as 48 hours
- TEGL 2-15 is the guidance document
- Training and background checks could be paid under the grant
- Maximum award? – No indications there is a maximum
    - Estimates put us around at least $12 million, potentially $15 million (additional asks can be made as needs arise)

Who can be the employer of record?

- It can be NGO or a governmental entity (city or county)
- Employer of record would write paychecks
- MI Works would provide case management to employees

****Need to identify at least one employer of record (very important next step)**

- Maggie to provide a list of criteria we could use when approaching potential employers to provide details on what this would entail (would be based on the Fair Labor Standards Act)
- No matter who the employer of record is, the employee should be working closely with MI Works
- Could have multiple employers of record, if needed

General MI Works Information

- Often Workforce Development Agency has a work/school based employment
    - 35 hours work, 5 hours school (training/work enhancement opportunities), generally
- *LTC Seeley will provide Maggie with information for the Youth Conservation Corps*
    - Could potentially fit as one employer of record
    - Focuses on youth hires (16-24 years of age)
    - Would hire locally in Flint
- Other grants currently being used by MI Works could be realigned to assist in the short term in getting people out there doing some of this work
- They initially pull from people they already have signed up for work opportunities, particularly with special skills.
- MI Works (GST Works – locally) has space in their facility near downtown that could be used for training or meeting space for these operations

**Need to work on list of jobs with descriptions (FEMA and Brianna are putting together based on COAs)

- MI Works could help determine appropriate pay scale for jobs

Maggie – Research

- Reached out to California (received $18 million previously) and received information
- Reached out to Missouri on Joplin tornado response and received some information from them (MO uses this program fairly regularly now after declared disasters)

**-Action items for MSP/EMHSD

Donations Management Template

Developed by

Adventist Community Service

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ACS has a Statement of Understanding with the Federal Emergency Management Agency (FEMA) and the American Red Cross to provide donations management assistance in times of disaster. ACS has donations management teams available for deployment to support federal, state, local, and tribal agency operations. National subject matter experts are also available to assist during all phases of the disaster cycle.

The template that follows is a suggested starting point for the development of an agreement with ACS to provide donations management support. The attached basic needs list is intended to be adapted based on the type, scale, scope, and particular circumstances of each disaster.

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(This initial page need not be included in the final written agreement.)

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The State/County of _____ and
Adventist Community Services

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Activation

Following a state/local disaster, if the s/c determines that assistance is needed to process donated goods, s/c will submit a request for support to ACS. It is understood that ACS will respond based upon its capacity and resources at the time of the event. At the same time, it is understood that ACS will make every good faith effort to respond given both its regional and national disaster response network.

General Terms of Agreement

Due to both its previous disaster experience managing donated goods and warehouse expertise, ACS is the pre-designated lead agency with s/c for managing large amounts of donated goods following a disaster event. This may include the collecting, sorting, warehousing, and distributing of donated goods.

In an effort to provide support and stability to community-based voluntary agencies distributing donated goods, s/c and ACS agree to the following:

ACS Agrees to:

1. Provide management of a multi-agency warehouse, when needed, and supervise volunteers in receiving, inventorying, sorting, packing, and shipping donated goods.
2. Assist s/c in locating and evaluating a facility to be utilized for warehouse operations.
3. Utilize existing relationships to secure donations of any equipment, supplies, and services needed to support operations; otherwise, s/c will provide the necessary material support.
4. Make goods available to local organizations that are distributing goods and are recognized/approved by s/c.
5. Will provide access to the most current warehouse inventory for FEMA, State, Local, and/or Tribal officials.
6. Incorporate community volunteers to assist with donations management operations as needed.
7. Maintain and report to s/c daily volunteer hours for each operation location.
8. Will turn over operations to local volunteer organizations when they are able to assume and accept this responsibility if needed.
9. Will provide a liaison, when available, to the Emergency Operations Center if requested.
10. Will participate as a member of the s/c Donations Coordination Team.
11. May provide management and operation of distribution sites and/or mobile distribution if needed and when personnel are available.
12. Keep s/c informed of ongoing ACS donations management operations.
13. Assist s/c with operations required to process or dispose of unwanted donations.
14. Make necessary purchases upon receiving written authorization from s/c. These purchases will be in compliance with s/c procurement policy for purchasing such items.

15. Provide workers compensation and/or liability insurance for all ACS employees and registered ACS volunteers. These individuals shall not be considered employees of s/c for the purposes of third party tort claims or personal injury.

s/c Agrees to:

1. Notify ACS of Donations Management Branch activation so that ACS may provide donations management support to s/c.
2. Locate a mutually agreeable site for ACS to set up a multi-agency warehouse if the event requires such a facility.
3. Serve as the responsible party for any costs associated with the opening and operating of the multi-agency warehouse (i.e., lease or rental and utility expenses).
4. Provide all equipment, supplies, services, and software necessary for ACS to run multi-agency warehouse operations (see Attachment 1 for a list of basic warehouse needs). Both s/c and ACS will attempt to fill many of these resource/equipment needs through donations.
5. Provide a liaison to ACS from s/c government.
6. Provide ACS with a list of approved entities to receive donations, including those relief organizations that will act as distribution sites for donated goods.
7. Provide transportation as required by ACS to move donated goods.
8. Provide additional personnel/volunteers, as needed, to support ACS personnel at the multi-agency warehouse.
9. Provide a seat for ACS with the s/c section of the s/c EOC.
10. Invite ACS to participate as a member of the s/c Donations Coordination Team.
11. Reimburse travel, lodging, and per diem expenses for ACS management personnel involved in support of s/c, based on proper and sufficient receipts or other supporting documentation provided by ACS to verify expenses. Lodging, per diem, and mileage will be reimbursed at the s/c rate which will be outlined to ACS at the onset of operations.
12. Provide necessary forms and guidelines necessary to receive reimbursement for expenses.
13. Identify to ACS to whom necessary documents should be submitted to receive reimbursement.
14. Provide ACS with regular situation updates on the status of incoming donations and current identified needs for donations.
15. Allow ACS to retain its own identity and follow its own internal management principles, processes, and procedures during disaster operations.

Notices and Communications

All written communications sent by the parties may be by U.S. mail, email, or fax and shall be addressed as follows:

To s/c:
Name
Title
Agency
Address
Telephone
Cell Phone
Fax
Email

To ACS:
Name
Title
Organization

Address
Telephone
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Email

Each party agrees to provide to the other party, in a timely fashion, updated information should there be a change in their primary point of contact.

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The term of this agreement shall be from _____ through _____, and may be extended by mutual agreement of the parties. The parties shall review the terms of this Agreement annually, and may modify this agreement at any time by written amendment executed by both parties.

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This agreement may be terminated by either party with 30 days advance written notice to the other party.

Signatures

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Date: _____	Date: _____

ATTACHMENT 1

BASIC WAREHOUSE NEEDS

Needs may vary and must be evaluated based on the circumstances, scale and scope of each disaster response.

Facility Specifications:

- 100,000 – 250,000 sq. ft.
- 4 or more loading docks (minimum of 2) with dock plates (1 per dock)
- Forklift access between interior and exterior of warehouse
- Office space to accommodate management team
- Personnel support/break area
- Adequate ventilation and climate control
- Indoor lighting
- Outdoor lighting if night operations are anticipated
- Toilets and sinks
- Safety shower & eye wash station (preferred)
- Showers (preferred)

Utilities/Services:

- Land line or generated electrical power
- Potable water and sanitation
- 6 Phone lines (4 lines rollover) (cell phones may be considered)
- 2 Fax lines
- High speed internet access for 10 devices
- 30-40 cubic yard dumpster with on demand emptying service

Transportation:

- 2 Box trucks with driver, fuel, and lift gate for use in distribution

Equipment:

- 4 Propane forklifts with 6 extra propane tanks and refilling contract (specifications to be determined once warehouse facility is identified)
- 4 Pairs wheel chocks (minimum 1 pair per loading dock)
- 6 Pallet jacks
- 6 Hand trucks (2 appliance, 4 convertible)
- 2 Pallet pullers with chains
- 6 Desks
- 6 Rolling office chairs
- 6 Computers with necessary software (minimum 2 laptops)
- 2 Multi-function printer, copier, fax, and scanner machines with extra toner/ink cartridges
- 6 4-Line phones with hold, forward, speaker, and headset capability
- 4- or 5-Drawer locking file cabinet
- 10 6' folding tables
- 20 4'x8'x 3/4" Sheets of plywood and 40 sawhorses (or equivalent number of 8' folding tables for use as sorting tables)
- 30-35 Folding chairs
- Multi-purpose fire extinguishers (number as required by local jurisdiction)
- 10 Communication radios
- 2 Weather alert radios
- 2 Electric Golf Carts (at least one with cargo box)

Supplies:

- 200 Pallets per week (number may vary with activities)
- 100 double or triple wall pallet/Gaylord boxes (re-order capability)
- 1000 Boxes (200 small, 600 medium, 200 large) (re-order capability)
- 24 Rolls 15"x1500' stretch wrap (re-order capability)
- 2 Stretch wrap handles
- 9 Tape guns
- 9 Cases 2" packing tape (re-order capability)
- 6 Rolls yellow caution tape
- 2 Dozen retractable box knives with extra blades
- 6 30-40 Gallon trash cans
- 6 Wastebaskets
- 2 Push brooms
- 2 Dustpans
- 1 Mop
- 1 Mop bucket
- 1 Basic first aid kit
- Office supplies:
  - 2 4'x8' White boards
  - 12 Stackable letter trays
  - 1 Case copy paper
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  - 1 3-Hole paper punch
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  - 2 Tape dispensers
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  - 6 Boxes regular paper clips
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Hub Based

This is a collaborative effort, and may change with input from all parties involved.

- What do we want to do?
- Who is responsible for doing it?
- How do we communicate with each other?
- What is the procedure?

Work SMART:
Safe – Keep our community safe! Let our police and fire fighters protect and serve us!
Measurable – How will achievements be measured?
Action Oriented – Is an action verb used to describe expected accomplishments?
Realistic – Is the outcome achievable with given available resources?
Time Sensitive – What is the timeframe?

HUB churches will network with surrounding churches and establish agreed upon distribution schedules.

HUB churches will provide the list of churches that will obtain their water from the HUB church. This list will be sent to Lt. Roach at Roachb@michigan.gov.

Each ward will have one central church to be the Hub for water distribution for that area/ward. Within that ward will be the 3 sub-Hubs that will provide services to that area. Each hub will have the following:

- Loaders (National Guard/Sheriff work detail)
- Admin (Address look-up to direct you to your nearest hub)
- Water
- Water filters/replacement cartridges
- Home water test kits
- Provide mobile lead testing clinic, twice a week for individuals without insurance. The mobile clinics will ONLY be at the ward hubs. There will be no door to door clinics. Once tested, residents will receive a lead awareness nutrition booklet which will provide education on lead prevention tips for families.
- Recycling center for the empty water bottles will be placed at all 9 ward hubs.

Current Burn Rates at Fire Station PODs

Location	Pallet Capacity	Burn Rate
Station 3	29	2,404 cases/day
Station 6	25	2,362 cases/day
Station 8	35	2,299 cases/day
Station 1	22	2,248 cases/day
Station 5	30	1,663 cases/day (industrial area and no drive through limit distribution)

Logistic Requirements

Warehouse

- Drivers

- Trucks 9- 20' or longer, 1 electric pallet jack, lift gate
- Trucks 16' Penske for Rapid Response Calls, lift gate
- 5 electric pallet jacks
- 6 manual pallet jacks
- 3 forklifts
- 1 laptop, 1 phone, 1 printer, office supplies
- Packing tape, shrink wrap, dispensers, cardboard pallet boxes to stabilize stacks of water
- 23 staff/100,000 sq. ft. warehouse
- Drivers for vehicles over 26k lbs require CDL
- *Forklift operators must be certified.*
- Pallet sizes 40x48
- Box cutters, side snips, etc to break down pallets and packing material
- Disposal arrangements

PODs

- *Loading dock or level sidewalk with smooth transition to storage area for pallet jack operation*
- Manual and/or electric pallet jack
- If storage areas are not indoors, an outdoor forklift or skyjack would be required.

Requests for Water

- The Hub point of contact is Lt. B.J. Roach 517-819-0841.
- *Hubs will call at least 24 hours in advance to provide the quantity of water needed, and schedule a delivery time.*

Deliveries

- Deliveries will be conducted by a MI DTMB driver, and truck.
- They have a pallet jack and the capability to move pallets from the truck to the staging area.
- If the water needs to be transported to an upper or lower level, Hub staff or volunteers will need to be available to help off-load.
- *MTA has committed to assisting with distribution.*

Church Distributions

- Hubs will network with and recruit surrounding churches and organizations to support as neighborhood PODs.
- Hubs will work with PODs to establish distribution schedules, including amounts of water needed.

Michigan State Police Points of Contact

Lt. B.J. Roach 517-819-0841, Roachb@michigan.gov Lt. Mark A. Russo 616-299-9312, Russom2@michigan.gov

EXISTING CITY DISTRIBUTION POINTS

Existing distribution points are listed on the attached spreadsheet

CHURCH DISTRIBUTION HUBS

NORTH
Foss Avenue Baptist Church
1159 East Foss Avenue, Flint MI
Pastor Flynn 810-965-1515
Point of Contact: Jackie Scott 810-787-9019
Delivery: 4 pallets starting 2-2-2016 @ 12:30 pm

NORTH WEST
St. Mark Baptist Church
3020 DuPont NE, Flint MI
Pastor Thompson 810-280-9985
Point of Contact: Angie George 810-955-6297/810-234-6609
Delivery: 25 pallets starting 1-29-2016 @ 11:00 am

SOUTH CENTRAL
El-Shaddai Church of God in Christ
920 Walnut, Flint MI
Pastor Steve Hawkins
Point of Contact: Elder Eddie Kennedy 810-513-6762
Delivery: 20 pallets starting 1-29-2016 @ 9:00 am

SOUTH EAST
Grace Emmanuel Baptist Church
3502 Lapeer Road, Flint MI
Pastor Jennings 810-743-3900
Point of Contact: Glenna Gates 810-449-7853
Delivery: 8 pallets starting 1-30-2015 @ 10:00 am

SOUTH
Divine Revelations
902 Huron Street, Flint MI
Pastor Williams 810-931-0310
Delivery: 25 pallets starting 1-30-2016 @ 11:00 am

Neighborhood PODs
Neighborhood PODs are listed on the attached spreadsheet.

Filter Distribution Plan

- Consider a plan of installing whole house filters in each customer household to alleviate questions about bathing and to reduce the time frame between cartridge replacements.

- Consider a plan with City to eliminate billing for a pre-determined period to encourage flushing of the system and reduction of latency.

- The community would like to be able to continue to make all resources available at all PODs.

    - Source: Mayor's office; Catholic Charities; United Way; Concerned Pastors; and Food Bank of Eastern Michigan

- Continue Rapid Response/home delivery for Functional Needs households and individuals.

    - 2-1-1, Local EOC, American Red Cross, and UPS
    - UPS has indicated they would like to assist with this. They are coordinating a conference call with their local operations to facilitate this.

- Provide stock in bulk to Catholic Charities and Food Bank (and other partners as identified).

    - CC and FBEM coordinating with SOM warehouse
    - The state would continue to distribute filters, with the assistance of UPS (conference call pending), to Rapid Response calls. This eliminates the need for Food Bank or Catholic Charities to track addresses.

- Maintain Fire Station PODs until community hubs and PODs are running adequately or demand at each POD is below 250 cases per day.

- Investigate possibility of a debit card or voucher system for people to obtain commodities at area stores.

    - MDHHS will identify costs with DTMB.
    - Planning Consideration – MOUs needed with vendors to supply the appropriate cartridges and maintain minimum stock.
    - Same stores would have "gift" card. Card is loaded periodically with specific commodity codes.

- Maintain availability of resources at PODs until daily burn rates are below 250 cases per day, and devolve operation to next higher POD/Hub.

- Once demand is below 250 cases per day, maintain availability of commodities in the Hubs and Rapid Response teams until the EPA, DEQ, and independent monitoring indicate the water is safe in all areas and any addresses that are an exception have an intervention/repair of infrastructure in place.

Hub Based

This is a collaborative effort, and may change with input from all parties involved.

- What do we want to do?
- Who is responsible for doing it?
- How do we communicate with each other?
- What is the procedure?

Work SMART:
Safe – Keep our community safe! Let our police and fire fighters protect and serve us!
Measurable – How will achievements be measured?
Action Oriented – Is an action verb used to describe expected accomplishments?
Realistic – Is the outcome achievable with given available resources?
Time Sensitive – What is the timeframe?

HUB churches will network with surrounding churches and establish agreed upon distribution schedules.

HUB churches will provide the list of churches that will obtain their water from the HUB church. This list will be sent to Lt. Roach at Roachb@michigan.gov.

Each ward will have one central church to be the Hub for water distribution for that area/ward. Within that ward will be the 3 sub-Hubs that will provide services to that area. Each hub will have the following:

- Loaders (National Guard/Sheriff work detail)
- Admin (Address look-up to direct you to your nearest hub)
- Water
- Water filters/replacement cartridges
- Home water test kits
- Provide mobile lead testing clinic, twice a week for individuals without insurance. The mobile clinics will ONLY be at the ward hubs. There will be no door to door clinics. Once tested, residents will receive a lead awareness nutrition booklet which will provide education on lead prevention tips for families.
- Recycling center for the empty water bottles will be placed at all 9 ward hubs.

Current Burn Rates at Fire Station PODs

Location	Pallet Capacity	Burn Rate
Station 3	29	2,404 cases/day
Station 6	25	2,362 cases/day
Station 8	35	2,299 cases/day
Station 1	22	2,248 cases/day
Station 5	30	1,663 cases/day (industrial area and no drive through limit distribution)

Logistic Requirements

Warehouse

- Drivers

- Trucks 9- 20' or longer, 1 electric pallet jack, lift gate
- Trucks 16' Penske for Rapid Response Calls, lift gate
- 5 electric pallet jacks
- 6 manual pallet jacks
- 3 forklifts
- 1 laptop, 1 phone, 1 printer, office supplies
- Packing tape, shrink wrap, dispensers, cardboard pallet boxes to stabilize stacks of water
- 23 staff/100,000 sq. ft. warehouse
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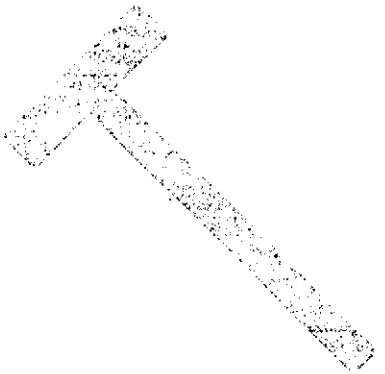

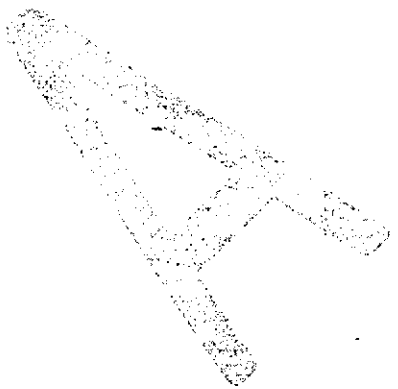

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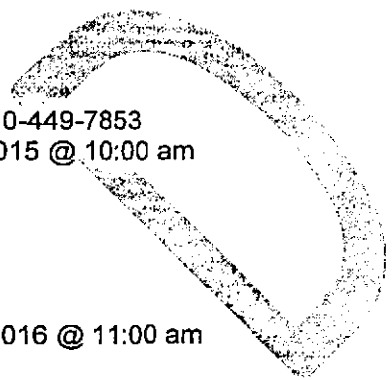

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Draft Flint Water Operations Plan
January 23, 2016

The emergency response to the Flint water crisis is an "all-in" mission and will involve several operations: Initial Distribution; a Surge, Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery.

Dates given in this draft plan are all subject to the agreement of all parties.

Metrics are intended to be SMART: (Specific, Measurable, Achievable, Realistic, and Time-bound).

Volunteer Expansion

The Flint Community Water Crisis Response Meetings will provide critical guidance this plan. The input received and the plan are a cooperative "whole community" effort that will provide the opportunity for all involved parties to provide input to the process, including the residents, local charities and non-governmental organizations, the city, the county, and the state. An initial working group comprised of the Food Bank, Catholic Charities, American Red Cross, 2-1-1, United Way, and local and state emergency management staff will develop and implement these initial strategies for long-term distribution of filters and filter cartridges by the target date. As operations stabilize within this Volunteer Expansion, additional working groups will be formed to address specific missions.

- Goal – Transition to full coverage and streamlined processes.
  - Metric – One year of availability and supply of water and other commodities to every household and franchise customer.
- Develop messaging for the transition to volunteer and community based distribution of water, filters, and cartridges.
- Identify statistical trends in the Fire Station PODS and transition to more available and locally operated PODs, in locations identified by a data driven strategy, by February 14.
- Provide for smooth transition and soft openings of new PODs as they open.
- Identify water only PODs operated by local non-governmental agencies, faith-based organizations or other volunteer groups.
- Provide public messaging and mapping that makes locating a POD or calling for delivery to vulnerable populations both simple and quick.
- Utilize multiple methods of public communication; e.g., reverse 9-1-1, robo-calls, Nixle, Facebook, backpack notes, etc. Strategies will be coordinated with 2-1-1.
- Continue to collect and analyze all available geospatial and demographic data to identify needs and hot spots (and identify successes).
- Identify "Super PODs" that can resource smaller neighborhood PODs and identify their logistical requirements, including credentialing requirements.
  - Metric – a Super POD or Neighborhood POD within close proximity by walking or driving.
    - Assumption – MTA and ride share options as well as walking and delivery are considered.
- 2-1-1 will receive all calls/questions and serve as POC for special needs requests (Rapid Response Teams).
  - Assumption – Rapid Response Teams will transition from the local Emergency Operations Center to the ARC. The ARC and 2-1-1 will coordinate.
  - Metric – A measurable reduction in response times to Rapid Response Team requests.
- Volunteer Expansion target complete date: February 14.

Ongoing Resourcing

- Goal – Implement a medium-term logistics system of supplying filtration components which supports a long-term, workable process to sustain provision of potable water to residents.
  - Metric – All households and franchise customers have access to safe, clean drinking water from the Flint water system, which is augmented by adequately filtered water within the home.
    - Assumption – Identify average family size and consumption, including burn rate, cooking and hygiene utilizing any available research from military operations guides, Peace Corps, Samaritan's Purse or other sources which may identify consumption rates.

    - Assumption – Filter cartridges last 100 gallons.
    - Assumption – People will move to Flint who will need initial filtering supplies.
- Identify warehouse spaces adequate for commodities for the planning period (initial assumption 1 year)
- Water distribution would be led by the city, food banks, faith-based or other volunteer groups.
- Messaging should strongly promote the use of properly certified filtration.
- Work with the federal HHS Unified Coordination Group and the Flint Water Interagency Coordinating Committee to maximize opportunities for Flint water system customers to participate in the ongoing *repair and improvements to the water system and fully leverage and maximize the benefits of all* available programs.
- Ongoing public messaging and education are offered to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
- Create a calendar of activities/distribution including the when and where of how the activities and missions will be provided to water system customers. Include decision points for planning teams.
- Establish long-term filter distribution process using USPS, vouchers, Bridge style cards, or other measureable programs.
    - Is it supportable by FEMA's 90 day mission?
    - What are implications of over supply?

Long Term Recovery

- Goal – water distribution operations are normalized.
    - Metric 1 – Households are served by the Flint water system.
    - Metric 2 – All water tests meet or exceed all established water quality metrics and regulations.
    - Metric 3 – Households do not require filtration at the faucet.
- Work with the federal HHS Unified Coordination Group and the Flint Water Interagency Coordinating Committee to maximize opportunities for Flint water system customer to participate in the ongoing *repair and improvements to the water system and maximize the benefits of all available programs to* insure that we have leveraged all state, local, federal, and non-governmental resources.
- Ongoing public messaging and education are offered to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
- All recommended solutions are implemented. Analyses are complete, and public trust in Flint water is re-established.
    - Metric 1 – Independent surveys indicate that residents and customers trust water test results.

**Dates are to be negotiated and confirmed by all parties involved.

Donations Management Template

Developed by

Adventist Community Service

The Seventh-day Adventist Church began providing assistance to disaster survivors in 1874 following a flood in Michigan and continues to respond to disasters under the name of Adventist Community Services (ACS). ACS is a founding member of the National Voluntary Organizations Active in Disaster (NVOAD) and has chosen to focus primary expertise in donations management. This includes managing the collecting, sorting, inventorying, warehousing, and distributing of donated goods, including the massive, unsolicited donations sent by the well-intentioned.

ACS has trained and affiliated thousands of volunteers to support donation management operations in all 50 of the United States. ACS management teams are particularly useful supporting large scale donations operations that necessitate multi-agency warehouses. An ACS managed multi-agency warehouse is one that is managed by ACS and provides goods to all vetted entities providing support to disaster survivors and responders.

ACS has a Statement of Understanding with the Federal Emergency Management Agency (FEMA) and the American Red Cross to provide donations management assistance in times of disaster. ACS has donations management teams available for deployment to support federal, state, local, and tribal agency operations. National subject matter experts are also available to assist during all phases of the disaster cycle.

The template that follows is a suggested starting point for the development of an agreement with ACS to provide donations management support. The attached basic needs list is intended to be adapted based on the type, scale, scope, and particular circumstances of each disaster.

For more information, go to: www.communityservices.org.

(This initial page need not be included in the final written agreement.)

Letter of Agreement between
The State/County of _____ and
Adventist Community Services

Purpose

The purpose of this Letter of Agreement (Agreement) is to describe the working relationship between the State/County of _____ (s/c) and Adventist Community Services (ACS) in managing donations following a state/local disaster event.

Activation

Following a state/local disaster, if the s/c determines that assistance is needed to process donated goods, s/c will submit a request for support to ACS. It is understood that ACS will respond based upon its capacity and resources at the time of the event. At the same time, it is understood that ACS will make every good faith effort to respond given both its regional and national disaster response network.

General Terms of Agreement

Due to both its previous disaster experience managing donated goods and warehouse expertise, ACS is the pre-designated lead agency with s/c for managing large amounts of donated goods following a disaster event. This may include the collecting, sorting, warehousing, and distributing of donated goods.

In an effort to provide support and stability to community-based voluntary agencies distributing donated goods, s/c and ACS agree to the following:

ACS Agrees to:

1. Provide management of a multi-agency warehouse, when needed, and supervise volunteers in receiving, inventorying, sorting, packing, and shipping donated goods.
2. Assist s/c in locating and evaluating a facility to be utilized for warehouse operations.
3. Utilize existing relationships to secure donations of any equipment, supplies, and services needed to support operations; otherwise, s/c will provide the necessary material support.
4. Make goods available to local organizations that are distributing goods and are recognized/approved by s/c.
5. Will provide access to the most current warehouse inventory for FEMA, State, Local, and/or Tribal officials.
6. Incorporate community volunteers to assist with donations management operations as needed.
7. Maintain and report to s/c daily volunteer hours for each operation location.
8. Will turn over operations to local volunteer organizations when they are able to assume and accept this responsibility if needed.
9. Will provide a liaison, when available, to the Emergency Operations Center if requested.
10. Will participate as a member of the s/c Donations Coordination Team.
11. May provide management and operation of distribution sites and/or mobile distribution if needed and when personnel are available.
12. Keep s/c informed of ongoing ACS donations management operations.
13. Assist s/c with operations required to process or dispose of unwanted donations.
14. Make necessary purchases upon receiving written authorization from s/c. These purchases will be in compliance with s/c procurement policy for purchasing such items.

15. Provide workers compensation and/or liability insurance for all ACS employees and registered ACS volunteers. These individuals shall not be considered employees of s/c for the purposes of third party tort claims or personal injury.

s/c Agrees to:

1. Notify ACS of Donations Management Branch activation so that ACS may provide donations management support to s/c.
2. Locate a mutually agreeable site for ACS to set up a multi-agency warehouse if the event requires such a facility.
3. Serve as the responsible party for any costs associated with the opening and operating of the multi-agency warehouse (i.e., lease or rental and utility expenses).
4. Provide all equipment, supplies, services, and software necessary for ACS to run multi-agency warehouse operations (see Attachment 1 for a list of basic warehouse needs). Both s/c and ACS will attempt to fill many of these resource/equipment needs through donations.
5. Provide a liaison to ACS from s/c government.
6. Provide ACS with a list of approved entities to receive donations, including those relief organizations that will act as distribution sites for donated goods.
7. Provide transportation as required by ACS to move donated goods.
8. Provide additional personnel/volunteers, as needed, to support ACS personnel at the multi-agency warehouse.
9. Provide a seat for ACS with the s/c section of the s/c EOC.
10. Invite ACS to participate as a member of the s/c Donations Coordination Team.
11. Reimburse travel, lodging, and per diem expenses for ACS management personnel involved in support of s/c, based on proper and sufficient receipts or other supporting documentation provided by ACS to verify expenses. Lodging, per diem, and mileage will be reimbursed at the s/c rate which will be outlined to ACS at the onset of operations.
12. Provide necessary forms and guidelines necessary to receive reimbursement for expenses.
13. Identify to ACS to whom necessary documents should be submitted to receive reimbursement.
14. Provide ACS with regular situation updates on the status of incoming donations and current identified needs for donations.
15. Allow ACS to retain its own identity and follow its own internal management principles, processes, and procedures during disaster operations.

Notices and Communications

All written communications sent by the parties may be by U.S. mail, email, or fax and shall be addressed as follows:

To s/c:
Name
Title
Agency
Address
Telephone
Cell Phone
Fax
Email

To ACS:
Name
Title
Organization

Address
Telephone
Cell Phone
Fax
Email

Each party agrees to provide to the other party, in a timely fashion, updated information should there be a change in their primary point of contact.

Term

The term of this agreement shall be from _____ through _____, and may be extended by mutual agreement of the parties. The parties shall review the terms of this Agreement annually, and may modify this agreement at any time by written amendment executed by both parties.

Termination

This agreement may be terminated by either party with 30 days advance written notice to the other party.

Signatures

_____	_____
Name	Name
Title	Title
Agency	_____ Conference of Seventh-day Adventists
Date: _____	Date: _____

ATTACHMENT 1

BASIC WAREHOUSE NEEDS

Needs may vary and must be evaluated based on the circumstances, scale and scope of each disaster response.

Facility Specifications:

- 100,000 – 250,000 sq. ft.
- *4 or more loading docks (minimum of 2) with dock plates (1 per dock)*
- Forklift access between interior and exterior of warehouse
- Office space to accommodate management team
- Personnel support/break area
- Adequate ventilation and climate control
- Indoor lighting
- Outdoor lighting if night operations are anticipated
- Toilets and sinks
- Safety shower & eye wash station (preferred)
- Showers (preferred)

Utilities/Services:

- Land line or generated electrical power
- Potable water and sanitation
- 6 Phone lines (4 lines rollover) (cell phones may be considered)
- 2 Fax lines
- High speed internet access for 10 devices
- 30-40 cubic yard dumpster with on demand emptying service

Transportation:

- 2 Box trucks with driver, fuel, and lift gate for use in distribution

Equipment:

- 4 Propane forklifts with 6 extra propane tanks and refilling contract (specifications to be determined once warehouse facility is identified)
- 4 Pairs wheel chocks (minimum 1 pair per loading dock)
- 6 Pallet jacks
- 6 Hand trucks (2 appliance, 4 convertible)
- 2 Pallet pullers with chains
- 6 Desks
- 6 Rolling office chairs
- 6 Computers with necessary software (minimum 2 laptops)
- 2 Multi-function printer, copier, fax, and scanner machines with extra toner/ink cartridges
- 6 4-Line phones with hold, forward, speaker, and headset capability
- 4- or 5-Drawer locking file cabinet
- 10 6' folding tables
- 20 4'x8'x 3/4" Sheets of plywood and 40 sawhorses (or equivalent number of 8' folding tables for use as sorting tables)
- 30-35 Folding chairs
- Multi-purpose fire extinguishers (number as required by local jurisdiction)
- 10 Communication radios
- 2 Weather alert radios
- 2 Electric Golf Carts (at least one with cargo box)

Supplies:

- 200 Pallets per week (number may vary with activities)
- 100 double or triple wall pallet/Gaylord boxes (re-order capability)
- 1000 Boxes (200 small, 600 medium, 200 large) (re-order capability)
- 24 Rolls 15"x1500' stretch wrap (re-order capability)
- 2 Stretch wrap handles
- 9 Tape guns
- 9 Cases 2" packing tape (re-order capability)
- 6 Rolls yellow caution tape
- 2 Dozen retractable box knives with extra blades
- 6 30-40 Gallon trash cans
- 6 Wastebaskets
- 2 Push brooms
- 2 Dustpans
- 1 Mop
- 1 Mop bucket
- 1 Basic first aid kit
- Office supplies:
  - 2 4'x8' White boards
  - 12 Stackable letter trays
  - 1 Case copy paper
  - 2 Dozen 8 ½"x11 ¾" writing pads
  - 6 3" Three-ring binders
  - 2 Sets alphabetical tab dividers
  - 12 3"x3" Post-it notes
  - 1 Dozen clipboards
  - 6 Scissors
  - 1 3-Hole paper punch
  - 2 Standard staplers
  - 2 Boxes standard staples
  - 2 Tape dispensers
  - 1 Dozen rolls ¾" transparent tape
  - 100 File folders
  - 1 Dozen dry erase markers
  - 5 Dozen black permanent markers
  - 4 Dozen pens
  - 1 Pencil sharpener
  - 4 Dozen No. 2 pencils
  - 6 Boxes regular paper clips
  - 2 Boxes jumbo paper clips

FEMA REGION V EVENING SITUATIONAL AWARENESS REPORT (ESAR)
DATE: 02/15/2016

REGION V RESPONSE STATUS:

- **RRCC:** Watch / Steady State
- **IMAT:** Blue
  - o Alpha: Deployed to Lansing, Michigan in support of MI-3375-EM
  - o Bravo: Deployed to Flint, Michigan in support of HHS UCG
  - o Collateral IMAT: Charlie
- **LNO:** Cornelius Miller

REGION V SEOC STATUS:

- **Illinois:** Normal Operations
- **Indiana:** Normal Operations
- **Michigan:** Full Activation (Flint Water Emergency)
- **Minnesota:** Normal Operations
- **Ohio:** Normal Operations
- **Wisconsin:** Normal Operations

NATIONAL TERRORISM ADVISORY SYSTEM (DHS): Bulletin (12/16/2015 – 06/16/2016)

NOTEWORTHY EVENTS: Nothing significant to report

SIGNIFICANT WEATHER (NWS, SPC):

- **Tonight:** Snow and rain is forecast to continue overnight for southern and eastern Ohio. Based on current forecasts, the following watches and warnings are in effect within the Region:
  - o A Winter Weather Warning is in effect for eastern Ohio until 1200 CST, Tuesday due to 4-10 inches of accumulation over the next 24 hours and minor to moderate wind
  - o Winter Weather Advisories are in effect across southern and eastern Ohio until approximately 0900 CST, Tuesday. Overnight accumulation in northeastern Ohio could reach 3-6 inches; moderate winds are likely. Southern Ohio will continue to receive a winter mix and rain reaching 1.0-2.0 inches.
  - o An Areal Flood Watch is in effect for southern Ohio until Tuesday morning due to moderate rainfall combined with frozen ground and snowmelt
- **Tuesday:** Snow is forecast across northern Minnesota, northern Wisconsin, and much of Michigan; periods of heavy snowfall in western Upper Michigan is possible. Rain and snow is forecast across southern Illinois, southern Indiana, and southern and eastern Ohio.
- **Wednesday:** Snow is forecast for southern Minnesota, Michigan, and northern Ohio. A winter mix is forecast for southern Ohio.

HYDROLOGIC CONDITIONS (AHPS): Flood Warnings remain in effect along the Kaskaskia River in southern Illinois due to recent rain and snowfall and the Des Plaines River in northeastern Illinois due to an ongoing ice jam; no significant impacts have been reported and none are expected.

FIRE CONDITIONS (SPC): Nothing significant to report

REGION V DISASTER SUMMARY:

- **Declaration Requests:** None
- **PDA Summary:** None
- **Disaster Declarations:** FEMA-3375-EM provides emergency assistance for water, water filters, water replacement cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

FEMA REGION V OPEN SOURCE SUMMARY (OSS)
Regional Points of Interest
February 16, 2016

REGIONAL WEATHER & IMPACTS

Icy road conditions are blamed for multiple accidents along stretches of I-94 in Michigan
(Associated Press)
Chelsea, MI: Icy road conditions are blamed for multiple accidents along stretches of Interstate 94 in Michigan. The Ann Arbor News reports about 10 vehicles were involved in crashes Monday morning on eastbound and westbound I-94 in the Chelsea area, leading to traffic being shut down in both directions. Huron Valley Ambulance spokeswoman Joyce Williams says one person was injured. Icy roads conditions were reported throughout Washtenaw County. In the Battle Creek area, a five-vehicle crash Monday morning closed westbound I-94. Police say it appears a car entering the freeway lost control and hit a semi-truck. The Battle Creek enquirer reports the driver of the car was taken to a hospital for treatment. The crash was one of several in the area. Snow and cold temperatures left roads slippery.

PUBLIC HEALTH & SAFETY

Records show the water system serving Sebring isn't the only one that failed to notify Ohioans about lead-tainted drinking water within prescribed timeframes after testing
(Associated Press)
Columbus, OH: Records show the water system serving Sebring in northeast Ohio isn't the only one that failed to notify people about lead-tainted drinking water within prescribed timeframes after testing. The Columbus Dispatch reports Ohio Environmental Protection Agency records show 10 of the 14 systems that had advisories for lead contamination in effect last week had missed the mark. An Ohio EPA spokeswoman says all except Sebring did notify customers about excessive levels, but some didn't do so within the required 30 or 60 days and were given notices of violation. The Dispatch says in most cases, the EPA didn't issue violations until last week. The EPA says Sebring officials failed to notify all water users about high lead levels detected in some homes last summer. Most residents learned in January.

Gov. Snyder requests expanded Medicaid services for Flint residents
(WXYZ)
Lansing, MI: Michigan Gov. Rick Snyder is asking the federal government to expand Medicaid services to residents of Flint. According to a release issued on Sunday, Snyder wants Medicaid expansion for those up to age 21 and pregnant woman who are served from the Flint water system. "Children, teens and young adults exposed to lead need more coverage to get testing and the treatment they need," Snyder said. "Expanding these services and lead abatement efforts will mitigate the risks of lead exposure and result in better identifying any long-term health challenges, including behavioral issues." In a letter to Victoria Wachino, director f the Center for Medicare and Medicaid services, Snyder said the waiver request has three items. The first is to expand Medicaid eligibility, the second is to use targeted case management services to coordinate benefits and resources, and finally "provide a mechanism for expanded lead abatement activities in the impacted area. According to the press release, coverage is available to everyone of all incomes, but individuals with income over 400 percent of the poverty level will have the option to buy into a program for full Medicaid benefits.

ENVIRONMENTAL

Cleanup of coal slurry discharge underway
(The Southern Illinoisan)
Galatia, IL: A cleanup of a coal slurry discharge at an American Coal Co. mine in Galatia that entered a creek and forced an evacuation of one home is underway, company and state officials said. "Upon discovering the slurry leak, AmCoal promptly ensured the pump was turned off, reported the incident to appropriate governmental authorities, and took further action to assess and fix the leak, and to contain and clean up any affected area," the company said in a written statement. The company said a mixture of water, rock and coal escaped and entered Bethel Creek. Illinois EPA spokeswoman Kim Biggs said the state is waiting on test results to determine the chemical makeup of the mixture but at this time it is not considered a health safety risk. "We don't believe there are any health concerns," she said. The cause of the leak has not been determined, she said. Cleanup of the affected area, about 3.8 miles of Bethel Creek, has been ongoing around the clock since the leak was discovered, she said.

LAW ENFORCEMENT & NATIONAL SECURITY

Mich Tech prof developing drone to catch other drones
(Detroit News)
Detroit, MI: Interest in drones is soaring and experts predict their use will only skyrocket. But what happens when the unmanned aerial vehicles go rogue or enter restricted airspace? A Michigan Technological University professor is working on a way for agencies to safely take down runaway flying machines should they threaten air traffic, military bases, government buildings or sporting events. "I envision this technology being used by law enforcement to provide security and counter rouge drones," said Mohammad Rastgaar-Aagah, an associate professor with Michigan Tech's Mechanical Engineering Department in Houghton. "The system we're developing will quickly capture a drone and remove it from an area so it's no longer a threat to anyone's safety." Rastgaar's system involves a drone that can shoot a net at other unmanned aircraft and haul them in. He likens using the unmanned aircraft to catch other drones to falconry, the sport where falcons or other birds of prey are trained to hunt.

ENERGY & CRITICAL INFRASTRUCTURE

Xcel open to closing nuclear plant early
(Prairie Business Magazine)
Red Wing, MN: Xcel Energy is awaiting word from the Minnesota Public Utilities Commission to proceed with an 18-month study on the future of Prairie Island nuclear plant and the economics of potentially shutting down the two-reactor facility before its operating license expires in 2034. Though Xcel Energy believes the plant is a cost-effective part of its goal to reduce carbon dioxide emissions, the utility company is open to analyzing options for early decommissioning in response to higher-than-expected capital expenditures forecasted in the next two decades, according to a Jan. 29 filing with the PUC. "The Prairie Island plant provides good economic value to our customers, which we just detailed in our latest filing to the Minnesota Public Utilities Commission," according to an email statement Friday by Prairie Island Site Vice President Kevin Davison. "We look forward to working with the commission, local communities and other stakeholders to illustrate the value the plant brings to Red Wing, the state of Minnesota and electric customers across the upper Midwest." The filing, a supplement to Xcel Energy's 2016-2030 Upper Midwest Resource Plan, states the company anticipates a $175 million increase in expenditures in the next five years over what was predicted in 2012, as well as increases of $600 million to $900 million from 2021 through 2034. The driving costs are attributed to new requirements following the 2011 Diiachi nuclear disaster at Fukushima, Japan, and a general increase in regulations by the U.S. Nuclear Regulatory Commission. However, the increases are largely offset by lower-than-predicted operating and maintenance costs for the plant, Xcel Energy noted. The company expects to spend $1

billion less in fixed costs at Prairie Island through 2034. A decision on the plant's future could be reached as early as 2018 should the company move forward with its analysis. Retiring the plant early would require an additional seven years of shutdown and decommissioning planning, including steps to make up for the loss of energy generation, Xcel Energy says.

TECHNOLOGY AND CYBERSECURITY

Comcast Service Restored After Outages Sweep Country
(Associated Press)
National: Thousands of Comcast customers around the country lost Internet and television service Monday morning, according to DownDetector.com, which monitors telecommunications outages. Most services were restored by 1:30 p.m. EST, according to Comcast. "We have repaired the temporary network interruption that impacted some of our services this morning. Our engineers continue to work on this issue and almost all services have already been restored. We apologize for any inconvenience this has caused our customers," the company said in a statement Monday afternoon. DownDetector's map shows Comcast outages peaked at 17,033 around 11:30 a.m. EST. Outages have been reported in cities across the U.S., including Chicago, Houston, Philadelphia, Baltimore, New York, Boston, Hartford and Washington, D.C. Comcast — the parent company of NBCUniversal — offers phone, Internet and TV service in 40 states and Washington, D.C.

Russian Hackers Spying On Your Linux PC Using Sophisticated Malware "Fysbis"
(TechWorm)
National: A new malware family known as Fysbis (or Linux.BackDoor.Fysbis) is aiming Linux machines by setting up a backdoor that allows the malware's author to snoop on victims and perform further attacks. Fybis showed its first signs in November 2014. However, the security researchers from Palo Alto Networks only recently have been able to understand who is behind the danger and how this threat works. Researchers after carrying out a detailed inquiry guess that this is not your run-of-the-mill malware that affects computers for the criminals' monetary gain (adware, Bitcoin mining, banking operations), but a much more sophisticated threat, that's only used in cyber-espionage campaigns. However, you are probably safe, if you are a regular Linux user that enjoys playing games on Steam. While on the other hand, if you work in big multi-national corporations or are a government employee and take care of the highly-sensitive Linux servers, data centers, then you should expect at one point or another to come across Fysbis on your machines. According to Palo Alto researchers, this malware family was developed by none other than the infamous APT 28 cyber-espionage group, also known under the names of Sofacy or Sednit. This group is a fairly well known cyber espionage group believed to have ties to Russia. Their targets have spanned all across the world, with a focus on government, non-profits, defense organizations and various Eastern European governments. There have been numerous reports on their activities, to the extent that a Wikipedia entry has even been created for them. Most high-profile targets of its short list includes NATO, the Dutch Air Safety Board, the Electronic Frontier Foundation, the Polish government, and many financial institutions and banks.

Name	Address	Ward	Type	Director	Dir Phone	Contact
Antioch Baptist Church	1083 E Stewart Ave	3				
Asbury United Methodist	1653 Davidson Road			P. Tommy McDoniel	248.705.4401	
Berston Field House	3300 Saginaw					
Brennan Community Center	1301 Pingree Ave	7				
Catholic Charities	901 Chippewa St		Hub	Chrissy Cooper		Chrissy Cooper
Christ Fellowship Baptist Church	317 E. Hamilton Ave			Deacon Gilcrest	810.238.9605	
Convoy of Hope						
Divine Revelations	902 Huron St		Hub	Pastor Williams		
Doyle/Ryder Elementary School	1040 N Saginaw	5				
El-Shaddai Church of God in Christ	920 Walnut		Hub	Elder Eddie Kennedy		
FairHaven Baptist Church	1379 Louis Ave			Cassandra	810.813.5702	
Flint City Hall	1101 S Saginaw					
Flint Fire Station #1	310 E 5th					
Flint Fire Station #3	1525 MLK Ave					
Flint Fire Station #5	3402 Western Rd	4	POD			
Flint Fire Station #6	716 W Pierson Rd					
Flint Fire Station #8	202 E Atherton Rd					
Flint PD Dort Mall Service Center	3600 S Dort Hwy	9				
Flint PD Hallwood Service Center	4921 Clio Rd					
Flint PD Kettering Univ Service Center	1625 University Ave					
Flint PD Northside Service Center	4535 MLK Ave					
Flint PD Southside Service Center	3410 Fenton Rd					
Flint Southwestern Academy	1420 W 12th St	8				
Food Bank	2300 Lapeer Rd		Hub	Kara Ross		
Foss Ave Baptist Church	1159 E Foss		Hub	Pastor Flynn		
Galilean Baptist Church	109 W. Holbrook Ave			Pastor Sean Payne	810.814.5974	
GCCARD	601 N Saginaw					
GCCARD	2727 Lippencott Blvd					
Gethsemane Missionary Baptist	1258 E. Humphrey St			Pastor Randolph	989-695-9880	
Gospel Temple Baptist	735 Wager, Flint, MI			Pastor Lewis	810.814.0045	
Grace Emmanuel Bapist	3502 Lapeer Road		Hub	P. Marvin Jennings	810.743.3900	Glenna Gates
Hasselbring Senior Center	1002 W Home Ave	1				
Joy Tabernacle Church	2505 N. Chevrolet Ave	2		P. Denard Robinson	313.258.8967	
Joy Tabernacle Church	2505 N Chevrolet Ave	2				
Macedonia Missionary Baptist	G5443 Saginaw St			Deacon Lever	810.875.7650	
MDHHS	4809 Clio Rd					
MDHHS	125 E Union St					
Metropolitan Baptist Church	930 E. Mrytle Street			P. Herbert Miller	336.240.1634	
Mt. Calvary Baptist Church	4805 N. Saginaw			P. Henry Fuller	810.787.2563	
Mt. Carmel Baptist Church	1610 W. Pierson Road			P. James Kennefy	810.691.5347	
Mt. Pisgah	6415 N Clio Rd			P. Hill	810.938.6672	
Mt. Sinia Missionary Church	1215 E. Downing Ave			P. Collins	810.394.4772	
Mt. Zion Baptist Church	2109 M.L.King			P. Rodney Ellison	810.309.6543	
MTA						
New Community Baptist Church	1375 Lavender Ave	6				
New israel Missionary Baptist	3417 N. Saginaw St			Pastor Daniel Bridges	810.516.0478	
New Life Missionary Baptist	931 E. Hamilton Ave			Pastor Campbell	810.240.1337	
Saints of God	2200 Forest Hill			Rev. Alfred Harris	810.394.6787	
St. Mark Baptist Church	3020 DuPont NE		Hub	Pastor Thompson		
St. Paul Baptist Church	2115 W. Coldwater Rd			Pastor Pettigrew	810.964.3755	
Triumph Church	1657 Broadway Blvd			Cedric Scott	810.610.9590	
United Methodist				Peter Plum		Peter Plum
Vernon Chapel	5802 DuPont St			Rev. Helen Williams	810.814.0243	Charlie Clark
Warehouse - Clio Rd			DC			
Warehouse - FBEM #1						
Warehouse - FBEM #2						
Warehouse - Kroger			DC			

POC Phone	Distributor	Pallet Capacity	Filter Capacity	Staff	Volunteers	Notes
	SOM					
	CC					
	SOM					
	CoH					
	SOM		25			
	SOM		20			
	SOM					
	SOM		22		12	
	SOM		29		12	
	SOM		30		12	
	SOM		25		12	
	SOM		35		12	
	FBEM					
	SOM		4			
	SOM					
	SOM					
	SOM					
810-449-7853	SOM		8			
	SOM		2			
	SOM		3			
	SOM					
	SOM					
	SOM					
	SOM					
	SOM					
	SOM					
	SOM					
	SOM					
	SOM					
	SOM		25			
	SOM					
313-386-8044	SOM					
810-394-5534	SOM					

Hub Based

This is a collaborative effort, and may change with input from all parties involved.

- What do we want to do?
- Who is responsible for doing it?
- How do we communicate with each other?
- What is the procedure?

Work SMART:
Safe – Keep our community safe! Let our police and fire fighters protect and serve us!
Measurable – How will achievements be measured?
Action Oriented – Is an action verb used to describe expected accomplishments?
Realistic – Is the outcome achievable with given available resources?
Time Sensitive – What is the timeframe?

HUB churches will network with surrounding churches and establish agreed upon distribution schedules.

HUB churches will provide the list of churches that will obtain their water from the HUB church. This list will be sent to Lt. Roach at Roachb@michigan.gov.

Each ward will have one central church to be the Hub for water distribution for that area/ward. Within that ward will be the 3 sub-Hubs that will provide services to that area. Each hub will have the following:

- Loaders (National Guard/Sheriff work detail)
- Admin (Address look-up to direct you to your nearest hub)
- Water
- Water filters/replacement cartridges
- Home water test kits
- Provide mobile lead testing clinic, twice a week for individuals without insurance. The mobile clinics will ONLY be at the ward hubs. There will be no door to door clinics. Once tested, residents will receive a lead awareness nutrition booklet which will provide education on lead prevention tips for families.
- Recycling center for the empty water bottles will be placed at all 9 ward hubs.

Current Burn Rates at Fire Station PODs

Location	Pallet Capacity	Burn Rate
Station 3	29	2,404 cases/day
Station 6	25	2,362 cases/day
Station 8	35	2,299 cases/day
Station 1	22	2,248 cases/day
Station 5	30	1,663 cases/day (industrial area, no drive through limits distribution)

Logistic Requirements

Warehouse

- Drivers

- Trucks 9- 20' or longer, 1 electric pallet jack, lift gate
- Trucks 16' Penske for Rapid Response Calls, lift gate
- 5 electric pallet jacks
- 6 manual pallet jacks
- 3 forklifts
- 1 laptop, 1 phone, 1 printer, office supplies
- Packing tape, shrink wrap, dispensers, cardboard pallet boxes to stabilize stacks of water
- 23 staff/100,000 sq. ft. warehouse
- Drivers for vehicles over 26k lbs require CDL
- Forklift operators must be certified.
- Pallet sizes 40x48
- Box cutters, side snips, etc to break down pallets and packing material
- Disposal arrangements

PODs

- Loading dock or level sidewalk with smooth transition to storage area for pallet jack operation
- Manual and/or electric pallet jack
- If storage areas are not indoors, an outdoor forklift or skyjack would be required.

Requests for Water

- The Hub point of contact is Lt. B.J. Roach 517-819-0841.
- Hubs will call at least 24 hours in advance to provide the quantity of water needed, and schedule a delivery time.

Deliveries

- Deliveries will be conducted by a MI DTMB driver, and truck.
- They have a pallet jack and the capability to move pallets from the truck to the staging area.
- If the water needs to be transported to an upper or lower level, Hub staff or volunteers will need to be available to help off-load.
- MTA has committed to assisting with distribution.

Church Distributions

- Hubs will network with and recruit surrounding churches and organizations to support as neighborhood PODs.
- Hubs will work with PODs to establish distribution schedules, including amounts of water needed.

Michigan State Police Points of Contact

Lt. B.J. Roach 517-819-0841, Roachb@michigan.gov Lt. Mark A. Russo 616-299-9312, Russom2@michigan.gov

EXISTING CITY DISTRIBUTION POINTS

Existing distribution points are listed on the attached spreadsheet

CHURCH DISTRIBUTION HUBS

NORTH
Foss Avenue Baptist Church
1159 East Foss Avenue, Flint MI
Pastor Flynn 810-965-1515
Point of Contact: Jackie Scott 810-787-9019
Delivery: 4 pallets starting 2-2-2016 @ 12:30 pm

NORTH WEST
St. Mark Baptist Church
3020 DuPont NE, Flint MI
Pastor Thompson 810-280-9985
Point of Contact: Angie George 810-955-6297/810-234-6609
Delivery: 25 pallets starting 1-29-2016 @ 11:00 am

SOUTH CENTRAL
El-Shaddai Church of God in Christ
920 Walnut, Flint MI
Pastor Steve Hawkins
Point of Contact: Elder Eddie Kennedy 810-513-6762
Delivery: 20 pallets starting 1-29-2016 @ 9:00 am

SOUTH EAST
Grace Emmanuel Baptist Church
3502 Lapeer Road, Flint MI
Pastor Jennings 810-743-3900
Point of Contact: Glenna Gates 810-449-7853
Delivery: 8 pallets starting 1-30-2015 @ 10:00 am

SOUTH
Divine Revelations
902 Huron Street, Flint MI
Pastor Williams 810-931-0310
Delivery: 25 pallets starting 1-30-2016 @ 11:00 am

Neighborhood PODs
Neighborhood PODs are listed on the attached spreadsheet.

Filter Distribution Plan

Consider a plan of installing whole house filters in each customer household to alleviate questions about bathing and to reduce the time frame between cartridge replacements.
Consider a plan with City to eliminate billing for a pre-determined period to encourage flushing of the system and reduction of latency.

The community would like to be able to continue to make all resources available at all PODs.
Continue Rapid Response/home delivery for Functional Needs households and individuals.
Provide stock in bulk to Catholic Charities and Food Bank (and other partners as identified).
Maintain the Fire Station PODs until community hubs and PODs are running adequately or when demand no longer supports the need.
Investigate possibility of a debit card or voucher system for people to obtain commodities at area stores.
- Planning Consideration – MOUs needed with vendors to supply the appropriate cartridges and maintain minimum stock.
- Same stores would have "gift" card. Card is loaded periodically with specific commodity codes.

As demand wanes, maintain availability and Rapid Response until resources are depleted/no longer requested.

FEMA REGION V OVERNIGHT SITUATIONAL AWARENESS REPORT (OSAR)
DATE: 02/16/2016

REGION V RESPONSE STATUS:

- **RRCC:** Watch / Steady State
- **IMAT:** Blue
  - o Alpha: Deployed to Lansing, Michigan in support of MI-3375-EM
  - o Bravo: Deployed to Flint, Michigan in support of HHS UCG
  - o Charlie: Collateral IMAT
- **LNO:** Cornelius Miller

REGION V SEOC STATUS:

- **Illinois:** Normal Operations
- **Indiana:** Normal Operations
- **Michigan:** Full Activation (Flint Water Emergency)
- **Minnesota:** Normal Operations
- **Ohio:** Normal Operations
- **Wisconsin:** Normal Operations

NATIONAL TERRORISM ADVISORY SYSTEM (DHS): Bulletin (12/16/2015 – 06/16/2016)

NOTEWORTHY EVENTS: Nothing significant to report

SIGNIFICANT WEATHER (NWS, SPC):

- **Today:** Snow is forecast across much of the Region. Rain and snow is forecast across western and southern Illinois, southern Indiana, and southeastern Ohio. The following watches and warnings are in effect:
  - o A Winter Weather Warning is in effect for eastern Ohio until 1200 CST, Tuesday due to 4-10 inches of accumulation over the next 24 hours and minor to moderate wind
  - o Winter Weather Advisories are in effect across southern and eastern Ohio until approximately 0900 CST, Tuesday. Overnight accumulation in northeastern Ohio could reach 3-6 inches; moderate winds are likely. Southern Ohio will continue to receive a winter mix and rain reaching 1.0-2.0 inches.
  - o An Areal Flood Watch is in effect for southern Ohio until Tuesday morning due to moderate rainfall combined with frozen ground and snowmelt
- **Looking Ahead:** Wednesday, a winter mix is forecast for southern Ohio. Thursday regional temperatures increase, and a winter mix is forecast for Minnesota, northern Wisconsin, and northern Michigan. Areas of the Minnesota Arrowhead, Upper Michigan, and northern Wisconsin could receive 0.1-0.1 inches of icing and freezing rain.

HYDROLOGIC CONDITIONS (AHPS): Flood Warnings remain in effect along the Kaskaskia River in southern Illinois due to recent rain and snowfall and the Des Plaines River in northeastern Illinois due to an ongoing ice jam; no significant impacts have been reported and none are expected.

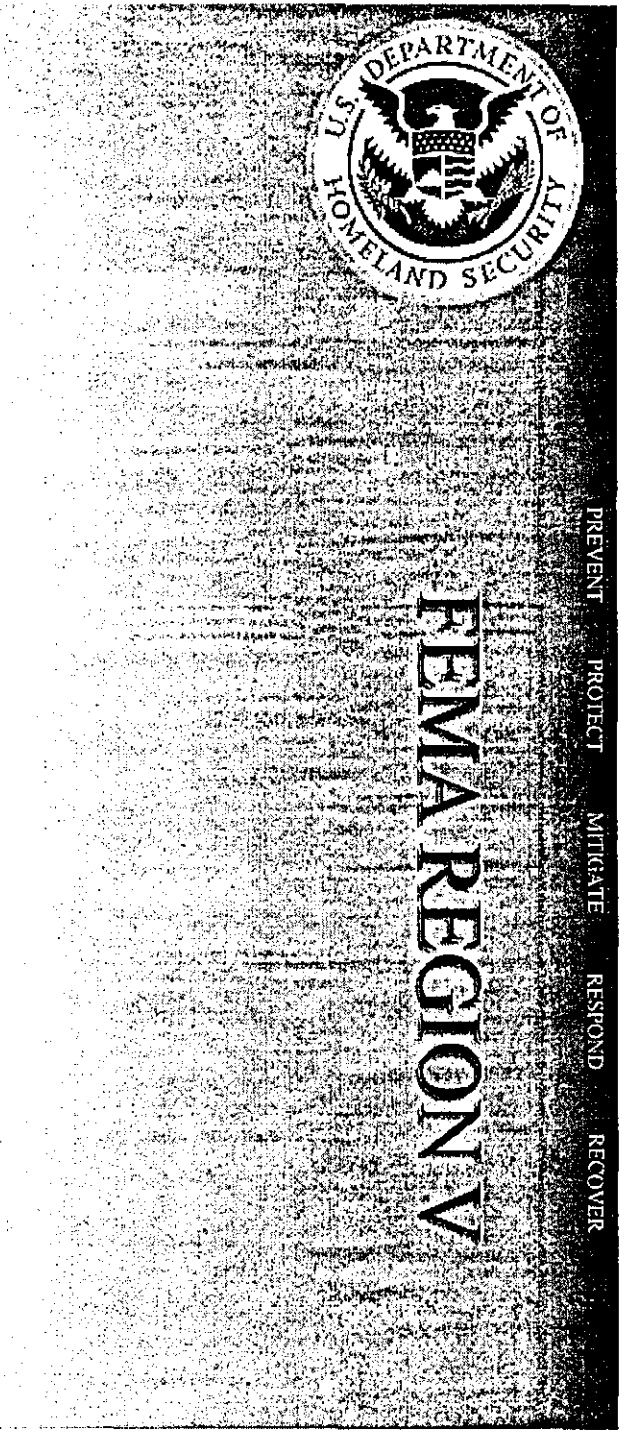
FIRE CONDITIONS (SPC): Nothing significant to report

REGION V DISASTER SUMMARY:

- **Declaration Requests:** None
- **PDA Summary:** None
- **Disaster Declarations:** FEMA-3375-EM provides emergency assistance for water, water filters, water replacement cartridges, water test kits, and other necessary related items for a period of no more than 90 days for Genesee County.

Morning Brief

Tuesday, February 16, 2016



FEMA
Region V

Region V Readiness

Operational Status

- **RRCC:** Watch/Steady State
- **Region V IMAT:** Blue
  - Alpha: MI-3375-EM (Lansing, MI)
  - Bravo: HHS UCG (Flint, MI)
  - Charlie: Collateral
- **Region V LNO:** Cornelius Miller
- **NTAS:** No Active Alerts

State EOC Status

• Illinois	Normal Operations
• Indiana	Normal Operations
• Michigan	Full Activation
• Minnesota	Normal Operations
• Ohio	Normal Operations
• Wisconsin	Normal Operations

Exercise Events

- **Mar 3:** Indiana Cyber (Power Disruption) TTX; Camp Atterbury, IN
- **Mar 30:** RV/RII Devolution TTX (Phase II); Chicago/New York via VTC
- **Apr 6:** Braidwood REP; IL
- **Apr 20:** NSSE RNC SL TTX; Cleveland, OH
- **Apr 26:** Palisades REP; MI
- **Apr 27:** America's Preparathon

Training Events

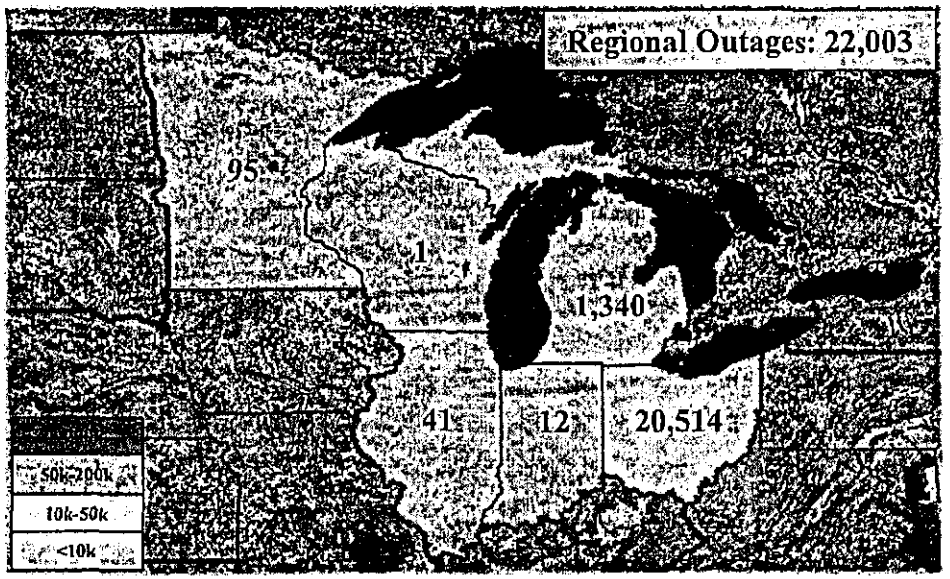
- **Feb 17-18:** L-213 Application Review; Indianapolis, IN
- **Feb 29-Mar 1:** REP Core Concepts Course (RCCC); Manitowoc, WI
- **Mar 1-2:** L-276 Benefit Cost Analysis, Indianapolis, IN
- **Mar 2-4:** REP Plan Review Course (RPPR); Manitowoc, WI
- **Mar 3-4:** L-214 Hazard Mitigation Assistance Implementation & Closeout
- **Mar 21-24:** REP Exercise Evaluator Course (REEC); Madison, WI
- **Mar 25:** REP Exercise Controller Course (RECC); Madison, WI
- **Apr 4-7:** L580 EM Framework for Tribal Governments; Leech Lake Band of Ojibwe, Minnesota.
- **Apr 18-21:** REP Exercise Evaluator Course (REEC); Springfield, IL
- **Apr 22:** REP Exercise Controller Course (RECC); Springfield, IL
- **May 3-5:** L207 Introduction to Hazard Mitigation Field Operations; Chicago, IL

This Week
Next Week

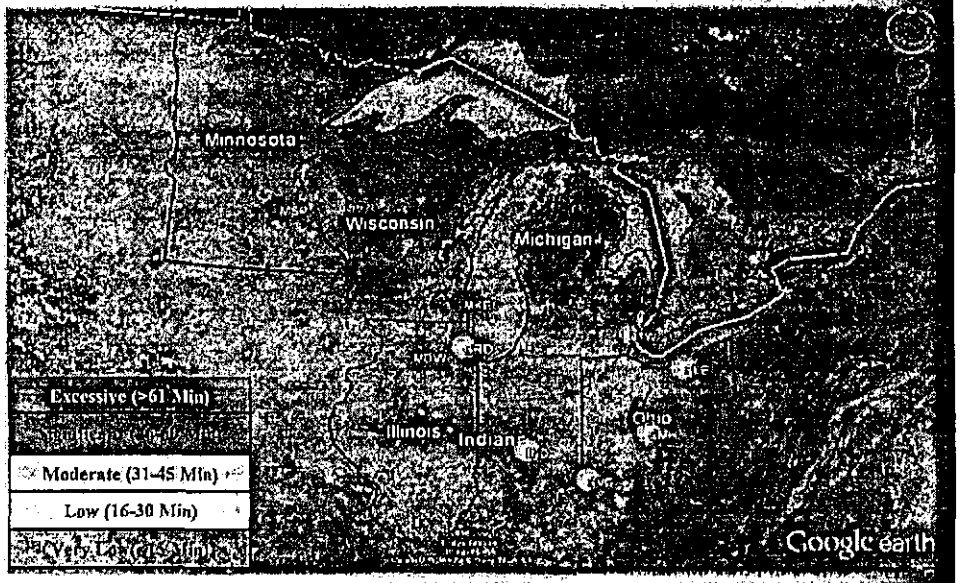
FEMA
Region V

Infrastructure Status

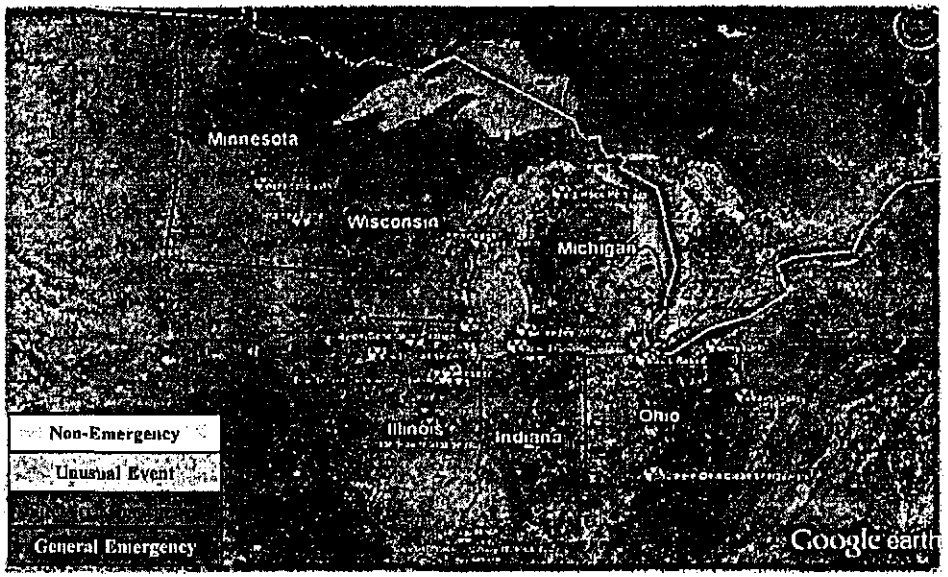
Power Outages



Airport / Flight Status



Nuclear Facilities



Space Weather

Space Summary	Past 24 Hrs	Current	Next 24 Hrs
Geomagnetic (G)	None	None	None
Solar Radiation (S)	None	None	None
Radio Blackouts (R)	R1	None	None

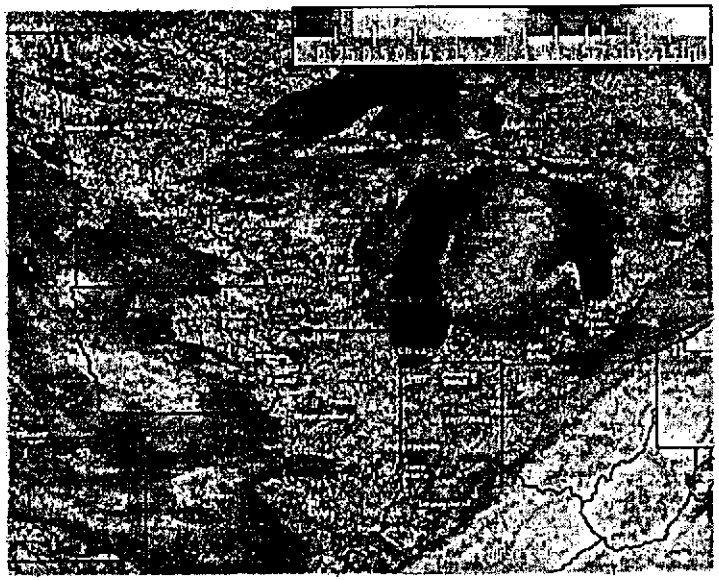
Space Weather has been minor for the past 24 hours with R1 levels. No additional space weather is currently expected to impact Region over the next 72 hours.

(Range: 1-Minor, 5=Extreme)

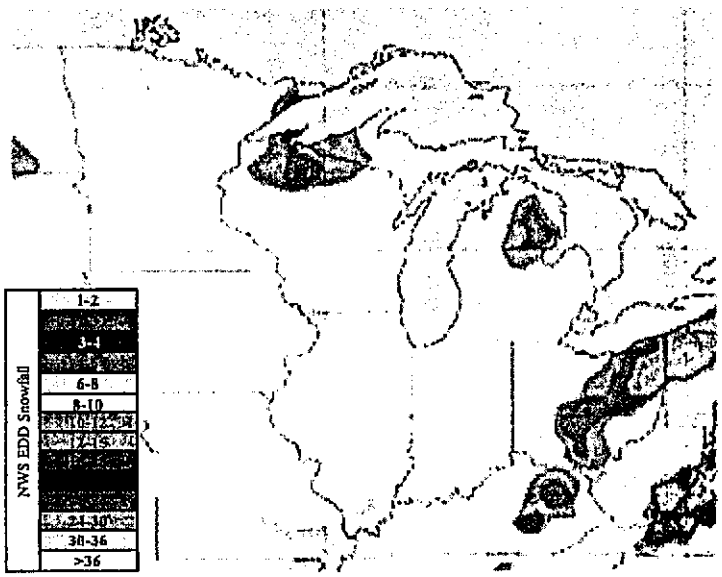
FEMA
Region V

Hazard Summary

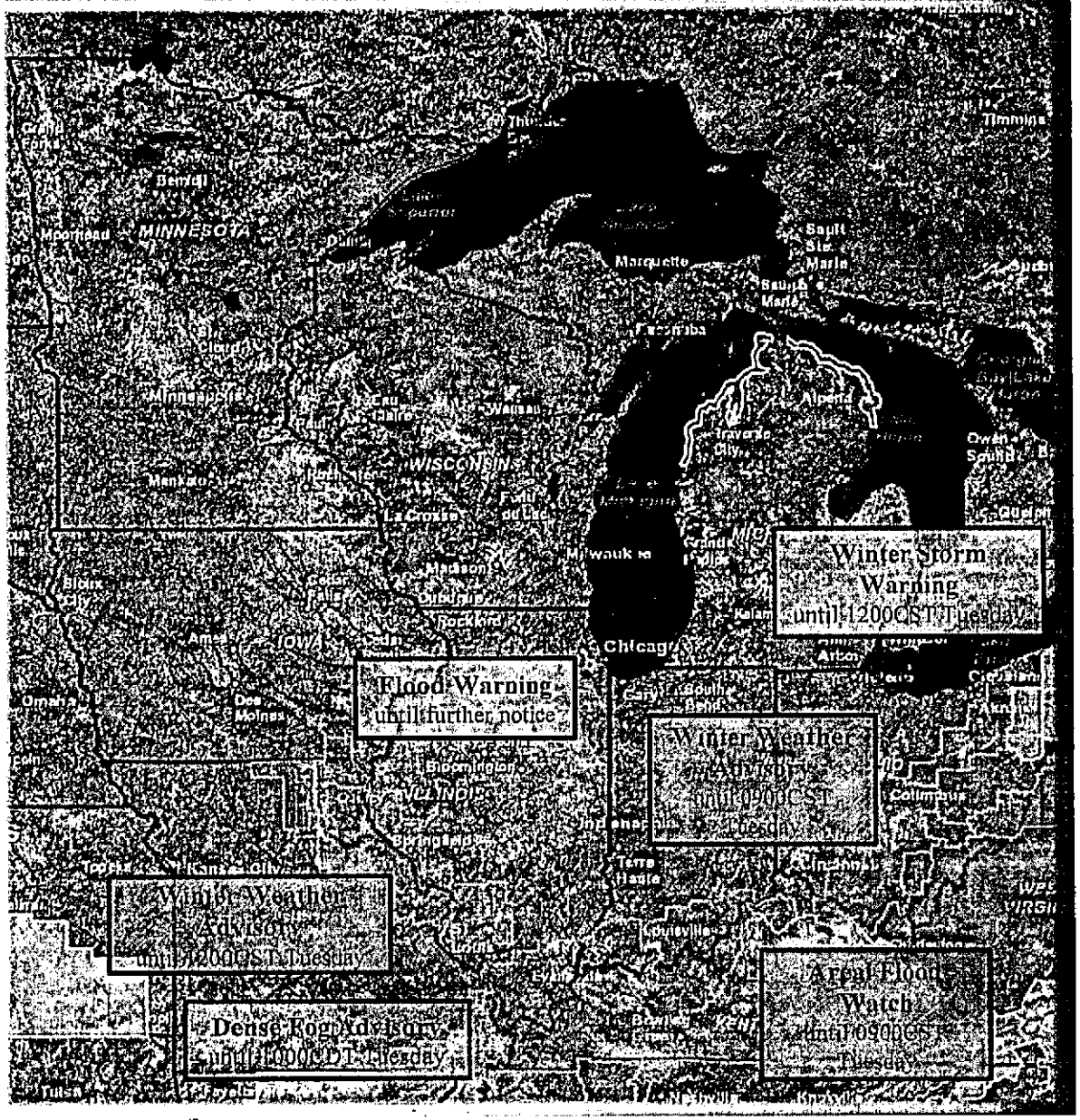
Precipitation (Last 24 hours)



Snowfall (Last 24 hours)



Current Watches / Warnings

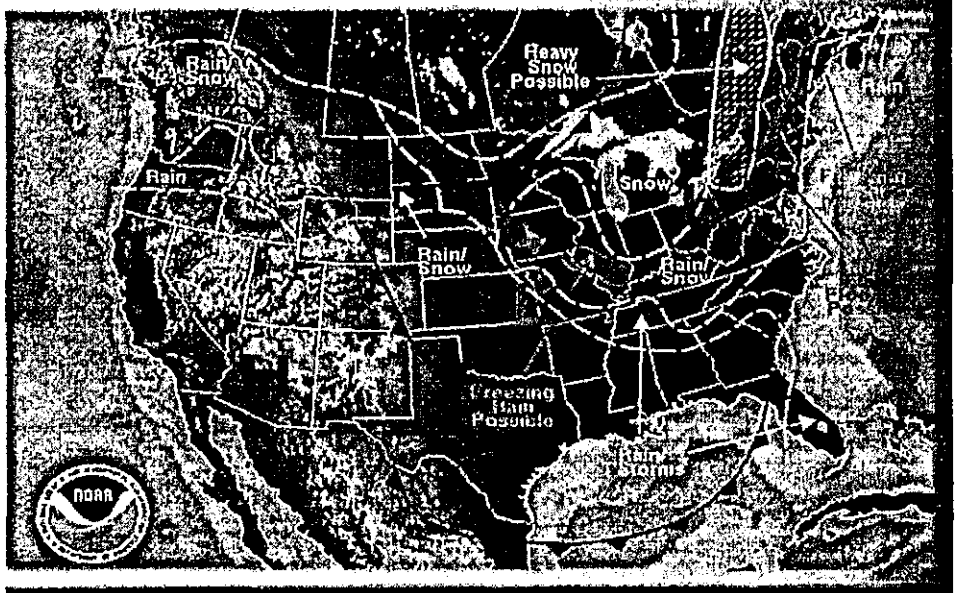


FEMA
Region V

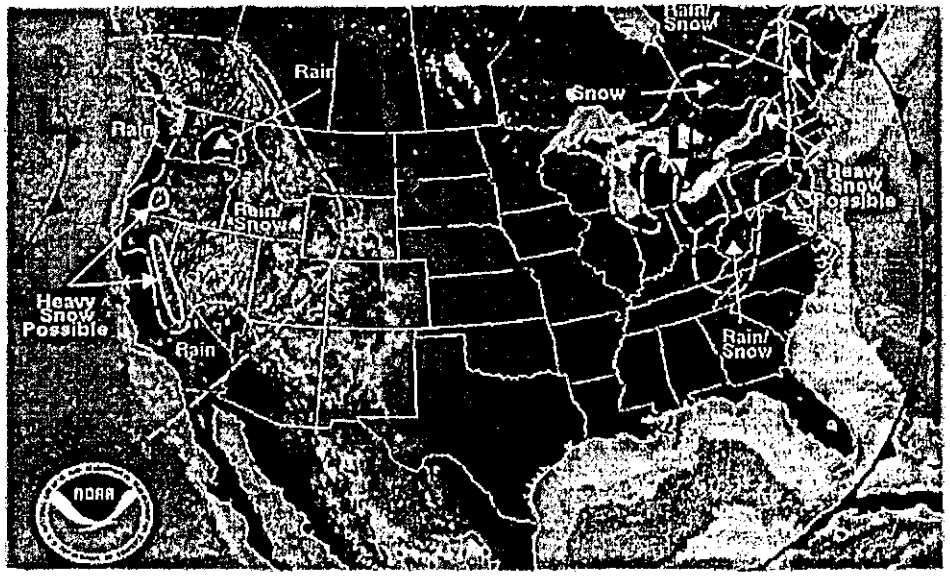
National Weather Forecast

Current Radar

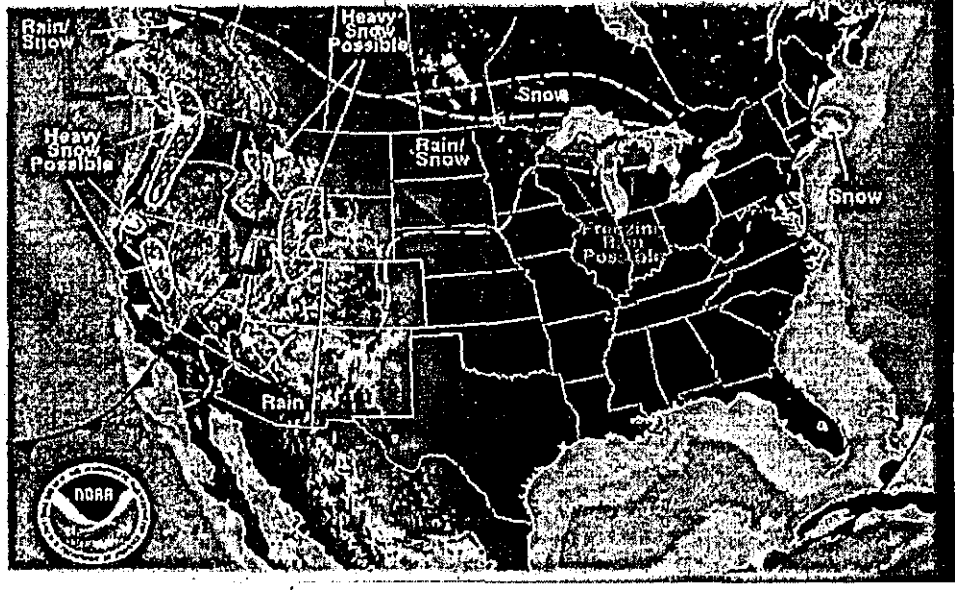
Day 1



Day 2



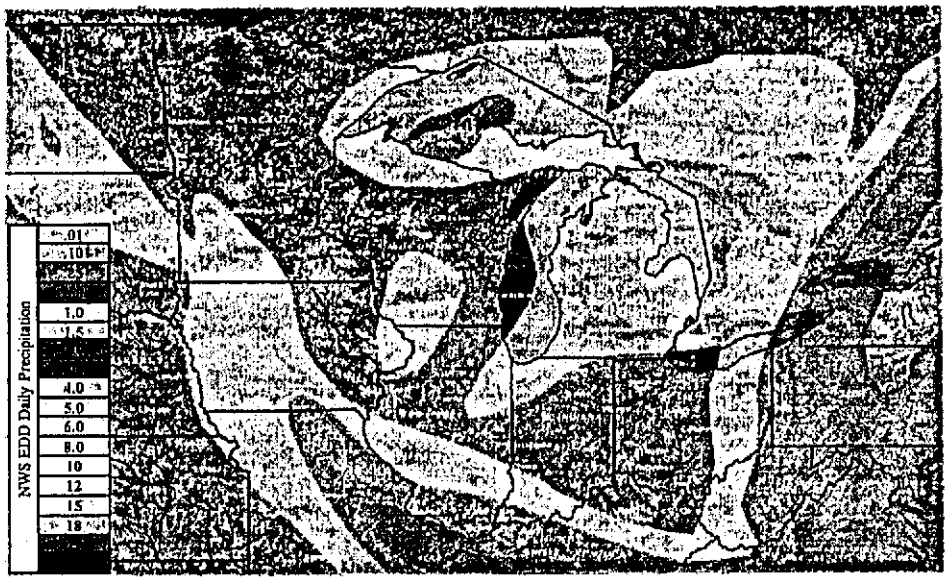
Day 3



FEMA
Region V

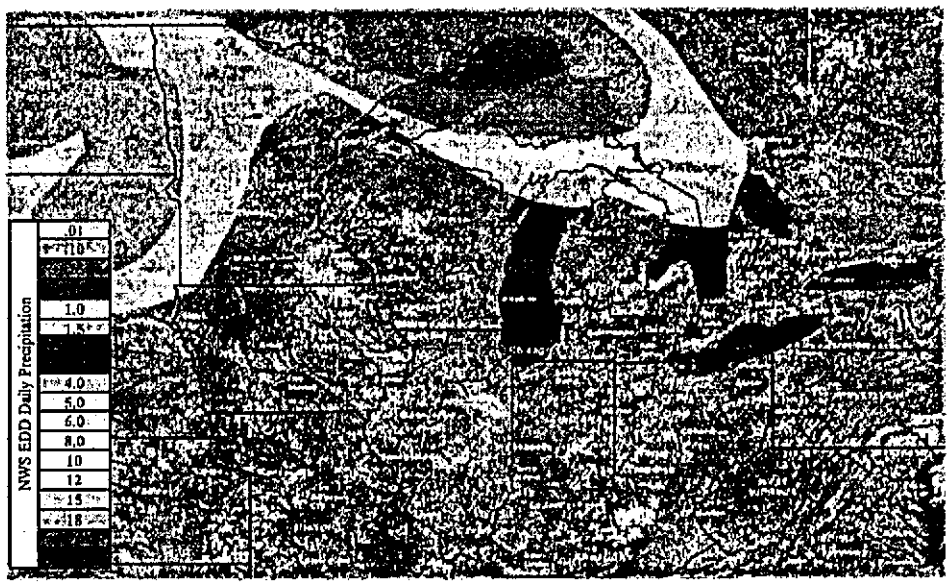
Precipitation Outlook

Day 1

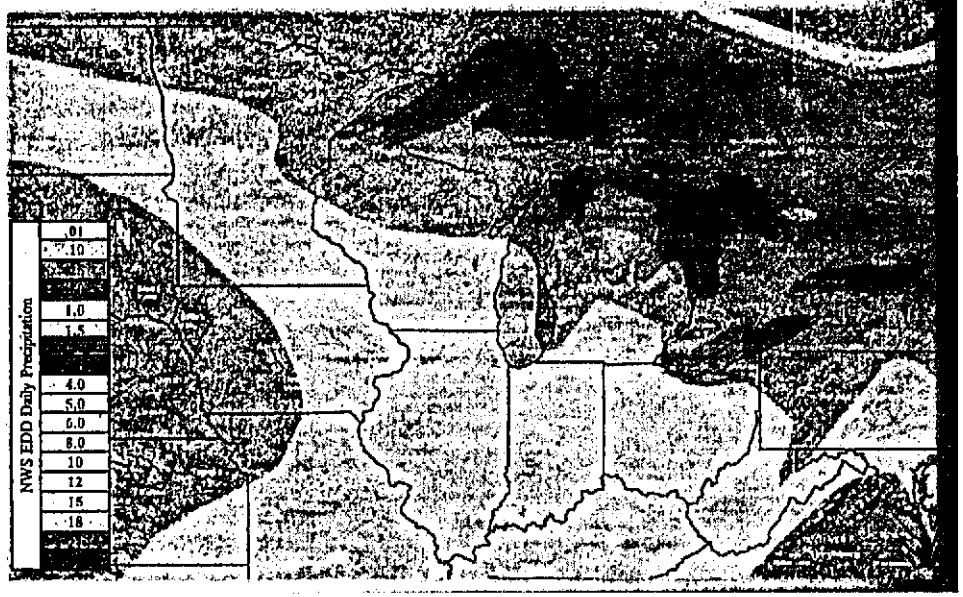


Day 2

Day 3



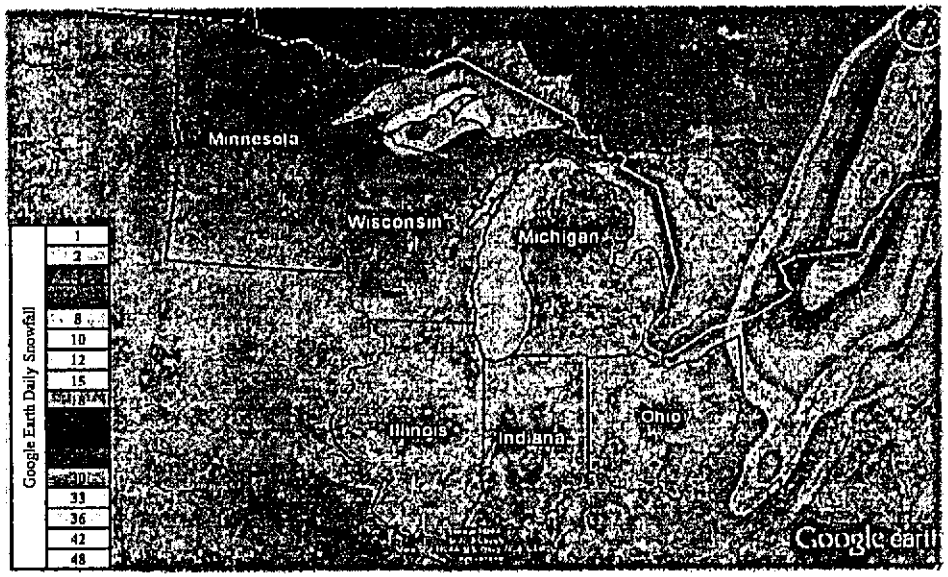
Day 4-5



FEMA
Region V

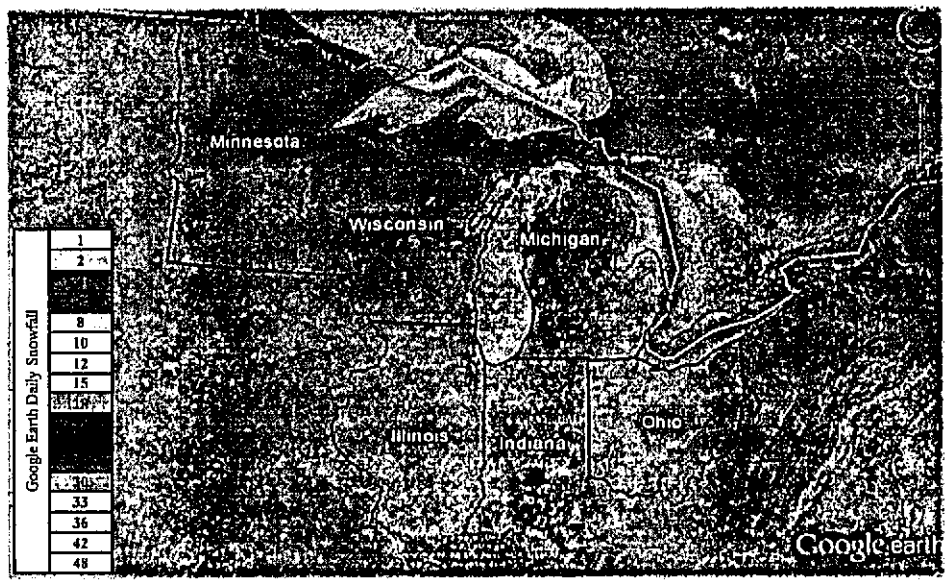
Daily Snowfall (at 50% probability)

Day 1



Day 2

Day 3

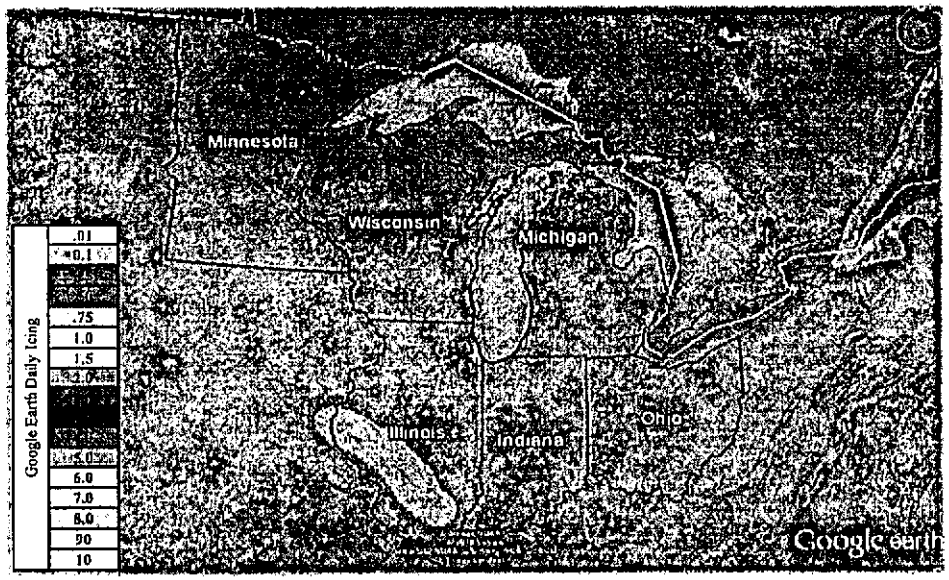


Day 1-3 Cumulative

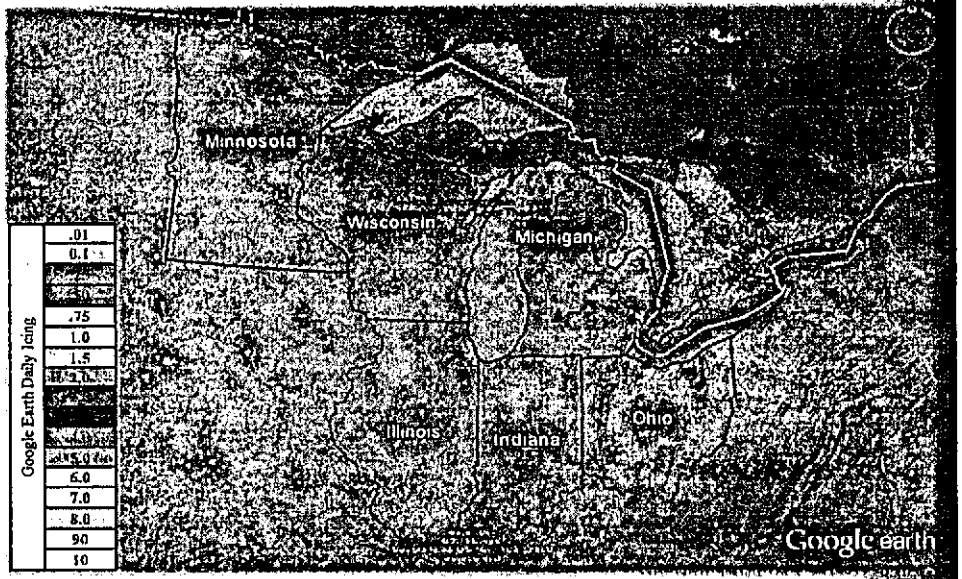
FEMA
Region V

Daily Icing (at 50% probability)

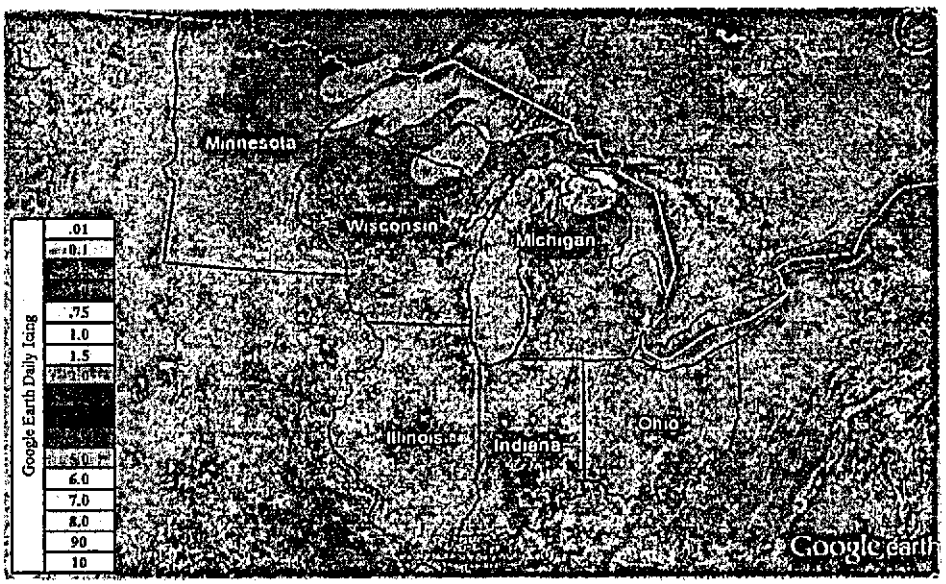
Day 1



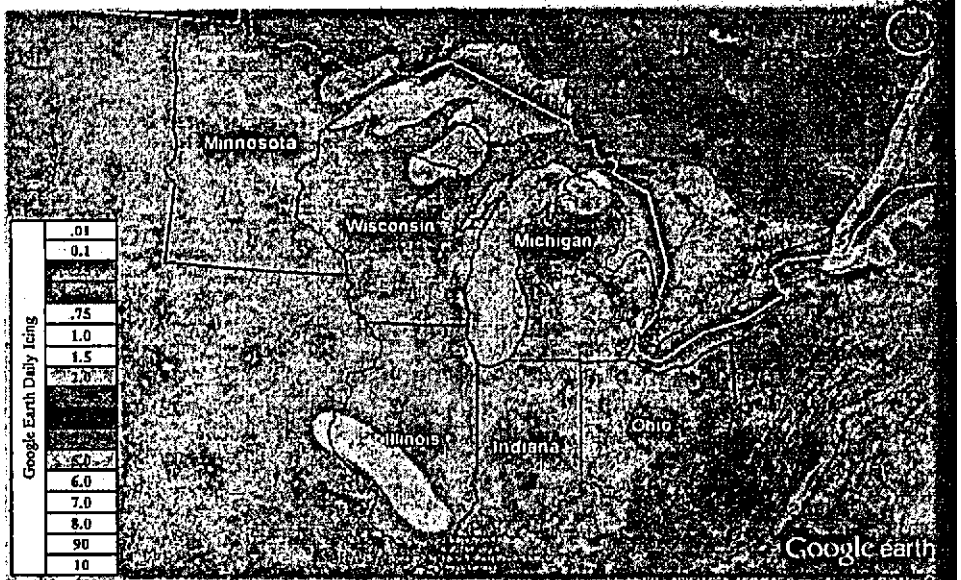
Day 2



Day 3



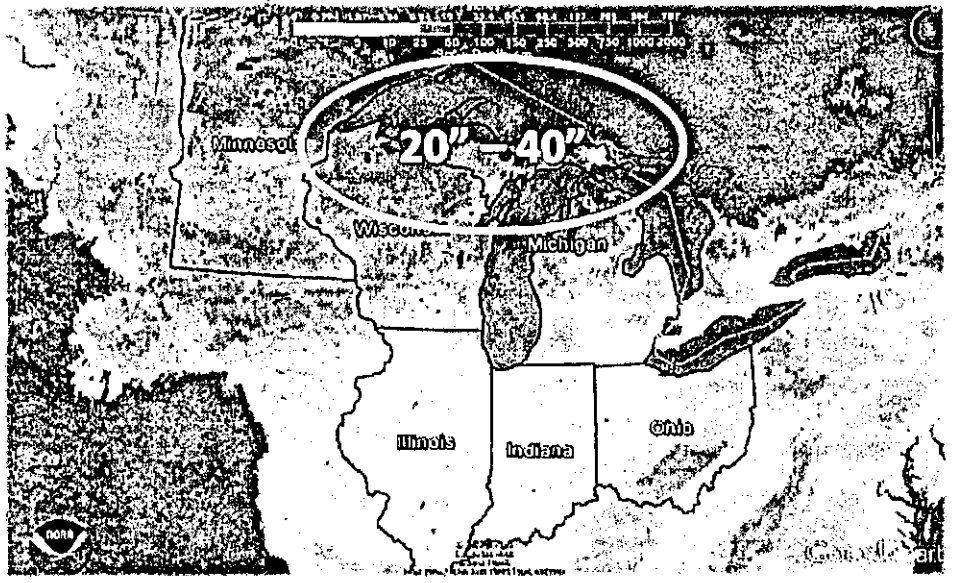
Day 1-3 Cumulative



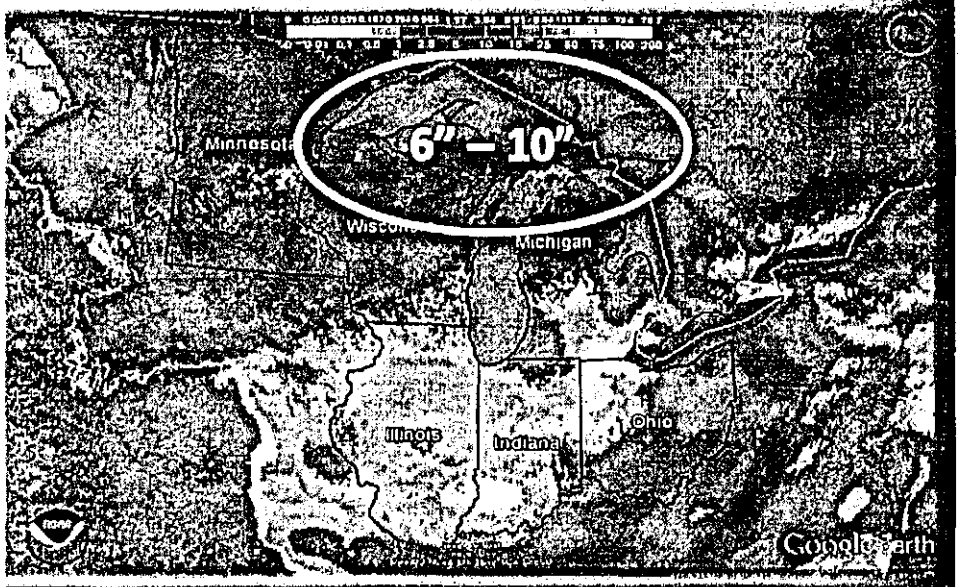
FEMA
Region V

Snow Analysis

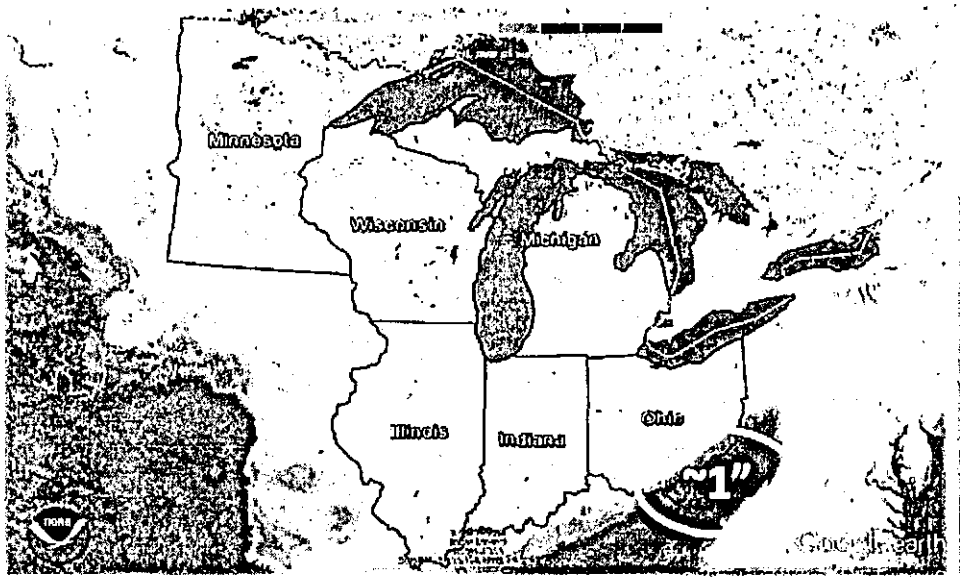
Snow Depth



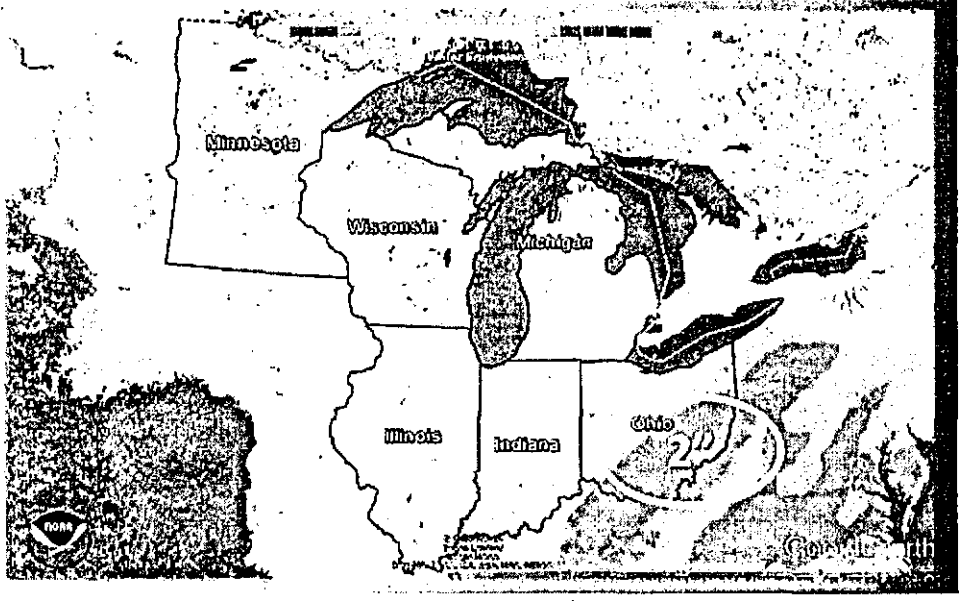
Snow Water Equivalent



Snow Melt (last 24 hours)



Snow Water Equivalent Change (last 24 hours)



FEMA
Region V

Mid-Range Weather Outlook

Day 4-5 Weather Outlook

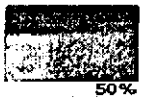
St Paul

Friday	Friday Night	Saturday
40%		
Chance Rain and Breezy	Partly Cloudy	Mostly Sunny
High: 44 °F	Low: 32 °F	High: 43 °F

Milwaukee

Friday	Friday Night	Saturday
40%		
Chance Rain and Breezy	Partly Cloudy and Breezy then Partly Cloudy	Mostly Sunny
High: 50 °F	Low: 38 °F	High: 46 °F

Detroit

Friday	Friday Night	Saturday
 50%		
Chance Showers and Breezy	Chance Rain/Snow and Breezy	Mostly Sunny
High: 49 °F	Low: 38 °F	High: 46 °F

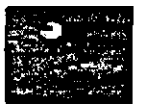
Chicago

Friday	Friday Night	Saturday
20%		
Slight Chance Showers and Breezy	Mostly Clear and Breezy then Mostly Clear	Sunny
High: 56 °F	Low: 38 °F	High: 50 °F

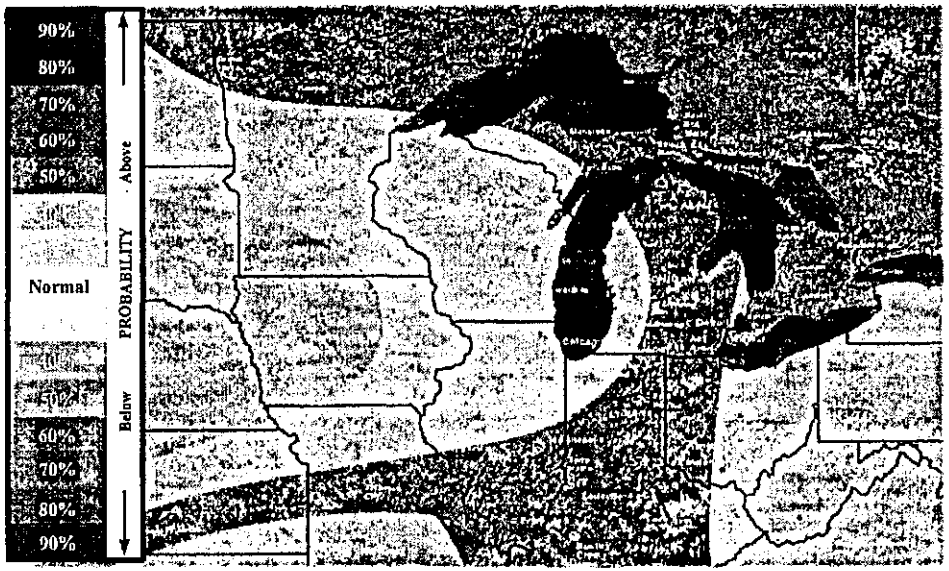
Indianapolis

Friday	Friday Night	Saturday
20%		
Slight Chance Rain and Breezy	Mostly Clear	Sunny
High: 59 °F	Low: 39 °F	High: 56 °F

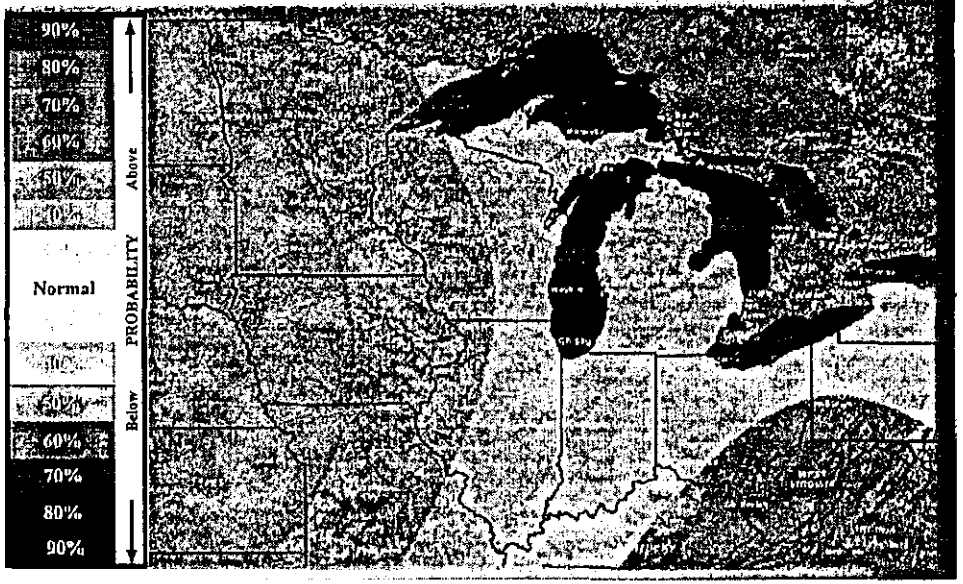
Columbus

Thursday Night	Friday	Friday Night
		
Mostly Cloudy	Partly Sunny	Mostly Cloudy
Low: 31 °F	High: 54 °F	Low: 40 °F

Day 6-10 Precipitation



Day 6-10 Temperature



FEMA
Region V

Declarations

State	Event	Event Date	Approved On	County Approvals	Remarks
MI FEMA-3375-EM	Water Emergency	April 25th and ongoing	Jan 16, 2016	1	Provides emergency assistance for water, water filters, water filter cartridges, water test kits and other necessary related items for a period of no more than 90 days for Genesee County.

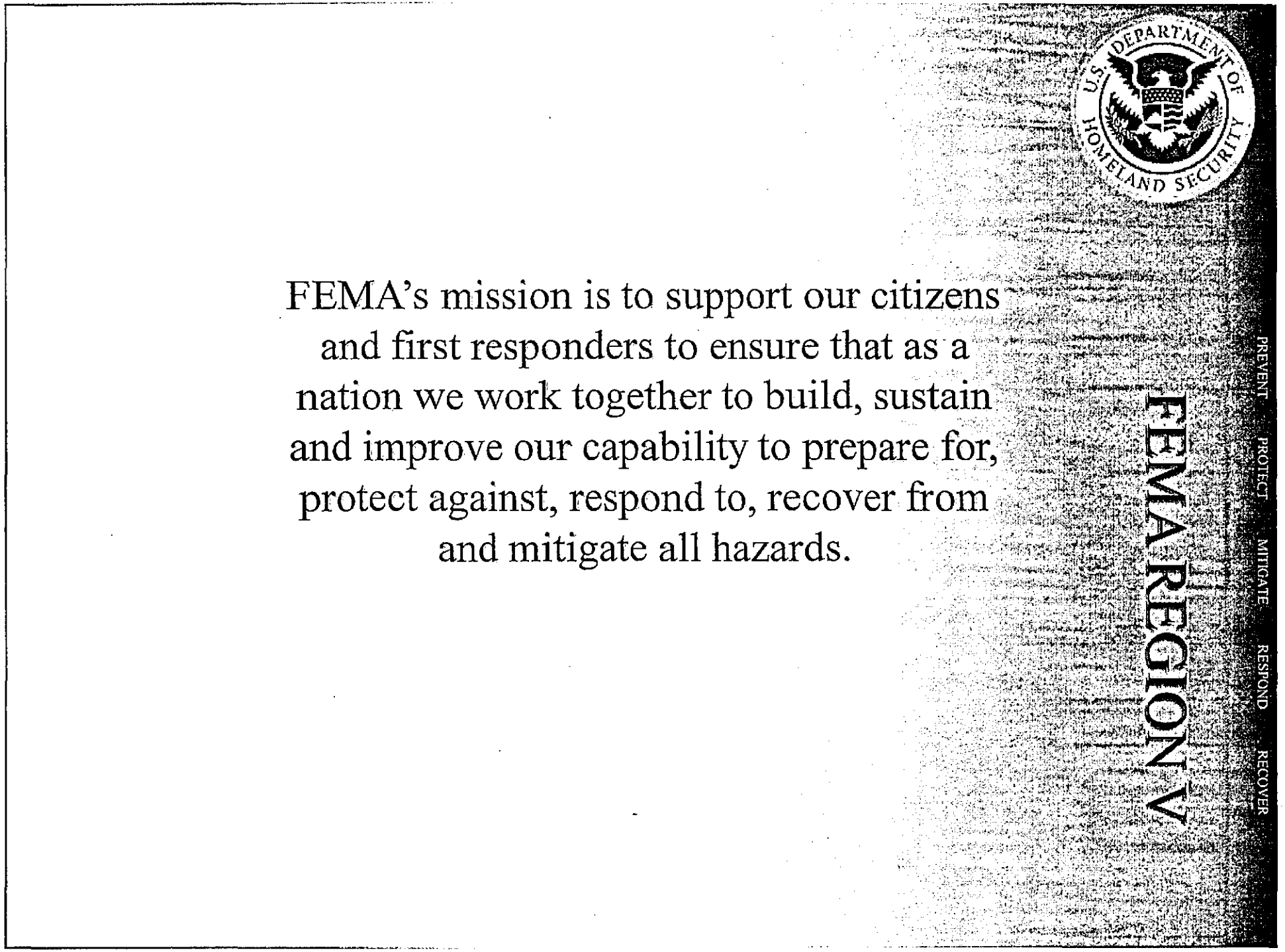
Declaration Requests

State	Event	Event Date	Status	Remarks
--	--	--	--	--

PDA Summary

State	Event	Event Date	Type	Requested	Completed	Start/End Dates
--	--	--	--	--	--	--
			--	--	--	--

(PA=Public Assistance; IA=Individual Assistance; HMGP=Hazard Mitigation)


FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain and improve our capability to prepare for, protect against, respond to, recover from and mitigate all hazards.
U.S. DEPARTMENT OF HOMELAND SECURITY
FEMA REGION V
PREVENT
PROTECT
MITIGATE
RESPOND
RECOVER

Responding to the Flint Water Crisis:
Federal, State, County and City Partners
February 10, 2016 Update

Federal agencies continue to work with state and local officials to respond to the Flint, Michigan, water crisis. Some 70 representatives from Federal agencies are co-located with state and local partners in Flint.

All levels of government are focusing their capabilities and resources on helping Flint residents recover from the water crisis. The community has shown great resilience and fortitude as it has confronted these essentially unprecedented circumstances and carried on despite the challenges.

For Flint Residents

For your questions about safe water Email flintwater@epa.gov, or call EPA's free hotline: 800-426-4791, English, español and other languages.

To get your water tested for free Email flintwater@cityofflint.com or call the Flint Water Plant: 810-787-6537

To get your blood tested or ask about skin rashes Call your primary care provider, or call 2-1-1

Odor If you're worried about the smell of your water: Call 810-787-6537

Crisis Counseling and Support : Call (800) 985-5990 or text TalkWithUs to 66746

Business Recover Center : Call (800)659-2955 or email disastercustomerservice@ sba.gov

Actions

Water Quality

To address immediate needs, government partners are working to provide safe drinking water for all Flint residents, by:

- Conducting water testing in Flint homes; more than 1,000 samples from 150 home have been collected so far

- Providing lead-removal faucet filters and replacement cartridges, to reduce lead levels in the tap water; water filters have been installed in all 2,350 privately owned homes that are overseen by HUD,
- Inspecting home drinking water systems for lead; the State of Michigan is scheduled to begin regular sampling (every two weeks) to monitor the city's water system.
- Distributing water bottles and water filters to home-delivered meal recipients,
- Showing residents how to clean accumulated debris from their home faucets, hot water heaters, and whole-house water filtration systems,
- Helping seniors and the disabled community install their water filters, and

As of today, FEMA and the State of Michigan have distributed nearly two million liters of water (1,913,982 liters) and FEMA has distributed 127,764 water filter replacement cartridges, plus 40,000 faucet and pitcher filters. Additional water contributions have come from private organizations and individuals across the country.

CDC and EPA are visiting homes with high lead levels or skin rash complaints to investigate and help ensure that Flint's water supply is as safe as possible.

EPA is working to understand the extent of lead contamination in the city's water supply by collecting drinking water samples from Flint homeowners and testing the city's water distribution system. EPA continues to post Flint sampling results by location on an interactive map at www.epa.gov/flint . The Agency has also established a hotline (800-426-4791) and an email address (flintwater@epa.gov) so that Flint residents can find results of water testing. The hotline provides immediate telephone translations into multiple languages.

Community Impact

Government partners are also looking further down the road to address the longer-term issues that are likely to arise.

A Strike Team for High Lead Homes will soon begin visiting homes with the highest lead levels to gather follow-up samples and provide information to residents.

HHS is working with the city, county, and state to ensure that children under 6 have the opportunity to have their blood sampled and analyzed for lead levels.

U.S. Public Health Service Commissioned Corps officers assisted the county health department in clearing a backlog of blood lead level screening results. The Federal team cataloged results of almost 800 finger-prick blood tests and packaged letters to parents providing test results and educational materials.

Government partners are also helping Flint officials tap into existing government funds to help address lead contamination in water and follow-up challenges.

- **TANF**: Help low-income families with children travel to testing and water distribution sites, by using USDA's TANF funds to buy bottled water and gas cards/bus passes to reach testing sites. TANF is USDA's Temporary Assistance for Needy Families program.
- **Food**: Flint schools can use certain USDA funds to buy foods high in Vitamin C, calcium and iron; these foods help block lead from getting into the blood; these foods are also being identified das important for the Flint food bank, which then distributes them to soup kitchens and food pantries as well as to other local agencies involved in food delivery.
- **WIC**: Participants in the WIC program can use their WIC vouchers to buy ready-to-feed infant formula, which does not need to be mixed with water, WIC is USDA's Special Supplemental Nutrition Program for Women, Infants, and Children.
- **Food at Schools**: Flint schools can use certain USDA funds to purchase foods high in Vitamin C, calcium, and iron that help block lead from getting into the blood,
- **Mental Health**: Flint children and families who experience emotional distress can call **(800) 985-5990** or text TalkWithUs to **66746** to talk to a trained crisis counselor.
- **Small Business Loans**: Flint business owners affected by lead contamination can apply for Small Business Association (SBA) economic injury loans. SBA will open a Business Recovery Center in Flint to administer the loans on February 10.
- **Homebuyers**: Responding to concerns that homebuyers in Flint cannot secure Federal Housing Administration (FHA)-insured loans, the Department of Housing and Urban Development (HUD) posted guidance on its website reiterating that FHA-insured loans can be made to eligible borrowers in the impacted area provided that a sufficient supply of safe and potable water is available through the installation of an eligible water purification system.

Federal Partners

As this is primarily a public health crisis, the U.S. Department of Health and Human Services (HHS) was designated as the lead federal agency responsible for coordinating the federal response and recovery efforts.

HHS has joined together with other federal, state and local partners to mobilize and strengthen existing programs. They are working to identify the size and scope of the water problem and to identify and carry out actions that will improve health and decrease the impact of exposure to lead.

Federal partners include the Federal Emergency Management Agency (FEMA), the Environmental Protection Agency (EPA), Small Business Administration (SBA), Department of Housing and Urban Development (HUD), Department of Education (DoEd) and the Department of Agriculture (USDA).

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CITY OF FLINT

INCIDENT ACTION PLAN

STATE OF EMERGENCY

Objectives:

To provide short term relief and long term solutions in addressing the man-made emergency of increased lead levels in the City of Flint (the "City") water system resulting from the switch to Flint River as the City's water source as well as the threat to public health related to elevated blood lead levels in Flint residents, without interruption of the provision of public safety and other essential public services. Due to the fluidic nature of emergencies and the complexity of the City of Flint's declared emergency, this plan serves as a framework and may be altered as the emergency develops.

The Response Framework

The purpose of this plan is to organize efforts on behalf of the city to assess the extent of the City's infrastructure needs and risks to public health, provide immediate relief to those who are at risk, and establish long term solutions. In addition, the city must ascertain what immediate relief and long term solutions the City is capable of implementing based on what resources are available. For any activities that are beyond the resource capacity of the City, external sources of funding, supplies, and manpower must be sought.

There are a number of steps that must be taken in accordance with the Flint Emergency Support Operations Plan (SEOP), in order for the City to be compliant with the Genesee County Emergency Action Guidelines. These include the activation of the Incident Management Team, the Emergency Operation Center, and the sharing of essential documents with the County, including this plan. Information must also be shared by the City's Public Information Officer on a regular basis, as required by the SEOP.

This plan calls for the provision of immediate relief to those at risk in our community. Special consideration must be given to residents who belong to underserved groups, such as those who are homebound, undocumented, in poverty, etc. Additional consideration must also be given to the equitable provision of services throughout our community in order to equally protect the health and safety of every member of our community.

Implementation of this plan is to be conducted by the Incident Management Team, which will monitor the effective delivery of goods and services in order to address the conditions of the emergency.

Understanding the Issue:

October 1, 2015, the Genesee County Health Department issued a Public Health Emergency after elevated blood-lead levels were found among children in the City of Flint. This incident correlates with elevated levels of lead found in the City's drinking water after the City switched water sources in April of

2014 to the Flint River. The scope of this problem appears to be limited to Flint City Water Customers and their dependents, not to exclude franchise customers (i.e. Burton, Flint Township, Genesee and Mount Morris Townships) Public agencies from several levels of government, as well as charitable, nonprofit organizations have partnered with the City to provide immediate relief to Flint residents, including the expansion of health services, the provision of bottled water and NSF rated water filters. The city is also seeking long term infrastructure improvements to eliminate lead and other contaminants from the water system.

Gov. Rick Snyder appointed a task force to review "actions regarding water use and testing in Flint" and to make recommendations for future guidelines: Members of the state task force are Ken Sikkema of Public Sector Consultants, Chris Kolb of the Michigan Environmental Council, Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center.

In an effort to halt the further escalation of this crisis, the City returned to receiving its water from the Detroit Water and Sewerage Department (DWSD) on October 16, 2015. Since that time, additional corrosion control program has started, estimating a reduction of lead levels over the next six months. In light of these efforts, concerns surrounding the quality of water and health of the residents persist to the point that Mayor Karen Weaver declared a State of Emergency on December 14, 2015 so as to resolve this crisis once and for all.

The current challenge facing the City is providing immediate relief and long term solutions of the quality of the water and health of residents while the City remains in a financially critical condition. It is hoped and expected that higher levels of government recognize this emergency as it pertains to the condition of the City's infrastructure and health of its residents, and do all things necessary to assist the City in the provision of relief and the execution of capital improvement projects that will eliminate the causes of this emergency.

Enhancing Understanding:

Information Collection

Essential Elements of Information (EEIs) can be qualified as the City's water tests containing lead results, the verification of lead water lines (both public and private), and health information. Water testing is performed by the City's water plant in cooperation with the MDEQ. The verification of lead water lines is being handled by University of Michigan Flint, who is currently digitizing the City's water line information and PSI Engineering, who is initiating the effort to verify lead lines by excavating an initial 150 residential lines. This information allows the Incident Management Team to assess the current

condition of the emergency by way of determining the water quality and the condition of the water distribution infrastructure.

Information Analysis

The City has sought partners to assist in the analysis and evaluation of complex data. Wayne State University's center for Urban Studies will serve a supporting role to assist the City efforts to document and track lead water lines, water test results, and filter distribution with geographic information system (GIS) technology. This allows for clear and precise information to be presented to officials.

Assessment of Impacts

The City will need assistance in determining the total cost of damage done to the public health and infrastructure. As of now, only portions of this damage are visible.

PSI is providing some assistance by excavating 150 residential water lines to verify that they are comprised of lead. This is an initial step, but not enough. More resources will be needed to continue this process.

Continuous Situational Awareness

It is important that the Incident Management Team receive continuous information regarding water testing results, lead water line numbers, and filter distribution information in order to gain a realistic and current perspective. Much of this information is currently available on the City's website (cityofflint.com) and more is added each week by the PIO team.

Actions taken in Response to the Emergency

Activation of the Incident Management Team

Upon the declaration of Emergency by Mayor Weaver, the Support Emergency Operations Plan (SEOP) was activated. The SEOP calls upon the Incident Management Team to generate the Incident Action Plan (IAP. Each member of this team serves a specific function as it relates to addressing the causes and effects of the emergency. The Emergency Management Team roster can be found in the SEOP on page 3, with a list of alternates on page 4 in case the need for succession arises.

Emergency Operations Center

The Emergency Operations Center (EOC) must be activated upon the declaration of a State of Emergency by the Mayor. This center is required by the SEOP and serves as a nerve center for the Incident Management Team. Here, emergency relief efforts are coordinated by key members of the

Incident Management Team. In this case, these relief efforts consist of the distribution of water filters at City Hall and community events, the distribution of bottled water throughout the city in conjunction with the efforts of community partners, and assisting with the circulation of water testing kits throughout the community. The EOC will also be monitoring and managing the inventory of relief supplies, such as water filters and bottled water.

According to the SEOP, the EOC must establish an incident tracking system. This system will serve as a work plan for the management of the emergency. In addition, it is essential that the IMT record water testing results, lead water line location information, and information about the distribution of water filters and bottled water all in one place so that information is readily available for the Incident Management Team. This information will also be sent out to the public and media in the form of daily regular updates by the City's PIO.

Communication

The EOC maintains a telephone system that exists to intake questions about relief efforts and to organize relief logistics. It is open from 8am to 5pm, Monday through Friday. A voicemail system and eventual email system will exist to handle requests and inquiries that occur outside of the normal operating hours. This system will be constructed by the City's IT department.

Public Awareness and Education

1. **Emergency Alerts and Updates:**
   The City's Public Information Officer will make available information as it relates to the emergency in the form of press releases, emails, and physical documents. Daily updates containing information on the distribution of water filters, bottled water, water testing, blood lead testing, and other relief efforts will be available on the City's website for the public to view. Information will be available at City Hall for residents. 211 is an important resource to receive information about where to get water filters and other important updates. The PIO will regularly be in contact with 211 personnel to ascertain the frequency and content of inquiries in order to continuously provide relevant information.

2. **Joint Information Center:**
   The City's PIO will establish a joint Information Center that is organized to coordinate the efforts of multiple agencies to communicate with the public. This includes the circulation of joint press releases, public health information, educational materials, and updates relating to the State of Emergency. This committee is comprised of public information officers and public relations personnel to coordinate efforts to keep the public updated and informed. Regular updates to the media regarding events and progress will be made as news develops.

The US EPA has offered assistance in the form of Public Information support. Additional support in this area has been provided by the Michigan State Police.

3. **Education:**
   Many government agencies and philanthropic organizations are already distributing information regarding the effects of lead on public health. It is important that the City assist in these efforts so vital information and knowledge is presented to all members of the community. The goal is to continue to eliminate misunderstandings and incorrect information as it relates to reducing lead in drinking water, pursuing medical help, and maintaining a healthy diet to reduce lead absorption in the body. Lead education is currently being performed by the Genesee County Health Department, the Michigan Department of Health and Human Services and Medical community at-large.

Assessment of Social Needs

In order to effectively and equitably provide immediate relief to Flint water customers, the City must take into account many of the socio-economic needs and limitations of the community. Some residents cannot get to City Hall for a water filter. Some residents do not have internet access. Literacy or a language barrier may also pose significant obstacles to the effective distribution of educational information and relief to those in need. These will be continuing challenges facing the community. At present these are the resources the City has available to mitigate some of those challenges.

Logistics

Logistics are being coordinated by the City Emergency Management Team's City's *Chief Logistics Officer*, who is the City Administrator. The CLO is responsible for the coordination, procurement, and transportation of goods and services, which is essential for effective implementation of the response plan.

Fixed Distribution Points

There are several locations throughout the City, coordinated by Genesee County Health Department, where residents may acquire a water filter. These locations are:

Flint City Hall
1101 South Saginaw, Flint MI 48502

Genesee County Community Action Resource Department (GCCARD)
601 North Saginaw, Flint MI 48502
and
2727 Lippencott Blvd, Flint MI 48507

Michigan Department of Health and Human Services
4809 Clio Road, Flint MI 48504
and
125 E. Union Street, Flint, MI 48502

Activation of Ward Distribution Centers

Each of the nine wards will have activated distribution centers that are primarily managed by City Council Members or their designees.

Flint City Council – Water Distribution Sites

WARD	COUNCILPERSON	LOCATION	ADDRESS
1	Eric Mays	Hasselbring Senior Center	1002 W. Home Avenue
2	Jackie Poplar	Joy Tabernacle Church	2505 N. Chevrolet Avenue
3	Kerry Nelson	Antioch Baptist Church	1083 E. Stewart Avenue
4	Joshua Freeman	Flint Fire Station No. 5	3402 Western Road
5	Wantwaz Davis	Doyle/Ryder Elementary School	1040 N. Saginaw Street
6	Herbert Winfrey	New Community Baptist Church	1375 Lavender Avenue
7	Monica Galloway	Brennan Community Center	1301 Pingree Avenue
8	Vicki VanBuren	Flint Southwestern Academy	1420 W. 12th Street
9	Scott Kincaid	Dort Mall Police Service Station	3600 S. Dort Highway

Mobile Distribution Centers

The city can help establish mobile distribution centers and delivery systems with the help of transportation agencies, like the Metro Transit Authority (MTA), Meals on Wheels, and GCCARD that can provide water filters, bottled water, and nutritious foods, among other types of relief accompanied by educational materials to neighborhoods and to homes of people who experience limited mobility.

- Mass Transportation Authority-MTA bus passes: Assisting residents with bus passes to improve their mobility will increase their chances of receiving help. Transportation services will also improve residents' access to medical care.
- MTA-Your Ride mobile distribution:
    - Estimated Costs: $25 per hour to deliver water and filters to homes throughout the City.

Problem 1. Public Health Emergency

The first objective in addressing this emergency is reducing, and eventually eliminating, the danger to public health. As City water coming out of faucets continue to contain lead, and copper and other harmful contaminants exceeding government guidelines and regulations, it poses a risk to the people of our community. Preventative measures must be taken to avoid the effects of toxicosis that are difficult if not impossible to completely reverse.

As far as preventative measures are concerned, education, water filters, and bottled water must be provided to every household in the City in order to reduce the chances of lead exposure, especially to our most vulnerable members of the community. If lead exposure has occurred, resulting in elevated blood lead levels, immediate and sustained medical attention must be available to those affected. Health services must be expanded in the area to accommodate increased numbers of case loads and specialized care regarding lead poisoning and its effects.

Immediate Relief for Public Health:

1. Prevention: Education, water filters and replacement cartridges, free water testing, and bottled water must be available to everyone.
2. Access to nutritious food that reduces the risks of lead absorption by the body. The City can coordinate activities with the County Health Department.
3. Genesee County Health Department comprehensive plan to address immediate and long term health issues for segments of the population.

Long Term Solutions: Maintaining Public Health and Coping with Lead Exposure

1. Work closely with the Genesee County Health Department and Michigan Department of Health and Human Services in order to provide sustainable care and monitoring of children exposed to lead. This care must be available for them for several years-preferably several decades.
2. Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening and testing.
3. Improved access to developmental and behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists.
    a. Pre-emptive referral to mental health/ toxic stress screenings.
    b. Support capacity building and or incentivize recruitment to allow Genesee Health System (GHS) to build this capacity which is currently needed and lacking.
4. Increase recognition and education regarding trauma informed care, social determinants of health (SDOH).
5. Expand State funded Genesee Health System (GHS) services.

a. Infant mental health (30 day capacity)
b. Child case management
c. Home based services
d. Trauma informed care- trauma focused CBT

Problem 2. Lead Contamination in the Water

Immediate Relief:

1. Education, water filters and replacement cartridges, free water testing for water customers, and bottled water must be available to everyone. Water filters can be obtained at any of the fixed distribution points throughout the City.
2. Identification and verification of lead water service lines throughout the city- both public and private.
3. Assistance to identify lead pipes within buildings and homes.

Distribution of Bottled Water:

At this point, we are directing all offers for donations to the Food Bank of Eastern Michigan. It is imperative that water be accessible to all members of the community through a variety of distribution channels. These channels are explained in the Logistics Section of this plan.

Distribution of Test Bottles:

Water testing kits can be picked up at City Hall with instructions. Test results are posted on the City's website to raise public awareness and encourage more participation.

Long term Solutions: Capital Improvements Needs

The distribution of filters, water, and food to counter the effects of lead are essential response efforts to keep people safe. However, long term solutions are required to keep people healthy, to eliminate lead from the public and private water distribution system distribution, and to provide affordable clean water. Our public infrastructure and utilities must be reliable, sustainable, and equitable in order for this community to rebound after this emergency. The following long term solutions must be implemented in order to set the City of Flint on a course for recovery. These solutions come at a heavy cost for a City that is currently in receivership. The City has experienced financial distress due to this Emergency, in addition to a two million dollar loss from switching back to DWSD. The City has diligently applied for Fiscally Distressed Cities, Villages, and Townships Grant in order to supplement funding for capital improvement projects. It is essential that these grants be awarded in order to achieve long term solutions.

1. COMPLETE **Transition to a Temporary Safe Water Source until the Completion of KWA:**
   This has already occurred. On October 16, 2015, Flint returned to receiving its water from DWSD on a 9 month agreement. This agreement will expire in June 2016, when the KWA is projected to be complete. The City had to pay $2 million out of its general fund to make this switch.

2. IN PROGRESS **Additional Corrosion Control added to the Water System:**
   This is already occurring. In early December, 2015, Flint began to add additional corrosion control to the water coming in from DWSD in attempts to rebuild the protective scale inside its pipes. This is estimated to reduce lead levels in two to six months.

3. **Faucet Replacement:**
   Replacement of Water faucets, and drinking fountains in the school system. It has been determined after state inspections that many sources of lead contamination in the School System's water were the faucets themselves. These faucets need to be replaced.

4. **Water Line Replacement:**
   Water Line Replacement to reduce antiquated infrastructure and lead service lines. These lines must be identified, verified, and replaced. Residents who are facing financial hardships must have access to assistance to cover the costs of these replacements through access to grants and (forgivable) loans made available through State and Federal agencies. The corrosion damage to public and private lines that Flint River water caused is still being determined.
   - Replacement of an estimated fifteen thousand (15,000) lead service lines at an estimated cost of three thousand dollars ($3,000) per line. Total costs forty –five million dollars ($45,000,000).

5. **Reimbursement of Critical Expenditures:**
   Seeking reimbursement of two million dollar cost of returning to DWSD and forgiveness of Water Revolving Loan Debt from the State of Michigan.

6. **KWA Capital Improvements:** The City has reconnected to Detroit temporarily until a water line from Port Huron is developed. The new water line known as the KWA pipeline or Karegnondi Water Authority is expected to bring water to the City from Lake Huron by July. The current cost agreement between Flint and DWSD is for nine months, therefore it is imperative that KWA be completed as soon as possible. Assistance relating to capital improvements to expedite this process will help to achieve long term goals.

KWA Capital Improvements:	Estimated Costs:

a.	*Transfer Station to Dort Reservoir*	*$4,500,000*
b.	*Raw water line to pump station #4*	*$636,000*
c.	*Phosphoric acid feed system*	*$186,000*
d.	*Alum Feed system*	*$40,000*
e.	*Post filtration system*	*$387,289*
f.	*SCADA Upgrades*	*$424,000*
g.	*Sewer Relining*	*$100,000*
	Total	***$6,273,289***

Ancillary Considerations: Public Safety during an Emergency

During a time of emergency public safety agencies need to be prepared to respond to threats to public safety and critical infrastructure. The City is facing a man-made emergency that is threatening the public health. Resentment and hostility toward local institutions and municipal government is at a significant level.

Critical infrastructure should be safeguarded if the need arises. This includes increasing security at City Hall to reduce potential for public safety risks. In the case of credible threats to public infrastructure, it may be required to hire private security company for first line of defense. Private Security is lower cost, thereby making it the first option. The minimum response is acted upon first, elevating only if the need arises. Credible or imminent threats of damage or destruction to critical infrastructure requires an elevated response. Such needs may require over-time police officers to address critical situations. Mutual aid from surrounding communities can be requested if Flint public safety is overextended.

Implementation:

Community Partners

Financial limitations of the city persist while it confronts this emergency. Many community partners have offered their assistance to perform various needed functions. The city is heavily reliant on the assistance that government agencies and nonprofit organizations have provided.

The Ruth and C.S. Mott Foundations

The C.S. Mott Foundation has provided financial assistance, especially in their generous contribution of $4 million for the reconnection to DWSD.

United Way

The Genesee County United Way has provided significant financial assistance in the way of purchasing and helping to distribute water filters since the Public Health Emergency began on October 1st, 2015.

Genesee County Community Action Resources Department (GCCARD)

GCCARD is organized to fight poverty and has been a primary partner in the distribution of water filters. It has also regularly supported the city with the logistics and availability of water filters at City Hall.

Genesee County Health Department

Has provided educational information to Flint Water customers concerning lead and public health. They have also diligently provided prevention information

Genesee County Board of Commissioners

The Board of Commissioners have pledged their support to help Flint seek solutions to this crisis. The Board has already assisted in making health and nutrition information available to the public. On October 1, 2015, Genesee County declared a Public Health Emergency recommending that people not drink the water coming from the City of Flint.

Assistance from Wayne State University

Wayne State University's Center for Urban Studies will be providing technical GIS support to assist in the documentation of emergency relief efforts and program evaluation guidance to ensure implementation effectiveness.

The US Environmental Protection Agency

Region 5 EPA has offered assistance with Public Information distribution during the emergency.

Outside Help is still needed...

The City of Flint is forever thankful to our community partners who have given so much to help so many people. However the magnitude of this emergency calls for more resources that are beyond the capacity of the combined local organizations and government agencies. Long term solutions will require a heavy investment in health care and capital improvement projects to upgrade the city's antiquated water distribution system.

- Help with Immediate Relief in terms of assuring allocative efficiency. Distribution should be equitable- assistance from other governments required to assure this.
- Reaching communities for the distribution of water filters, water, and educational materials.

- Help with Water Testing to increase participation and lead education.
- Increasing the rate of water testing
- Assistance is required to fund essential capital improvement projects to guarantee clean and safe water.

Prepared jointly by the City of Flint's Emergency Operations Center and the Genesee County Emergency Operations Center

Prepared by:
Sean Kenneth Kammer, City of Flint Assistant to the City Administrator and Interim Public Information Officer

Contributors:
Karen Weaver, City of Flint Mayor
Jamie Curtis, Genesee County Board of Commissioners Chairman
Chris DeVriendt, Genesee County Emergency Management Program Coordinator
Natasha L. Henderson, City of Flint City Administrator
Kerry Nelson, City of Flint City Council President
Maxine Murray, City of Flint Executive Assistant to the Mayor
Jody Lundquist, City of Flint Finance Director
James Tolbert, City of Flint Chief of Police
David Cox, City of Flint, Fire Chief
Kay Muhammad, City of Flint Transportation Director
Michael Glasgow, City of Flint Utilities Director

_____ _____

Karen Weaver, Mayor
City of Flint

Date

_____ _____

Jamie Curtis, County Board Chairman
Genesee County

Date

Hub Based

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- Who is responsible for doing it?
- How do we communicate with each other?
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Measurable – How will achievements be measured?
Action Oriented – Is an action verb used to describe expected accomplishments?
Realistic – Is the outcome achievable with given available resources?
Time Sensitive – What is the timeframe?

HUB churches will network with surrounding churches and establish agreed upon distribution schedules.

HUB churches will provide the list of churches that will obtain their water from the HUB church. This list will be sent to Lt. Roach at Roachb@michigan.gov.

Each ward will have one central church to be the Hub for water distribution for that area/ward. Within that ward will be the 3 sub-Hubs that will provide services to that area. Each hub will have the following:

- Loaders (National Guard/Sheriff work detail)
- Admin (Address look-up to direct you to your nearest hub)
- Water
- Water filters/replacement cartridges
- Home water test kits
- Provide mobile lead testing clinic, twice a week for individuals without insurance. The mobile clinics will ONLY be at the ward hubs. There will be no door to door clinics. Once tested, residents will receive a lead awareness nutrition booklet which will provide education on lead prevention tips for families.
- Recycling center for the empty water bottles will be placed at all 9 ward hubs.

Current Burn Rates

Station 3	2,404 cases/day
Station 6	2,362 cases/day
Station 8	2,299 cases/day
Station 1	2,248 cases/day
Station 5	1,663 cases/day

Requests for Water

The Church HUB point of contact is Lt. Roach 517-819-0841. The Church HUB will call and provide the quantity of water, and schedule the delivery time, at least 24 hours in advance.

Deliveries

Deliveries will be conducted by a MI DTMB driver, and truck. They have a pallet jack and the capability of moving pallets from their truck to a staging area. If the water needs to be transported to an upper or lower level, people will need to be available to help off-load.

Church Distributions

The Church Distribution HUB will be responsible to network with the surrounding churches, and set up distribution schedules, including amounts of water needed.

Michigan State Police Points of Contact

Lt. B.J. Roach 517-819-0841, Roachb@michigan.gov
Lt. Mark A. Russo 616-299-9312, Russom2@michigan.gov

CHURCH DISTRIBUTION HUBS

NORTH
Foss Avenue Baptist Church
1159 East Foss Avenue, Flint MI
Pastor Flynn 810-965-1515
Point of Contact: Jackie Scott 810-787-9019
Delivery: 4 pallets starting 2-2-2016 @ 12:30 pm

NORTH WEST
St. Mark Baptist Church
3020 DuPont NE, Flint MI
Pastor Thompson 810-280-9985
Point of Contact: Angie George 810-955-6297/810-234-6609
Delivery: 25 pallets starting 1-29-2016 @ 11:00 am

SOUTH CENTRAL
El-Shaddai Church of God in Christ
920 Walnut, Flint MI
Pastor Steve Hawkins
Point of Contact: Elder Eddie Kennedy 810-513-6762
Delivery: 20 pallets starting 1-29-2016 @ 9:00 am

SOUTH EAST
Grace Emmanuel Baptist Church
3502 Lapeer Road, Flint MI
Pastor Jennings 810-743-3900
Point of Contact: Glenna Gates 810-449-7853
Delivery: 8 pallets starting 1-30-2015 @ 10:00 am

SOUTH
Divine Revelations
902 Huron Street, Flint MI
Pastor Williams 810-931-0310
Delivery: 25 pallets starting 1-30-2016 @ 11:00 am

Hubs

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St. Mark	3020 DuPont				
El-Shaddai	920 Walnut				
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Neighborhood PODs

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Mt. Zion Baptist	2109 MLK				
Met Baptist	930 E Myrtle				
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Mt. Calvary Baptist	4805 N Saginaw				
Asbury UM	1653 Davidson				
Christ Fellowship Baptist	317 E Hamilton				
Gospel Temple Baptist	735 Wager				
New Israel	3417 N Saginaw				
St. Paul Baptist	2115 W Coldwater				
Mt. Sinai	1215 E Downing				
Mt. Pisgah	6415 N Clio				
Joy Tabernacle	2505 N Chevrolet				

FairHaven Baptist	1379 Louis
Vernon Chapel	5802 DuPont
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Triumph Church	1657 Broadway
New Life Missionary Baptist	931 E Hamilton
Macedonia Missionary	5443 Saginaw
Gethsemane Missionary Baptist	1258 E Humphrey
OL Guadalupe	
Police Stations	
Community Centers	

Wards

1st Ward – Eric Mays	810-922-4860
2nd Ward – Jacqueline Poplar	810-766-7418 x3162
3rd Ward – Kerry Nelson	810-766-7418 x3161
4th Ward – temporarily vacant	
5th Ward – Wantwaz Davis	810-766-7418 x3167
6th Ward – Herbert Winfrey	810-766-7418 x3165
7th Ward – Monica Galloway	810-766-7418 x3163
8th Ward – Vicki VanBuren	810-766-7418 x3159
9th Ward – Scott Kincaid	810-766-7418 x3158

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Metropolitan Baptist Church	930 E. Mrytle Street, Flint mi	Pastor Herbert Miller	336.240.1634
Mt. Carmel Baptist Church	1610 W. Pierson Road, Flint Mi	Pastor James Kennefy	810.691.5347
Mt. Calvary Baptist Church	4805 N. Saginaw, Flint MI	Pastor Henry Fuller	810.787.2563
Grace Emmanuel Bapist Church	3502 Lapeer Road, Flint Mi 48503	Pastor Marvin Jennings	810.743.3900
Asbury United Methodist Church	1653 Davidson Road, Flint Mi	Pastor Tommy McDoniel	248.705.4401
Christ Fellowship Baptist Church	317 E. Hamilton Ave., Flint Mi	Dea Gilcrest	810.238.9605
Gospel Temple Baptist Church	735 Wager, Flint, MI	Pastor Lewis	810.814.0045
New Israel Missionary Baptist Church	3417 N. Saginaw St., Flint, MI	Pastor Daniel Bridges	810.516.0478
St. Paul Baptist Church	2115 W. Coldwater Rd, Flint, MI	Pastor Pettigrew	810.964.3755
Mt. Sinia Missionary Church	1215 E. Downing Ave., Flint, MI	Pastor Collins	810.394.4772
Mt. Pisgah	6415 N. Clio Rd	Pastor Hill	810.938.6672
Joy Tabernacle Church	2505 N. Chevrolet, Flint, MI	Pastor Denard Robinson	313.258.8967
FairHaven Baptist Church	1379 Louis Ave, Flint, MI	Cassandra	810.813.5702
Vernon Chapel	5802 DuPont St, Flint, MI	Rev. Helen Williams	810.814.0243
Galilean Baptist Church	109 W. Holbrook Ave	Pastor Sean Payne	810.814.5974
Triumph Church	1657 Broadway Blvd., Flint, MI	Cedric Scott	810.610.9590
New Life Missionary Baptist Church	931 E. Hamilton Ave	Pastor Campbell	810.240.1337
Macedonia Missionary Baptist Church	G5443 Saginaw St	Decon Lever	810.875.7650
Gethsemane Missionary Baptist Church	1258 E. Humphrey St	Pastor Randolph	989-695-9880

Comments	Needed as of 1/30/16
	part of hub plan committee, left message
	HUB plan
	left message
	All set,,, they will coordinate with EOC Lt. Roach if they need a large delivery
	ok for today and tomorrow. They will reach out to HUBs or possibly the EOC Lt Roach
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	2 Pallets of water and 50 filters with replacments. Call first so he can make sure someone is there.
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Charlie Clark	Nothing needed
	Nothing needed
	Filters and replacements
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Mt. Sinia Missionary Church	1215 E. Downing Ave., Flint, MI	Pastor Collins	810.394.4772
Mt. Pisgah	6415 N. Clio Rd	Pastor Hill	810.938.6672
Joy Tabernacle Church	2505 N. Chevrolet, Flint, MI	Pastor Denard Robinson	313.258.8967
FairHaven Baptist Church	1379 Louis Ave, Flint, MI	Cassandra	810.813.5702
Vernon Chapel	5802 DuPont St, Flint, MI	Rev. Helen Williams	810.814.0243
Galilean Baptist Church	109 W. Holbrook Ave	Pastor Sean Payne	810.814.5974
Triumph Church	1657 Broadway Blvd., Flint, MI	Cedric Scott	810.610.9590
New Life Missionary Baptist Church	931 E. Hamilton Ave	Pastor Campbell	810.240.1337
Macedonia Missionary Baptist Church	G5443 Saginaw St	Decon Lever	810.875.7650
Gethsemane Missionary Baptist Church	1258 E. Humphrey St	Pastor Randolph	989-695-9880

Comments	Needed as of 1/30/16
	part of hub plan committee, left message
	HUB plan
	left message
	All set,,, they will coordinate with EOC Lt. Roach if they need a large delivery
	ok for today and tomorrow. They will reach out to HUBs or possibly the EOC Lt Roach
Glenna Gates 810-449-7853	HUB plan site
	ok as of today. They will call next week if they need any.
	left message
	ok as of today. That will be reaching out to HUB, or schedule large deliveries with EOC Lt. Roach
	3 pallet to be delivered Monday
	Number not working.
	Requesting 50 cases of water to be delivered on Sunday after 2PM.
	50 filters will call back with time to deliver.
	2 Pallets of water and 50 filters with replacments. Call first so he can make sure someone is there.
	Nothing needed
Charlie Clark 810.394.5534	Nothing needed
	Nothing needed
313.386.8044	Filters and replacements
	Test kits
	3 pallets of water and need filters with replacments. Tuesday morning delivery. Call first!!
	No correct number. Called church number no answer

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- The 2-1-1 system was used to address all questions and serve as the primary Point of Contact (POC) for all special needs requests (hot shots).
- The Initial Distribution was completed the morning of January 21.

Surge

- A resource surge, including 38 National Guard and American Red Cross canvassing teams began January 21. On the weekend, this increased by an additional 30 Red Cross teams.
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- Every household was identified as having been reached with resources, or with information left at the door with instructions for having resources delivered.
- Canvassing was based on geographic areas to assure they were covered where risks of lead contamination and vulnerable populations were known to be higher.
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- The PODS staffed by the National Guard continued at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits.
- Messaging focused on distribution of water, filters, cartridges, and test kits.
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- The Surge was completed January 24; remaining hot shots will continue to be served by ARC or other volunteer teams (National Guard and MSP can also be recalled if additional resources are needed.

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- Goal – Transition to full coverage and streamlined processes.
  - Metric – One year of availability and supply of water and other commodities to every household and franchise customer.
- Develop messaging for the transition to volunteer and community based distribution of water, filters, and cartridges.

- Identify statistical trends in the Fire Station PODS and transition to more available and locally operated PODs, in locations identified by a data driven strategy, by February 14.
- Provide for smooth transition and soft openings of new PODs as they open.
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- Provide public messaging and mapping that makes locating a POD or calling for delivery to vulnerable populations both simple and quick.
- Utilize multiple methods of public communication; e.g., reverse 9-1-1, robo-calls, Nixle, Facebook, backpack notes, etc. Strategies will be coordinated with 2-1-1.
- Continue to collect and analyze all available geospatial and demographic data to identify needs and hot spots (and identify successes).
- Identify "Super PODs" that can resource smaller neighborhood PODs and identify their logistical requirements, including credentialing requirements.
  - Metric – a Super POD or Neighborhood POD within close proximity by walking or driving.
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- Goal – Implement a medium-term logistics system of supplying filtration components which supports a long-term, workable process to sustain provision of potable water to residents.
  - Metric – All households and franchise customers have access to safe, clean drinking water from the Flint water system, which is augmented by adequately filtered water within the home.
    - Assumption – Identify average family size and consumption, including burn rate, cooking and hygiene utilizing any available research from military operations guides, Peace Corps, Samaritan's Purse or other sources which may identify consumption rates.
    - Assumption – Filter cartridges last 100 gallons.
    - Assumption – People will move to Flint who will need initial filtering supplies.
- Identify warehouse spaces adequate for commodities for the planning period (initial assumption 1 year)
- Water distribution would be led by the city, food banks, faith-based or other volunteer groups.
- Messaging should strongly promote the use of properly certified filtration.
- Work with the federal HHS Unified Coordination Group and the Flint Water Interagency Coordinating Committee to maximize opportunities for Flint water system customers to participate in the ongoing repair and improvements to the water system and fully leverage and maximize the benefits of all available programs.
- Ongoing public messaging and education are offered to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
- Create a calendar of activities/distribution including the when and where of how the activities and missions will be provided to water system customers. Include decision points for planning teams.
- Establish long-term filter distribution process using USPS, vouchers, Bridge style cards, or other measureable programs.
  - Is it supportable by FEMA's 90 day mission?
  - What are implications of over supply?

Long Term Recovery

- Goal – water distribution operations are normalized.
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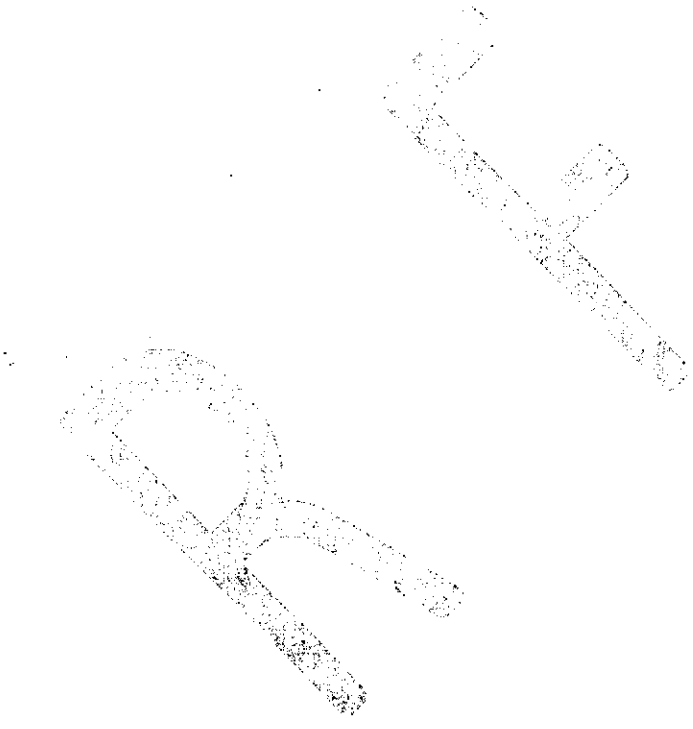

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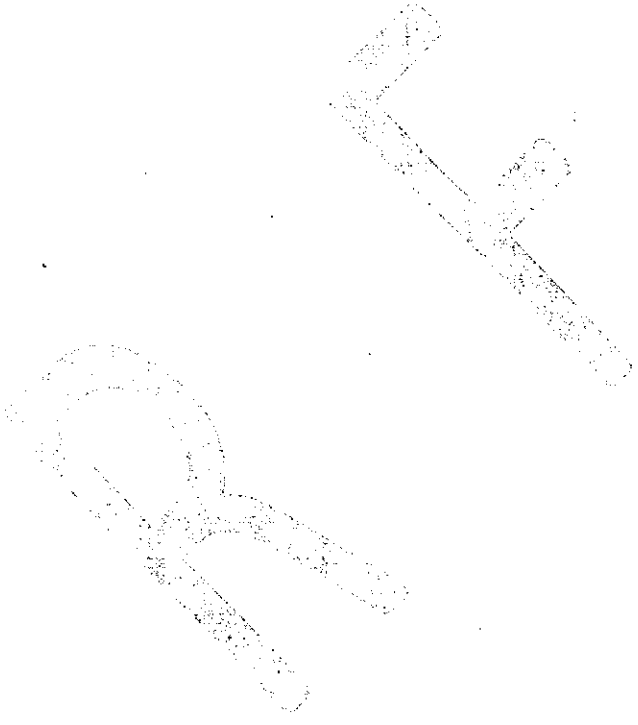

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    - Assumption – MTA and ride share options as well as walking and delivery are considered.
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  - Assumption – Hot Shots will transition from the sheriff's office to the ARC. The ARC and 2-1-1 will coordinate.
  - Metric - _ (percent) reductions in calls to 2-1-1 for water issues should occur each month.
- Volunteer Expansion target complete date: February 14.

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- Goal – Implement a short/medium (define) -term filtration system which supports a long-term, workable process to sustain provision of potable water to residents.
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    - Assumption – Assume (or supporting statistic) 5 faucets per home.
    - Assumption – Identify average family size and consumption, including burn rate, cooking and hygiene utilizing any available research from military operations guides, Peace Corps, Samaritan's Purse or other sources which may identify consumption rates.
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January 23, 2016

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Dates given in this draft plan are all subject to the agreement of all parties.

Metrics are intended to be SMART: (Specific, Measurable, Achievable, Realistic, and Timely).

Initial Distribution

- Canvassing teams included the sheriff, MSP, American Red Cross, National Guard, and volunteers.
- Stops were made at every residence. When residents were home, they were offered water, filters, filter cartridges, and test kits.
- Canvassing was based on geographic areas to make the distribution as efficient as possible.
- Points of Distribution (PODS) were established and operated at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits; these were initially ARC staffed and then by the National Guard.
- The 2-1-1 system was used to address all questions and serve as the primary Point of Contact (POC) for all special needs requests (hot shots).
- The Initial Distribution was completed the morning of January 21.

Surge

- A resource surge, including 38 National Guard and American Red Cross canvassing teams began January 21. On the weekend, this increased by an additional 30 Red Cross teams.
- Daily missions were to reach as many households as possible who may not have been reached in the initial distribution. The surge included water, filters, filter cartridges and test kits.
- Every household was identified as having been reached with resources, or with information left at the door with instructions for having resources delivered.
- Canvassing was based on geographic areas to assure they were covered where risks of lead contamination and vulnerable populations were known to be higher.
- Areas with lower percentages of positive contacts in the Initial Distribution received additional support for re-canvasing.
- The PODS staffed by the National Guard continued at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits.
- Messaging focused on distribution of water, filters, cartridges, and test kits.
- 2-1-1 addressed all questions and served as POC for all special needs requests (hot shots).
- The Surge was completed January 24; remaining hot shots will continue to be served by ARC or other volunteer teams (National Guard and MSP can also be recalled if additional resources are needed.

Volunteer Expansion

The Flint Community Water Crisis Response Meetings will provide critical guidance this plan. The input received and the plan are a cooperative "whole community" effort that will provide the opportunity for all involved parties to provide input to the process, including the residents, local charities and non-governmental organizations, the city, the county, and the state. An initial working group comprised of the Food Bank, Catholic Charities, American Red Cross, 2-1-1, United Way, and local and state emergency management staff will develop and implement these initial strategies for long-term distribution of filters and filter cartridges by the target date. As operations stabilize within this Volunteer Expansion, additional working groups will be formed to address specific missions.

- Goal – Transition to full coverage and streamlined processes.
  - Metric – One year of availability and supply of water and other commodities to every household and franchise customer.
- Develop messaging for the transition to volunteer and community based distribution of water, filters, cartridges, and test kits.
- Identify statistical trends in the Fire Station PODS and transition to more available and locally operated PODs, in locations identified by a data driven strategy, by February 14.
- Provide for smooth transition and soft openings of new PODs as they open.
- Identify water only PODs operated by local non-governmental agencies, faith-based organizations or other volunteer groups.
- Provide public messaging and mapping that makes locating a POD or calling for delivery to vulnerable populations both simple and quick.

- Utilize multiple methods of public communication; e.g., reverse 9-1-1, robo-calls, Nixle, Facebook, backpack notes, etc. Strategies will be coordinated with 2-1-1.
- Continue to collect and analyze all available geospatial and demographic data to identify needs and hot spots (and identify successes).
- Identify "Super PODs" that can resource smaller neighborhood PODs and identify their logistical requirements, including credentialing requirements.
  - Metric – a Super POD or Neighborhood POD within 15 minutes.
    - Assumption – MTA and ride share options as well as walking and delivery are considered.
- 2-1-1 will receive all calls/questions and serve as POC for special needs requests (hot shots).
  - Assumption – Hot Shots will transition from the sheriff's office to the ARC. The ARC and 2-1-1 will coordinate.
  - Metric - _ (percent) reductions in calls to 2-1-1 for water issues should occur each month.
- Volunteer Expansion target complete date: February 14.

Ongoing Resourcing

- Goal – Implement a short/medium (define) -term filtration system which supports a long-term, workable process to sustain provision of potable water to residents.
  - Metric – All households and franchise customers have access to safe, clean drinking water from the Flint water system, which is augmented by adequately filtered water at each faucet within the home.
    - Assumption – Assume (or supporting statistic) 5 faucets per home.
    - Assumption – Identify average family size and consumption, including burn rate, cooking and hygiene utilizing any available research from military operations guides, Peace Corps, Samaritan's Purse or other sources which may identify consumption rates.
    - Assumption – Filter cartridges last x days/gallons
- Identify warehouse spaces adequate for commodities for the planning period (initial assumption 1 year)
- Water distribution would be led by the city, food banks, faith-based or other volunteer groups.
- Messaging should strongly promote the use of properly certified filtration.
- Work with the federal HHS Unified Command Group and the Flint Water Recovery Task Force to maximize opportunities for Flint water system customers to participate in the ongoing repair and improvements to the water system and fully leverage and maximize the benefits of all available programs.
- Ongoing public messaging and education are offered free to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
- Create a calendar of activities/distribution including the when and where of how the activities and missions will be provided to water system customers. Include decision points for planning teams.
- Establish long-term filter distribution process using USPS, vouchers, Bridge style cards, or other measureable program.
  - Is it supportable by FEMA's 90 day mission?
  - What are implications of over supply?

Long Term Recovery

- Goal –water distribution operations are normalized.
  - Metric 1 – Households are served by the Flint water system.
  - Metric 2 – Households do not require filtration at the faucet.
  - Metric 3 – All water tests meet or exceed all established water quality metrics and regulations.
- Work with the federal HHS Unified Command Group and the Governor's Flint Water Recovery Task Force to maximize opportunities for Flint water system customer to participate in the ongoing repair and improvements to the water system and maximize the benefits of all available programs to insure that we've leveraged all state, local, federal, and non-governmental resources.
- Ongoing public messaging and education are offered free to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
- All recommended solutions are implemented. Analyses are complete, and public trust in Flint water is re-established.
  - Metric 1 – Independent surveys indicate that __% of residents and customers agree that the water tastes fresh and they trust test results.

**Dates are to be negotiated and confirmed by all parties involved.

Church Name
Saints of God
Mt. Zion Baptist Church
Metropolitan Baptist Church
Mt. Carmel Baptist Church
Mt. Calvary Baptist Church
Grace Emmanuel Bapist Church
Asbury United Methodist Church
Christ Fellowship Baptist Church
Gospel Temple Baptist Church
New israel Missionary Baptist Church
St. Paul Baptist Church
Mt. Sinia Missionary Church
Mt. Pisgah
Joy Tabernacle Church
FairHaven Baptist Church
Vernon Chapel
Galilean Baptist Church
Triumph Church
New Life Missionary Baptist Church
Macedonia Missionary Baptist Church
Gethsemane Missionary Baptist Church
Devine Revelations Church

Address	POC
2200 Forest Hill, Flint MI	Rev. Alfred Harris
2109 M.L.King, Flint MI	Pastor Rodney Ellison
930 E. Mrytle Street, Flint mi	Pastor Herbert Miller
1610 W. Pierson Road, Flint Mi	Pastor James Kennefy
4805 N. Saginaw, Flint MI	Pastor Henry Fuller
3502 Lapeer Road, Flint Mi 48503	Pastor Marvin Jennings
1653 Davidson Road, Flint Mi	Pastor Tommy McDoniel
317 E. Hamilton Ave., Flint Mi	Dea Gilcrest
735 Wager, Flint, MI	Pastor Lewis
3417 N. Saginaw St., Flint, MI	Pastor Daniel Bridges
2115 W. Coldwater Rd, Flint, MI	Pastor Pettigrew
1215 E. Downing Ave., Flint, MI	Pastor Collins
6415 N. Clio Rd	Pastor Hill
2505 N. Chevrolet, Flint, MI	Pastor Denard Robinson
1379 Louis Ave, Flint, MI	Cassandra
5802 DuPont St, Flint, MI	Rev. Helen Williams
109 W. Holbrook Ave	Pastor Sean Payne
1657 Broadway Blvd., Flint, MI	Cedric Scott
931 E. Hamilton Ave	Pastor Campbell
G5443 Saginaw St	Pastor Lever
1258 E. Humphrey St	Pastor Randolph
902 Huron Ave	Pastor Lequin Williams

Phone	Comments
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810.691.5347	
810.787.2563	
810.743.3900	Glenna Gates
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810.814.0045	
810.516.0478	
810.964.3735	
810.394.4772	
810.938.6672	
313.258.8967	
810.813.5702	
810.814.0243	Charlie Clark
810.814.5974	
810.610.9590	
810.240.1337	
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Initial Distribution - Complete

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- Goal – Touch every residence with water, filters, filter cartridges, and test kits to demonstrate we have attempted to supply all residences with potable water.
- Canvassing was based on geographic areas to make the distribution as efficient as possible.
- Points of Distribution (PODS) established at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits; initially ARC staffed, then replaced by National Guard.
- 2-1-1 used to address all questions and serve as POC for all special needs requests (hot shots).
- Initial Distribution complete the morning of January 21 based on feedback from local EOC.

Surge – Complete February 24

- A resource surge, including 38 National Guard and American Red Cross canvassing teams began January 21. Daily missions were intended to reach as many households as possible who may not have been reached in the initial distribution. The surge included water, filters, filter cartridges and test kits.
- Goal – Reach every residence with water, filters, filter cartridges, and test kits.
  - Metric 1 – Every household will be identified as having either been reached and resources distributed or information left at the door as to how to have resources delivered.
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Volunteer Expansion

- Goal – Move from manual distribution mechanism to less labor intensive processes.
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- Develop messaging for the transition to a more volunteer/community based distribution of water, filters, cartridges, and test kits noting Fire Station PODS to be relocated to locally operated PODs by January 31 (Suggested alternate: February 12).
- Identify new water only PODs operated by local non-governmental agencies, faith-based organizations or other volunteer groups.
- With a working group of SEOC staff and local agencies, develop and implement best methodology for long-term distribution of filters and filter cartridges by the target date.
- Volunteer Expansion complete by COB January 31 (or February 12).

Ongoing Resourcing

- Goal – Implement long-term, workable processes to sustain provision of potable water to residents.
  - Metric – X households and franchise customer have access to adequately filtered water at each faucet within the home.
- Develop messaging for implementation of this phase and transition to next phase.
- Water distribution by the city or by faith-based or other volunteer groups.
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Long Term Recovery

- Goal –water distribution operations are normalized.
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- Ongoing public messaging and education are offered free to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
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January 22, 2016

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Operational Concept

Single Family Residence

- Canvassing by National Guard teams
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- Each team will have one person tasked with data collection using the iPad and application developed by GIS
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? etc.)

Multi-unit residence

- Canvassing by volunteer agencies
- Locations provided by City of Flint (Building & Safety Department)
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- Each team will have one person tasked with data collection using the iPad and application developed by GIS
- Specialized training provided to team members (different approach than single family residence canvassing)
- Contact made with each property owner or their designated agent (property manager) to identify the number of units occupied
- Each occupied unit at the address will be canvassed
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? etc.)

All other targeted locations (Schools, churches, day care centers, restaurants, hospitals etc.)

- Canvassing by volunteer agencies and LARA teams.
- Locations provided by City of Flint (Building & Safety Department) and LARA.
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- Each team will have one person tasked with data collection using the iPad and application developed by GIS
- Specialized training provided to team members (different approach than single family residence canvassing)
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? How many beds/registered children/clients/students, etc? Does your facility have special needs for filtered water?, etc.)

Other considerations

- Who will be the lead for this canvassing effort?
- What is the target date for completion for each of the target groups (single family residence, multi-unit residence, and all other targeted locations)?
- What additional data fields will be added to the iPad application and who is responsible for developing the data and coordinating with GIS for inclusion in the application?
- What (if anything) is needed to address functional needs populations within each of the identified target groups/

- How do we effectively and accurately merge the data form the PODs with the data from the canvassing teams?

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RETAIN THIS IMAGE
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January 19, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

I am submitting this letter of appeal in response to FEMA Administrator W. Craig Fugate's letter to me dated January 16, 2016. In that letter, he indicated that the State of Michigan had been denied a Major Disaster Declaration under the Robert T. Stafford Disaster Relief and Emergency Assistance Act for contamination and damage to the public water system in the City of Flint. I respectfully submit this letter of appeal, in accordance with the provisions set forth in 44 CFR § 206.46, to request a reconsideration of that decision.

Respectfully, I appeal the determination that the event "does not meet the legal definition of a 'major disaster' under 42 U.S.C. § 5122." This unique disaster poses imminent and long-term threat to the citizens of Flint. Its severity warrants special consideration for all categories of the Individual and Public Assistance Programs, as well as the Hazard Mitigation program in order to facilitate recovery.

While the definition under 44 C.F.R. § § 206.2(17) provides examples of what might constitute a natural disaster, I submit that this disaster is analogous to the flood category, given that qualities within the water, over a long term, flooded and damaged the city's infrastructure in ways that were not immediately or easily detectable. Likewise, this disaster is a natural catastrophe in the sense that the contamination arose from the natural decay of Flint's aging infrastructure. These impacts will contribute to years and potentially decades of health problems and economic loss as well as necessary repairs to infrastructure that neither the city, county, or state have the capacity to conduct. A narrow reading of this definition, restricting the hazards to which we can provide relief, does not adequately reflect the intentions of our "all-hazards" approach to emergency management at the federal and state levels.

Given the gravity of the situation and ramifications for urban areas across the United States with pre-1987 constructed water distribution systems, I hope you will determine that providing assistance beyond "appropriate assistance for required emergency measures...to save lives and to protect property and public health and safety" is warranted. As documented in my letter to you on January 14, 2016, the city of Flint has been devastated by job losses and associated economic decline.

As additional support of this appeal, I offer the following information:

<u>State and Local Government Capabilities</u>

The City of Flint, County of Genesee, and State agencies have worked to provide short-term solutions to many problems related to this disaster. However, permanent solutions for much of the public water system damages can only come about with significant federal assistance made available under a Presidential Major Disaster Declaration. While we are grateful for the limited federal assistance provided thus far by FEMA, those efforts are stop-gap measures which do not meet the long-term recovery needs of this disaster for the City of Flint.

Emergency Protective Measures

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Draft Flint Water Operations Plan
January 23, 2016

The State of Michigan's emergency response to the Flint water crisis will involve several operations: Initial Distribution; a distribution Surge, Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery.

Dates given in this draft plan are all subject to agreement of all parties.

Metrics are intended to be SMART: (Specific, Measurable, Achievable, Realistic, and Timely).

Initial Distribution - Complete

- Canvassing teams were initiated by the sheriff and fleshed out by MSP, American Red Cross, National Guard, and volunteers.
- Goal – Touch every residence with water, filters, filter cartridges, and test kits to demonstrate we have attempted to supply all residences with potable water.
- Canvassing was based on geographic areas to make the distribution as efficient as possible.
- Points of Distribution (PODS) established at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits; initially ARC staffed, then replaced by National Guard.
- 2-1-1 used to address all questions and serve as POC for all special needs requests (hot shots).
- Initial Distribution complete the morning of January 21 based on feedback from local EOC.

Surge – Complete February 24

- A resource surge, including 38 National Guard and American Red Cross canvassing teams began January 21. Daily missions were intended to reach as many households as possible who may not have been reached in the initial distribution. The surge included water, filters, filter cartridges and test kits.
- Goal – Reach every residence with water, filters, filter cartridges, and test kits.
  - Metric 1 – Every household will be identified as having either been reached and resources distributed or information left at the door as to how to have resources delivered.
- Canvassing was based on geographic areas to provide manageable areas for each team and to assure that areas where risks of lead contamination and vulnerable populations are known to be more likely receive more coverage. Also, areas with lower percentages of positive contacts the Initial Distribution received additional support for re-canvasing.
- Points of Distribution (PODS) staffed by National Guard continue at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits.
- 2-1-1 is addressing all questions and serving as Point of Contact for all special needs requests (hot shots).
- Surge completion is planned for COB January 24; remaining hot shots will be addressed by ARC or other volunteer teams.

Volunteer Expansion

- Goal – Move from manual distribution mechanism to less labor intensive processes.
  - Metric – One year of availability and supply of water and other commodities to every household and franchise customer.
- Develop messaging for the transition to a more volunteer/community based distribution of water, filters, cartridges, and test kits noting Fire Station PODS to be relocated to locally operated PODs by January 31 (Suggested alternate: February 12).
- Identify new water only PODs operated by local non-governmental agencies, faith-based organizations or other volunteer groups.
- With a working group of SEOC staff and local agencies, develop and implement best methodology for long-term distribution of filters and filter cartridges by the target date.
- Volunteer Expansion complete by COB January 31 (or February 12).

Ongoing Resourcing

- Goal – Implement long-term, workable processes to sustain provision of potable water to residents.
  - Metric – X households and franchise customer have access to adequately filtered water at each faucet within the home.
- Develop messaging for implementation of this phase and transition to next phase.
- Water distribution by the city or by faith-based or other volunteer groups.
- Establish long-term filter distribution process using USPS, vouchers, Bridge style cards, or other measureable program.

Long Term Recovery

- Goal –water distribution operations are normalized.
  - Metric 1 – Households are served by the Flint water system.
  - Metric 2 – Households do not require filtration at the faucet.
  - Metric 3 – All water tests meet or exceed all established water quality metrics and regulations.
- Ongoing public messaging and education are offered free to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
- All recommended solutions are implemented. Analyses are complete, and public trust in Flint water is re-established.
  - Metric 1 – Surveys indicate that __% of residents and customers agree that the water tastes fresh and they trust test results.

**Dates are to be negotiated and confirmed by all parties involved.

January 19, 2016

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While I greatly appreciate the emergency declaration and the assistance it provides for the city of Flint, I am disappointed that no other assistance is being offered or suggested, whether through Stafford Act measures or through programs of other federal agencies.

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NOTE: What do we know about the new appropriation/what can we include?

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Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 15, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested for Lead 10/1/2015 to 1/8/2016: 2,642;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 28
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 15
Severity Indicators: Hospitalized/Discharged - 1/1; Deaths - 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/15/2016
  - 23 families contacted
  - **17 EBL investigations completed.**
  - **17 Water samplings completed.**
  - **10 EBL Reports Received.**
    - **9 homes with lead dust hazards**
    - 3 homes with lead in soil hazards
    - **8 homes with lead-based paint hazards**
    - **5 homes with lead detected in tap water**
      - 1 home with lead water levels greater than 15 ppb
  - **4 investigations scheduled.**
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.
- 1 home was found to have elevated lead concentrations (72 ppb) in water from a bathroom tap. The family has been advised not to use the tap for consumption or brushing teeth. An additional filter will be provided to the family and options for replacing the fixture will be explored.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- CM report through 1/8/2016:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 134 (0-5 year olds) and 12 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: 30 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **Developed metrics related to elevated blood lead testing among children < 6 years of age in Flint who are enrolled in Medicaid.**
- **Held conference call with CDC to discuss development of tools related to identification of and recommendations for facilities at greater risk for transmission of opportunistic pathogens.**
- Developed/updated Talking points to respond to Legionella questions.
- Completed Summary report describing second illness wave case investigations.
- Updated Analysis/Summary on first illness wave investigation with recently acquired patient information and illness-related mortality standard.
- Supplied Legionellosis cases to Vital Records for linkage to ascertain any unreported deaths.

Filter & Water Distribution Sheryl Thompson

Filter report through 1/13/2016

	Received	Distributed	Remaining
Water Filters	22,000	13,008	8,992
Water Pitchers	720	409	311
Replacement Cartridges - Brita	19,400	3,367	16,033
Replacement Cartridges - PUR	5,706	375	5,331
Replacement Cartridges - Zero	375	205	170

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Weekly HHS internal briefing.**
- **Weekly coordination call with GCHD.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - No Updates

WIC - No updates.

Healthcare/Providers - No updates

DEQ Information - Linda Dykema as Liaison

- DLARA plumbers will replace fixtures at Freeman Elementary School that were previously tested and found to have > 15 ppb of lead in the water. MDEQ will conduct a "deep flush" of the school plumbing since many lines have been unused for several months. MDEQ will then retest of the water from the new fixtures to confirm whether or not these efforts have been effective in reducing or eliminating exposure to lead in the water.

January 19, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

In response to W. Craig Fugate's letter to me dated January 16, 2016, in which he indicated that the State of Michigan had been denied a Major Disaster Declaration under the Robert T. Stafford Disaster Relief and Emergency Assistance Act for contamination and damage to the public water system in the City of Flint, I submit this letter of appeal, in accordance with the provisions set forth in 44 CFR § 206.46, requesting a reconsideration of that decision.

Respectfully, I appeal the determination that the event "does not meet the legal definition of a "major disaster" under 42 U.S.C. § 5122, as implemented at 44 C.F.R. § § 206.2(17), the incident was not caused by a natural catastrophe, nor was it caused by fire, flood, or explosion." This unique disaster poses imminent and long-term threat to the citizens of Flint. Its severity warrants special consideration for all categories of the Individual and Public Assistance Programs, as well as the Hazard Mitigation program in order to facilitate recovery.

While the definition under 44 C.F.R. § § 206.2(17) provides examples of what might constitute a natural disaster, I submit that this disaster expands and fits both within the categories of a storm and flood given that it was qualities within the water that, over a long term, flooded and damaged the city's infrastructure in a way that was not immediately or easily detectable and will contribute to years and potentially decades of health problems and economic loss as well as necessary repairs to infrastructure that neither the city, county, or state have the capacity to conduct. A more narrow reading of this definition I feel does not adequately reflect the intentions of our "all-hazards" approach to emergency management at the federal and state levels, if our primary mechanism for relief is read in a way that limits the hazards to which we can provide relief.

Given the gravity of the situation and ramifications for urban areas across the United States with pre-1987 constructed water distribution systems, I hope that you will determine that providing assistance beyond "appropriate assistance for required emergency measures...to save lives and to protect property and public health and safety" is warranted. As documented in my letter to you on January 14, 2016, the city of Flint has been devastated by job losses and associated economic decline.

While I greatly appreciate the emergency declaration and the assistance it provides for the city of Flint, I am disappointed that no other assistance is being offered or suggested, whether through Stafford Act measures or through programs of other federal agencies.

As additional support of this appeal, I offer the following information:

State and Local Government Capabilities

The City of Flint, County of Genesee, and State agencies have worked to provide short-term solutions to many problems related to this disaster. However, permanent solutions to much of the public facility

damage can only come about with significant federal assistance made available under a Presidential Major Disaster Declaration. While we are grateful for the limited federal assistance provided thus far by FEMA, those efforts are stop-gap measures which do not meet the long-term recovery needs of this disaster for the City of Flint.

Emergency Protective Measures

As indicated in my declaration request, the State made an emergency appropriation to return Flint to Detroit water and is preparing a second. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. The City of Flint also committed $2 million, and the Charles Mott Foundation committed $4 million.

NOTE: What do we know about the new appropriation/what can we include?

The considerable needs brought about by this disaster greatly exceed the collective funding resources of local, state and federal government unless a Presidential Major Disaster Declaration is granted and the Public Assistance Grant Program (PAGP) is activated. The only other possible option would be a special Congressional appropriation, which is unlikely.

Long Term Public Health Threats

Although strides have been made in addressing public health threats brought about by this disaster, there are considerable lingering issues. The ability of a community with such a large percentage of its citizens living in poverty to recover requires the ability of those citizens to acquire proper health care, case management, legal services, and assistance in repairing the plumbing infrastructure in their homes that may have be damaged. Permanent solutions for these individuals and households will not come about in a timely manner without significant federal resources to restore, repair and stabilize their lives.

Damage to Infrastructure

The affected local communities and the State do not have the funding capacity to undertake the repair of an entire public water system. FEMA's PAGP provides the best source of funding for rebuilding these critical public facilities, and that program can only be activated through the declaration of a Major Disaster by the President. Any other Federal programs of assistance would be welcome.

Mitigation

With federal disaster relief, Michigan could provide funding under the Hazard Mitigation Grant Program or PAGP to the affected utility to implement cutting edge measures to mitigate the vulnerabilities of the water system against all types of physical threats. Without such assistance, such measures will not be possible.

Economic Injury

As state Rep. Woodrow Stanley, D-Flint, said yesterday, "Flint is a city without a safety net. We had failing schools before we had a water crisis. We had high unemployment."

The economic injury to the affected communities from this disaster is significant. As I indicated in my declaration request letter, impacts including further decreases in property values, lost business activity, loss of employment and further loss in population will severely impact Flint and Genesee County.

As part of the disaster declaration request, I included assistance from the Small Business Administration (SBA) to provide financial relief to the scores of businesses impacted by this disaster. If such assistance were approved, the low-interest loans would provide much needed working capital to many businesses to allow them to continue to operate until their business picks up.

This disaster also comes on the heels of another Major Disaster (4195-DR-MI) that occurred in August of 2014. The state and those nearby counties and local municipalities are still recovering from that event and now they have another major disaster to deal with and few available resources to address the damages to health and public facilities.

Direct Federal Assistance

The federal government is highly engaged in event responses, such as the BP Deepwater Horizon disaster. The federal government established a National Response Team of 16 federal departments and agencies, ranging from the EPA to the SBA to the Department of Labor. Such engagement was critical to restoring public confidence to avoid further economic damage from perceived contamination. In the BP case, fisheries, tourism, and other uses were afforded the benefit of technical expertise to minimize damage. In the case of Flint, residents are afraid to use water for washing because of their fear of further contamination and damage. The residents of the city of Flint need federal expertise to rebuild confidence in the use of tap water.

Conclusion

I sincerely believe that a Presidential Major Disaster Declaration is warranted due to the extraordinary circumstances involved in this disaster – the widespread and damage to public facilities, the potential long term damages to public health, and the substantial additional economic injury upon an already affected community. Therefore, I ask that you reconsider your decision in this matter and that you grant the State of Michigan the disaster relief assistance that it needs by declaring this event a Major Disaster under the Stafford Act.

Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division continues to be my designated State Coordinating Officer for this request. He will work with FEMA on program implementation and provide further information or justification on my behalf, as requested.

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I have requested that the Small Business Administration (SBA) activate its Economic Injury Loan Program, under its own statutory authority, to provide much needed financial relief to the scores of businesses impacted by this disaster. If such assistance is approved, the low-interest loans would provide much needed working capital to many businesses to allow them to continue to operate until their business picks up. But for others, another loan would add to the debt burden of already struggling businesses.

This disaster also comes on the heels of another Major Disaster (4195-DR-MI) that occurred in August of 2014. The state and those nearby counties and local municipalities are still recovering from that event and now they have another major disaster to deal with and few available resources to address the damages to health and public facilities.

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State and Local Government Capabilities

While I agree with Mr. Brown's assessment that considerable local and state resources were brought to bear in response to this situation, I strongly disagree with the assertion that "effective response does not appear to exceed the combined capabilities of the State and local governments." In fact, nothing could be farther from the truth. State agencies and local governments were able to provide short-term solutions to many problems related to this flooding. However, permanent solutions to much of the public facility damage and environmental degradation can only come about if significant federal assistance is made available under a Presidential Major Disaster Declaration. While we are grateful for the limited federal assistance provided thus far by the U.S. Army Corps of Engineers (USACE) and Natural Resources Conservation Service (NRCS), those efforts are simply not sufficient to meet the long-term recovery needs of this situation.

Limited Federal Assistance Has Not Addressed All Needs

The NRCS has identified eight "urgent and compelling" stream bank stabilization sites, totaling $733,000 in project costs, that it intends to address with Emergency Watershed Program (EWP) funding. The NRCS share of these eight projects would total $550,000, and the local governments would be expected to contribute the remaining $183,000. However, this assistance is only intended to provide a temporary "band-aid" for the affected sites until permanent restorative work can be completed. Unfortunately, the NRCS does not have provisions for that type of assistance under its emergency relief authorities and funding mechanisms. As a result, the affected counties are left without a ready funding source for the permanent restorative work unless the Public Assistance Grant Program (PAGP) is activated under a federal declaration.

The amount of permanent restorative work that needs to be done in the Dead River Watershed greatly exceeds available local, state and federal financial resources, absent a Presidential Major Disaster Declaration. The Central Lake Superior Watershed Partnership estimates the total flood-related damages in the Dead River Watershed to be $28.3 million. Of that total, $4.5 million is for temporary stream bank stabilization measures, $19 million is for soil restoration (1.9+ million cubic yards), $800,000 is for

sediment removal measures to be implemented over a five-year period, and $4 million is for habitat restoration projects. (It should be noted that the $19 million soil restoration estimate does not include over 1 million cubic yards of soil lost in the Silver Lake dike and Tourist Park dam. If that is included, the total soil restoration cost approaches $30 million. Also, the $4.5 million in stream bank stabilization measures are for stabilizing the stream banks in their current condition and not restoring them to their original, pre-flood condition.) As you can see, the considerable environmental needs brought about by this flooding greatly exceed the collective funding resources of local, state and federal government unless a Presidential Major Disaster Declaration is granted and the PAGP is activated. The only other possible option might be a special Congressional appropriation, which is highly unlikely given the current difficult status of the federal budget.

The dredging assistance provided thus far by the USACE has been instrumental in restoring the basic navigability of the Dead River and the Marquette Harbor, but it has not removed all impediments to navigation nor permanently restored the areas ravaged by the Dead River floodwater. Again, additional federal assistance is required to restore the Dead River and Lake Superior waters to their pre-flood conditions, thereby providing an acceptable level of safety for commercial navigation interests and boating public alike.

To help address a portion of the road and bridge damage in the four affected counties, the Michigan Department of Transportation (MDOT) will be submitting a formal request for $2.5 million in Federal Highway Administration (FHWA) funding assistance under the FHWA Emergency Relief Program. However, that assistance – if granted – will only address those damaged facilities that are part of the Federal-Aid System (FAS). The FAS damage amounted to approximately 50 percent of the identified $4.8 million in public road and bridge damage, leaving the remaining 50 percent of road and bridge damage (approximately $2.3 million) with no ready means of permanent repair, restoration and replacement. In addition, another $2.1 million in other public damages (under PAGP Categories A, B, D, E, F and G) have been left unfunded by the denial of our declaration request. The State of Michigan and the affected local governments do not have the available funding to address these unmet public damage needs and bring the affected facilities back to full operational status. As I indicated in my declaration request letter, the State and these same four counties are still dealing with another major flood disaster that occurred in this same area only a year earlier (1413-DR-MI) and we simply don't have the financial resources to address this additional, unexpected public facility damage.

Damage to Dams Not Completely Addressed

The Preliminary Damage Assessment (PDA) conducted for this disaster identified only $145,306 in damage to dams and other water control facilities, even though the flooding completely destroyed two publicly-owned and operated dams. I believe this damage figure is far too low and apparently does not include the complete cost of rebuilding the two dams (the Tourist Park Dam in Marquette and the Loughs Lake Dam in Baraga County) to their pre-flood condition. The Marquette Board of Light and Power estimates that the cost of restoring the earthen fill to the Tourist Park Dam alone will approach $1.1 million – far in excess of the $145,306 in total damage identified under PAGP Category D in the PDA. These dams together provide valuable water control and recreation functions for the local communities and the region; therefore, it is imperative that they be rebuilt as quickly as possible.

Unfortunately, the State and the affected local communities do not have the funding at this time to undertake such a project, and as you know, funding under the National Dam Safety Program cannot be used for this purpose because physical improvements and construction activities are not eligible grant activities. The USACE and NRCS have not identified or offered ready sources of funding for the reconstruction of these two dams. I believe FEMA's PAGP provides the best source of funding for rebuilding and restoring these valuable and needed public facilities, and that program can only be activated through the declaration of a Major Disaster by the President.

Lingering Public Health, Safety, and Environmental Threats

Although strides have been made in addressing the many public safety threats and the environmental degradation brought about by this severe flooding, there are considerable lingering issues yet to be addressed. For example, local governments have done an excellent job in identifying and cordoning off unstable stream banks and other unsafe areas. However, as I indicated earlier, permanent

solutions for those dangerous sites will not come about in a timely manner unless significant federal funding resources are made available to restore, repair and permanently stabilize the areas.

Similarly, while the Dead River is open for recreational use and warning signs have been posted at boat launch sites warning boaters and swimmers to be alert for dangerous conditions, those temporary preventive measures are hardly a final, permanent solution to the problem of subsurface flood debris, sedimentation, siltation, bacteria and chemical pollution brought about by the flooding. Again, permanent solutions are needed to eliminate these significant threats to public health and safety and the environment.

The environmental damage to the Dead River Watershed may also adversely affect future flood control activities because the river has changed its course and characteristics in many areas upstream of and in and around the city of Marquette. Unless the failed water control structures and stream banks are replaced / restored to their pre-flood condition, it will be difficult to predict exactly how well the Watershed will handle future flooding events. It is entirely possible that previously flood-free areas and structures will now be flood prone due to the new Watershed characteristics, and the generation of hydro power may be affected as well. These are all distinct possibilities unless the Watershed is restored to its pre-flood condition. In its pre-flood condition, the Watershed performed in a predictable manner and the flood control and power generation characteristics and capabilities were well documented. In its current post-flood condition, the Watershed has unknown characteristics and capabilities that may adversely affect the citizens of the city of Marquette and Marquette County in the years to come. I do not want to take a "wait and see" attitude in this situation, and I am certain the affected local citizenry does not want to be part of such an experiment either. Prompt and prudent action is called for to help rebuild and restore the environmental and hydraulic / hydrologic characteristics of the Dead River Watershed.

Unfortunately, the State and the affected local governments are in no position to provide those solutions without a significant infusion of federal disaster relief assistance. I believe that the direct federal debris removal assistance I requested in my June 4, 2003 letter would have addressed the majority of the health and safety concerns related to debris, sedimentation, siltation and water quality. Activation of the PAGP would have provided the ready means to restore many of the damaged public facilities that provide critical water control, power generation and transportation functions.

Vulnerable Power Generation and Distribution Capabilities

This flood disaster exposed the relatively fragile nature of the Upper Peninsula's power generation and distribution network. Even as bad as the situation has been, it could have been much worse had one or both of the remaining dams on the Dead River failed and severely damaged or destroyed the Presque Isle Power Plant in Marquette. Fortunately, the power plant survived mostly intact from a physical standpoint, but it took a major hit from an operational standpoint. The plant has been off-line for several weeks, and even now only six of the nine generating units are back on-line. As you know, the power generation situation has been precarious at best since the flooding occurred and has caused millions of dollars in economic injury to the central and western Upper Peninsula and temporarily idled two major iron ore mines that produce 20 percent of the U. S. iron ore supply.

Although the region voluntarily adjusted its power consumption to cope with the reduction in electrical power availability and it generally succeeded in that regard, had this disaster occurred in colder weather the situation could have been much more serious. To prevent that type of situation from ever occurring again and to reduce the vulnerability of this plant and the regional distribution network to all types of natural and manmade threats (up to and including acts of sabotage and terrorism), I believe that prudent mitigation measures may be called for. If federal disaster relief assistance is made available, we may be able to provide funding (under the Hazard Mitigation Grant Program or PAGP) to the affected utilities in the region to undertake needed measures to mitigate the vulnerabilities of the power generation and distribution facilities to all types of physical threats. Without such assistance, those measures will not likely be taken due to lack of funding.

Economic Injury to the Region

The economic injury to the four affected counties and the region from this flood disaster is significant. Only now are many of the negative economic impacts coming to light. As I indicated in my June 4 declaration request letter, the estimated economic impact to Marquette County alone is in excess of $80 million. I have requested that the Small Business Administration (SBA) activate its Economic Injury Loan Program, under its own statutory authority, to provide much needed financial relief to the dozens of businesses negatively impacted by this flood disaster. That request is currently pending. Even if the request is approved, the assistance rendered will be in the form of low-interest loans which must be paid back. For many struggling businesses, another loan is often the last thing that they need. However, for many other businesses the loans will provide much needed working capital and a margin of safety that will allow them to continue to operate until their business picks up.

One form of economic injury that will not be addressed by the SBA Economic Injury Loan Program is the increased costs of electric power generation and distribution brought about by this flood disaster. The two private utilities primarily affected by the flooding – the Upper Peninsula Power Company (UPPCO) and Wisconsin Electric (WE Energies) – have incurred increased costs in excess of $10 million. In all likelihood, the bulk of those costs will be passed on to electrical customers – individuals, families, businesses and institutions – in the form of electric rate increases allowed by the Power Supply Cost Recovery mechanism administered by the Michigan Public Service Commission. That $10+ million is $10+ million that will not be spent in other segments of the local and regional economy – at restaurants, retail establishments and other businesses, at colleges / universities, at travel and tourism destinations, etc. – effectively taking the money out of widespread economic circulation.

The economic injury to public agencies in the affected area is significant as well and unfortunately is also not covered under the SBA Economic Injury Loan Program. Unless the PAGP is activated, the State and the affected local communities will not have a ready funding source for repairing, rebuilding and restoring the many critical public facilities damaged or destroyed in this disaster. As I indicated earlier, this disaster comes on the heels of another Major Disaster (1413-DR-MI) that occurred just a year earlier in these same four counties. The counties and local municipalities are still recovering from that event, and now they have yet another major flooding disaster to deal with and not much in the way of available resources to address the public facility damage and the many public health, safety, and environmental threats.

I sincerely believe that a Presidential Major Disaster Declaration is warranted in this situation due to the extraordinary circumstances involved in this flooding disaster – the catastrophic failure of two dams, the widespread and severe public facility damage and environmental degradation, the prolonged reduction in electric power generation capability, and the severe economic injury inflicted upon the affected communities and the region. Therefore, I ask that you reconsider your decision in this matter and that you grant the State of Michigan the disaster relief assistance that it needs by declaring this event a Major Disaster under the Stafford Act.

I have designated First Lieutenant Ralph Hobrat of the Michigan State Police, Emergency Management Division as the State Coordinating Officer for this appeal request. He can be reached by telephone at (517) 333-5048 and by e-mail at hobratr@michigan.gov. F/Lt. Hobrat will work with the FEMA in conducting additional damage assessments as necessary and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

January 19, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

I am submitting this letter of appeal in response to FEMA Administrator W. Craig Fugate's letter to me dated January 16, 2016. In that letter, he indicated that the State of Michigan had been denied a Major Disaster Declaration under the Robert T. Stafford Disaster Relief and Emergency Assistance Act for contamination and damage to the public water system in the City of Flint. I respectfully submit this letter of appeal, in accordance with the provisions set forth in 44 CFR § 206.46, to request a reconsideration of that decision.

Respectfully, I appeal the determination that the event "does not meet the legal definition of a 'major disaster' under 42 U.S.C. § 5122." This unique disaster poses imminent and long-term threat to the citizens of Flint. Its severity warrants special consideration for all categories of the Individual and Public Assistance Programs, as well as the Hazard Mitigation program in order to facilitate recovery.

While the definition under 44 C.F.R. § § 206.2(17) provides examples of what might constitute a natural disaster, I submit that this disaster is analogous to the flood category, given that qualities within the water, over a long term, flooded and damaged the city's infrastructure in ways that were not immediately or easily detectable. Likewise, this disaster is a natural catastrophe in the sense that the contamination arose from the natural decay of Flint's aging infrastructure. These impacts will contribute to years and potentially decades of health problems and economic loss as well as necessary repairs to infrastructure that neither the city, county, or state have the capacity to conduct. A narrow reading of this definition, restricting the hazards to which we can provide relief, does not adequately reflect the intentions of our "all-hazards" approach to emergency management at the federal and state levels.

Given the gravity of the situation and ramifications for urban areas across the United States with pre-1987 constructed water distribution systems, I hope you will determine that providing assistance beyond "appropriate assistance for required emergency measures...to save lives and to protect property and public health and safety" is warranted. As documented in my letter to you on January 14, 2016, the city of Flint has been devastated by job losses and associated economic decline.

As additional support of this appeal, I offer the following information:

<u>State and Local Government Capabilities</u>

The City of Flint, County of Genesee, and State agencies have worked to provide short-term solutions to many problems related to this disaster. However, permanent solutions for much of the public water system damages can only come about with significant federal assistance made available under a Presidential Major Disaster Declaration. While we are grateful for the limited federal assistance provided thus far by FEMA, those efforts are stop-gap measures which do not meet the long-term recovery needs of this disaster for the City of Flint.

Emergency Protective Measures

As indicated in my declaration request, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. The City of Flint also committed $2 million, and the Charles Mott Foundation committed $4 million. The State is in the process of approving a second appropriation.

The considerable needs brought about by this disaster greatly exceed the collective funding resources of local and state government. Unless a Presidential Major Disaster Declaration is granted and the Public Assistance Grant Program (PAGP) is activated there will be significant unmet needs as identified in the following areas of impacts. The only other possible option would be a special Congressional appropriation.

Long Term Public Health Threats

Although strides have been made in addressing public health threats brought about by this disaster, there are considerable lingering issues. The ability of a community to recover with such a large percentage of its citizens living in poverty requires the ability of those citizens to acquire proper health care, case management, legal services, and assistance in repairing the plumbing infrastructure in their homes that may have be damaged. Permanent solutions for these individuals and households will not come about in a timely manner without significant federal resources to restore, repair and stabilize their lives.

Damage to Infrastructure

The affected local communities and the State do not have the funding capacity to undertake the repair of an entire public water system. FEMA's PAGP provides the best source of funding for rebuilding these critical public facilities, and that program can only be activated through the declaration of a Major Disaster by the President. Any other Federal programs of assistance would be welcome.

Mitigation

With federal disaster relief, Michigan could provide funding under the Hazard Mitigation Grant Program or PAGP to the affected utility to implement cutting edge measures to mitigate the vulnerabilities of the water system against all types of physical threats. Without such assistance, such measures will not be possible.

Economic Injury

As state Rep. Woodrow Stanley, D-Flint, said yesterday, "Flint is a city without a safety net. We had failing schools before we had a water crisis. We had high unemployment."

~~As state Rep. Woodrow Stanley, D-Flint, said yesterday, "Flint is a city without a safety net. We had failing schools before we had a water crisis. We had high unemployment."~~

The economic injury to the affected communities from this disaster is significant. As I indicated in my declaration request letter, impacts including further decreases in property values, lost business activity, loss of employment and further loss in population will severely impact Flint and Genesee County.

As part of the disaster declaration request, I included assistance from the Small Business Administration (SBA) to provide financial relief to the scores of businesses impacted by this disaster. If such assistance were approved, the low-interest loans would provide much needed working capital to many businesses to allow them to continue to operate until their business picks up.

This disaster also comes on the heels of another Major Disaster (4195-DR-MI) that occurred in August of 2014. The state and those nearby counties and local municipalities are still recovering from that event and now they have another major disaster to deal with, and few available resources to address the significant impacts to the health of the citizens and damages to public facilities.

Direct Federal Assistance

The federal government is highly engaged in event responses, such as the BP Deepwater Horizon disaster. The federal government established a National Response Team of 16 federal departments and agencies, ranging from the EPA to the SBA to the Department of Labor. Such engagement was critical to restoring public confidence to avoid further economic damage from perceived contamination. In the BP case, fisheries, tourism, and other uses were afforded the benefit of technical expertise to minimize damage. In the case of Flint, residents are afraid to use water for washing because of their fear of further contamination and damage. The residents of the city of Flint need federal expertise to rebuild confidence in the use of tap water.

Conclusion

I sincerely believe that a Presidential Major Disaster Declaration is warranted due to the extraordinary circumstances involved in this disaster – the widespread and damage to public facilities, the potential long term damages to public health, and the substantial additional economic injury upon an already affected community. Therefore, I ask that you reconsider your decision in this matter and that you grant the State of Michigan the disaster relief assistance that it needs by declaring this event a Major Disaster under the Stafford Act.

Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, continues to be my designated State Coordinating Officer for this request. He will work with FEMA on program implementation and provide further information or justification on my behalf, as requested.

Sincerely,

Richard D. Snyder
Governor

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 14, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested for Lead 10/1/2015 to 1/8/2016: 2,642;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 28
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 15
Severity Indicators: Hospitalized/Discharged - 1/1; Deaths - 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/12/2016
  - 23 families contacted
  - 16 EBL investigations completed.
  - 16 Water sampling completed.
  - 9 EBL Reports Received.
    - 8 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 7 homes with lead-based paint hazards
    - 4 homes with lead detected in tap water
      - 3 homes with lead water levels less than 5 ppb
      - 1 home with lead water levels greater than 15 ppb
  - 5 investigations scheduled.
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.
- 1 home was found to have elevated lead concentrations (72 ppb) in water from a bathroom tap. The family has been advised not to use the tap for consumption or brushing teeth. An additional filter will be provided to the family and options for replacing the fixture will be explored.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- CM report through 1/8/2016:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 134 (0-5 year olds) and 12 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: 30 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **Developed/updated Talking points to respond to Legionella questions.**
- **Completed Summary report describing second illness wave case investigations.**
- **Updated Analysis/Summary on first illness wave investigation with recently acquired patient information and illness-related mortality standard.**
- **Supplied Legionellosis cases to Vital Records for linkage to ascertain any unreported deaths.**
- The Governor's office held a press conference on Legionnaires disease in Genesee County.
- Blood lead level testing report through 1/8/2016 submitted to the JIC.
- Dr. Hanna-Attisha provided the first set of requested data as approved by MDHHS IRB.
- The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.

Filter & Water Distribution Sheryl Thompson

Filter report through 1/13/2016

	Received	Distributed	Remaining
Water Filters	22,000	13,008	8,992
Water Pitchers	720	409	311
Replacement Cartridges - Brita	19,400	3,367	16,033
Replacement Cartridges - PUR	5,706	375	5,331
Replacement Cartridges - Zero	375	205	170

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Weekly HHS internal briefing.**
- **Weekly coordination call with GCHD.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - No Updates

WIC - No updates.

Healthcare/Providers - No updates

DEQ Information - Linda Dykema as Liaison

- DLARA plumbers are replacing fixtures at Freeman Elementary School that were previously tested and found to have > 15 ppb of lead in the water. MDEQ will conduct a "deep flush" of the school plumbing since many lines have been unused for several months. MDEQ will then retest of the water from the new fixtures to confirm whether or not these efforts have been effective in reducing or eliminating exposure to lead in the water.

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). NOTE: **Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell:

6. Declaration Request For: ☒ Major Disaster (Stafford Act Sec. 401) ☐ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date Apr 25, 2014 End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm

☒ Other (please specify) Contamination and Damage to Public Water System

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

On April 25, 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Executive. Based on U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children under age 6 are in a high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting elevated blood lead levels. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
Expedited Major Disaster Declaration Request

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
Expedited Major Disaster Declaration Request

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☒ Crisis Counseling Program ☒ Disaster Unemployment Assistance

☒ All ☒ Disaster Case Management ☒ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Flint, Genesee and Mt. Morris; Cities of Burton and Flint; County of Genesee

We request all available programs. The Individual Assistance programs will be needed to assist residents/water service customers with an estimated cost as much as $54,619,500 to repair damaged lead service lines on private property. The damage estimate is based on damage assessments conducted by the City of Flint with the Genesee County Equalization Department.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☒ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☒ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Flint, Genesee and Mt. Morris; Cities of Burton and Flint; County of Genesee

We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs which could be in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, cartridges, and water test kits. Damage assessments conducted by the City of Flint with the Genesee County Equalization Department concluded that the total potential damages to the City of Flint water distribution infrastructure is estimated at $712,800,000.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☐ I do not anticipate the need for debris removal.

☒ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

N/A

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☒ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

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January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare an Expedited Major Disaster with a Preliminary Damage Assessment to follow if a disaster declaration occurs, and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River on April 25, 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of physicians at Hurley Medical Center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for blood lead levels. Of those tested, fifty residents have exhibited elevated blood lead levels. Twenty eight of the persons found to have elevated blood lead levels are children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The MDHHS has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a significant economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned, and we are assuming it can not be used for potable purposes. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals Assistance Program will be essential to recovery.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing

warehousing management. On January 13, 2016, a Volunteer Reception Center (VRC) was established, and the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) conducted a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance, and Public Assistance, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information addresses the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

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While the extent of the impact is unknown, a worst-case-scenario impact of this emergency could result in significant future health costs to the impacted population, for direct medical needs, secondary and tertiary medical expenses, and secondary and tertiary prevention (education and nutrition).

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MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP) [SNAP]	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Talent and Economic Development (MDTED)

The MDTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

The MDTED's combined efforts are focused on short- and long-term assistance to the impacted communities through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources and studies, MDTED determined potential long-term impacts to the economy of Flint and its residents resulting from the water crisis. Potential long term costs associated with certain

blood lead levels could include lifetime earnings loss, lead health care treatment costs, ADHD treatment costs, and special education costs.

With input from the Department of Treasury, MDTED assessed that the most significant potential negative impact may be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters may leave the city). Residents and businesses may also have to continue to pay extra for bottled water, so the extra spending on water could take away from other spending. It would be relatively easy for residents to move some of their economic/spending activity outside the city, which could contribute to an economic downturn in Flint. Long-term, there may be the significant cost of a new water system over and above the health related costs, estimated by the MDHHS.

Department of Environmental Quality (MDEQ)

The MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal Safe Drinking Water Act. The City of Flint began using the Flint River for drinking water on April 25, 2014.

On October 1, 2015 the State Chief Medical Executive confirmed Hurley Children's Hospital blood lead level data. On this same day, the Genesee County Health Department issued a "Do Not Drink" advisory to the customers of the Flint Water Treatment Plant. On October 15, 2015 the Michigan State Legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the Detroit Water System (DWSD), and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services. On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karagnondi Water Authority is scheduled to be completed in mid to late 2016.

The MDEQ estimates its cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The MDEQ staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Agriculture and Rural Development (MDARD)

Part of the MDARD's coordinated outreach includes contact with businesses, particularly food-related businesses, to evaluate the safety of the water they use in their products. Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They have also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). All establishments received a letter in October 2015 with guidance and

will receive revised guidance over the next few days. There are 97 gas stations within the city which are within those food license numbers. We are planning additional outreach to them as part of our efforts.

No animal licensed shelters exist in the water service area. The current focus is on residences where they may also have pets. There are two veterinary clinics in the City, and we have made individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

The MDARD has been in close coordination with the MDEQ, The MDHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. The MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Education (MDE)

The MDE is monitoring all child nutrition program providers operating in the Flint area. MDE food service program staff is working with all school meal operators and child and adult care operators to ensure they take all proper precautions if they have unsafe water.

Department of Insurance and Financial Services (DIFS)

The DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer. The potential losses experienced in Flint may not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the MDEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Licensing and Regulatory Affairs (LARA)

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following MDEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating replacement costs which could be as much as $55 million.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges. Seven trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More of the above resources are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water – 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014. In response to these disasters, in addition to Stafford Act assistance from DR-4195, the State has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau have successfully addressed the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit to continue rebuild efforts and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG), in cooperation with the Urban Studies Center at Wayne State University, estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is more than double the national rate. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially with lead which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5-year average, a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

In the October, 2015, to December, 2015, time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures require approximately $9.55 million to keep Flint on Detroit water until Karagnondi water is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there could be an estimated need as much as $53 million to help individuals eliminate lead service lines on their properties.

The City's water system has been affected by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source appears to have decomposed and it is likely that some of the underlying lead pipes and lead solders began to leach into the water. Ultimately, this may have contributed to significant EBLL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The University of Michigan–Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief

assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare an Expedited Major Disaster with a Preliminary Damage Assessment to follow if a disaster declaration occurs, and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River on April 25, 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of physicians at Hurley Medical Center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for blood lead levels. Of those tested, fifty residents have exhibited elevated blood lead levels. Twenty eight of the persons found to have elevated blood lead levels are children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The MDHHS has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a significant economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned, and we are assuming it can't be used for potable purposes. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals Assistance Program will be essential to recovery.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing

warehousing management. On January 13, 2016, a Volunteer Reception Center (VRC) was established, and the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) conducted a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance, and Public Assistance, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

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With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating replacement costs which could be as much as $55 million.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014. In response to these disasters, in addition to Stafford Act assistance from DR-4195, the State has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau have successfully addressed the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG), in cooperation with the Urban Studies Center at Wayne State University, estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is more than double the national rate. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially with lead which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5-year average, a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

In the October, 2015, to December, 2015, time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures require approximately $9.55 million to keep Flint on Detroit water until Karagnondi water is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there could be an estimated need as much as $53,000,000 to help individuals eliminate lead service lines on their properties.

The City's water system has been affected by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source appears to have decomposed and it is likely that some of the underlying lead pipes and lead solders began to leach into the water. Ultimately, this may have contributed to significant EBLL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The University of Michigan–Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief

assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare an Expedited Major Disaster with a Preliminary Damage Assessment to follow if a disaster declaration occurs, and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River in 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of physicians at Hurley Medical Center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for blood lead levels. Of those tested, fifty residents have exhibited elevated blood lead levels. Twenty eight of the persons found to have elevated blood lead levels are children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The MDHHS has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a significant economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned, and we are assuming it can't be used for potable purposes. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals Assistance Program will be essential to recovery.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, a Volunteer Reception Center (VRC) was established, and the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) conducted a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance, and Public Assistance, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information addresses the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households. The EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – Geographic Information System Unit (GIS)

On Friday, January 8, 2016, GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present need significant updating before an accurate picture can be created.

DPW estimates that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, GIS staff have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, older sections of the city tend to have sparse concentrations of lead, but the records for these areas are often incomplete.

In order to effectively determine the scope of the affected area, EMHSD is working with DPW and the University of Michigan–Flint to digitize many of DPW's old analog maps in order to extract the pipe status. Even when this process is complete, however, it will remain unclear whether the information will be accurate, given the age of the source data. With the comprehensive water testing plan that the Michigan Department of Environmental Quality (MDEQ) is implementing, problem areas for the city will be identified to allow for manual inspections of the underground pipes to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The National Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services (MDHHS) – Health Division

The MDHHS is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. This emergency potentially could impact the capacity of the MDHHS to continue to undertake its public health work in other areas of the state.

The MDHHS continues to work closely with local partners to ensure that potentially impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). This includes working closely with the local primary care provider community and Women/Infants/Children (WIC) clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The MDHHS updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October 2015, MDHHS initiated community outreach for distribution of educational materials to parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready-to-Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

While the extent of the impact is unknown, a worst-case-scenario impact of this emergency could result in significant future health costs to the impacted population, for direct medical needs, secondary and tertiary medical expenses, and secondary and tertiary prevention (education and nutrition).

Department of Health and Human Services – Human Services Division

The City of Flint is categorized as a food desert. The Human Services Division of the MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods: MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card (SNAP assistance) but still require additional healthy fruits and vegetables beyond what they can obtain through the SNAP program. Other residents who have had elevated blood lead levels may not have a Bridge Card, but purchasing fresh fruits and vegetables still can be a burden due to higher costs.

The plumbing in some homes is in poor condition. As a result, the faucet filters may not fit. The cost of paying for city water that the residents cannot drink is also significant. Some residents may have to make a choice between buying food or to paying for water to flush toilets, bathe, and wash clothes. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of four, with leaks, etc., it could amount to more than $150 per month.

Additional ongoing testing will be required for those with EBLLs. Other potential long-term expenses may include treatment, tutoring, behavior specialists, and mental health services.

Flint is one of the most impoverished areas in Michigan. State and city poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 8.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially between 2006 (25.4%) and 2012 (31.8%).
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP) increased from 35.4% in 2006 to 47% in 2013.
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data," shows the numbers of recipients of benefit programs offered by MDHHS.

MDHHS Program Data

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DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

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Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
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- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014. In response to these disasters, in addition to Stafford Act assistance from DR-4195, the State has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau have successfully addressed the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG), in cooperation with the Urban Studies Center at Wayne State University, estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is more than double the national rate. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially with lead which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5-year average, a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

In the October, 2015, to December, 2015, time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures require approximately $9.55 million to keep Flint on Detroit water until Karagnondi water is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there could be an estimated need as much as $53,000,000 to help individuals eliminate lead service lines on their properties.

The City's water system has been affected by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source appears to have decomposed and it is likely that some of the underlying lead pipes and lead solders began to leach into the water. Ultimately, this may have contributed to significant EBLL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The University of Michigan–Flint is assisting the city with the digitization of historic hand-written records.

Insurance

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Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief

assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare an Expedited Major Disaster with a Preliminary Damage Assessment to follow if a disaster declaration occurs, and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River in 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of physicians at Hurley Medical Center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for blood lead levels. Of those tested, fifty residents have exhibited elevated blood lead levels. Twenty eight of the persons found to have elevated blood lead levels are children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The MDHHS has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a significant economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned, and we are assuming it can't be used for potable purposes. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals Assistance Program will be essential to recovery.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, a Volunteer Reception Center (VRC) was established, and the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) conducted a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance, and Public Assistance, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information addresses the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households. The EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – Geographic Information System Unit (GIS)

On Friday, January 8, 2016, GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present need significant updating before an accurate picture can be created.

DPW estimates that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, GIS staff have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, older sections of the city tend to have sparse concentrations of lead, but the records for these areas are often incomplete.

In order to effectively determine the scope of the affected area, EMHSD is working with DPW and the University of Michigan–Flint to digitize many of DPW's old analog maps in order to extract the pipe status. Even when this process is complete, however, it will remain unclear whether the information will be accurate, given the age of the source data. With the comprehensive water testing plan that the Michigan Department of Environmental Quality (MDEQ) is implementing, problem areas for the city will be identified to allow for manual inspections of the underground pipes to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The National Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services (MDHHS) – Health Division

The MDHHS is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. This emergency potentially could impact the capacity of the MDHHS to continue to undertake its public health work in other areas of the state.

The MDHHS continues to work closely with local partners to ensure that potentially impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). This includes working closely with the local primary care provider community and Women/Infants/Children (WIC) clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The MDHHS updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October 2015, MDHHS initiated community outreach for distribution of educational materials to parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready-to-Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

While the extent of the impact is unknown, a worst-case-scenario impact of this emergency could result in significant future health costs to the impacted population, for direct medical needs, secondary and tertiary medical expenses, and secondary and tertiary prevention (education and nutrition).

Department of Health and Human Services – Human Services Division

The City of Flint is categorized as a food desert. The Human Services Division of the MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods: MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card (SNAP assistance) but still require additional healthy fruits and vegetables beyond what they can obtain through the SNAP program. Other residents who have had elevated blood lead levels may not have a Bridge Card, but purchasing fresh fruits and vegetables still can be a burden due to higher costs.

The plumbing in some homes is in poor condition. As a result, the faucet filters may not fit. The cost of paying for city water that the residents cannot drink is also significant. Some residents may have to make a choice between buying food or to paying for water to flush toilets, bathe, and wash clothes. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of four, with leaks, etc., it could amount to more than $150 per month.

Additional ongoing testing will be required for those with EBLLs. Other potential long-term expenses may include treatment, tutoring, behavior specialists, and mental health services.

Flint is one of the most impoverished areas in Michigan. State and city poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 8.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially between 2006 (25.4%) and 2012 (31.8%).
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP) increased from 35.4% in 2006 to 47% in 2013.
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data," shows the numbers of recipients of benefit programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP) [SNAP]	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Talent and Economic Development (MDTED)

The MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

The MTED's combined efforts are focused on short- and long-term assistance to the impacted communities through various grants and potential infrastructure assistance. MSHDA has identified

allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources and studies, MTED determined potential long-term impacts to the economy of Flint and its residents resulting from the water crisis. Potential long term costs associated with certain blood lead levels could include lifetime earnings loss, lead health care treatment costs, ADHD treatment costs, and special education costs.

With input from the Department of Treasury, MDTED assessed that the most significant potential negative impact may be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters may leave the city). Residents and businesses may also have to continue to pay extra for bottled water, so the extra spending on water could take away from other spending. It would be relatively easy for residents to move some of their economic/spending activity outside the city, which could contribute to an economic downturn in Flint. Long-term, there may be the significant cost of a new water system over and above the health related costs, estimated by the MDHHS.

Department of Environmental Quality (MDEQ)

The MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal Safe Drinking Water Act. The City of Flint began using the Flint River for drinking water in May 2014.

On October 1, 2015 the State Chief Medical Executive confirmed Hurley Children's Hospital blood lead level data. On this same day, the Genesee County Health Department issued a "Do Not Drink" advisory to the customers of the Flint Water Treatment Plant. On October 15, 2015 the Michigan State Legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the Detroit Water System (DWSD), and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services. On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karagnondi Water Authority is scheduled to be completed in mid to late 2016.

The MDEQ estimates its cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The MDEQ staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Agriculture and Rural Development (MDARD)

Part of the MDARD's coordinated outreach includes contact with businesses, particularly food-related businesses, to evaluate the safety of the water they use in their products. Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They have also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help

address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). All establishments received a letter in October 2015 with guidance and will receive revised guidance over the next few days. There are 97 gas stations within the city which are within those food license numbers. We are planning additional outreach to them as part of our efforts.

No animal licensed shelters exist in the water service area. The primary focus is and should be on residences where they may also have pets. There are two veterinary clinics in the City, and we have made individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

The MDARD has been in close coordination with the MDEQ, The MDHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. The MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Education (MDE)

The MDE is monitoring all child nutrition program providers operating in the Flint area. MDE food service program staff is working with all school meal operators and child and adult care operators to ensure they take all proper precautions if they have unsafe water.

Department of Insurance and Financial Services (DIFS)

The DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer. The potential losses experienced in Flint may not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the MDEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Licensing and Regulatory Affairs (LARA)

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following MDEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating the cost for replacement at $55 million.

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I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief

assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare an Expedited Major Disaster with a Preliminary Damage Assessment to follow if a disaster declaration occurs, and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River in 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of physicians at Hurley Medical Center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for blood lead levels. Of those tested, fifty residents have exhibited elevated blood lead levels. Twenty eight of the persons found to have elevated blood lead levels are children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The MDHHS has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a significant economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned, and we are assuming it can't be used for potable purposes. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals Assistance Program will be essential to recovery.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, a Volunteer Reception Center (VRC) was established, and the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) conducted a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance ~~– IHP~~, and Public Assistance ~~– Category B~~, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information addresses the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households. The EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – Geographic Information System Unit (GIS)

On Friday, January 8, 2016, GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present need significant updating before an accurate picture can be created.

DPW estimates that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, GIS staff have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, older sections of the city tend to have sparse concentrations of lead, but the records for these areas are often incomplete.

In order to effectively determine the scope of the affected area, EMHSD is working with DPW and the University of Michigan–Flint to digitize many of DPW's old analog maps in order to extract the pipe status. Even when this process is complete, however, it will remain unclear whether the information will be accurate, given the age of the source data. With the comprehensive water testing plan that the Michigan Department of Environmental Quality (MDEQ) is implementing, problem areas for the city will be identified to allow for manual inspections of the underground pipes to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The National Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services (MDHHS) – Health Division

The MDHHS is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. This emergency potentially could impact the capacity of the MDHHS to continue to undertake its public health work in other areas of the state.

The MDHHS continues to work closely with local partners to ensure that potentially impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). This includes working closely with the local primary care provider community and Women/Infants/Children (WIC) clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The MDHHS updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October 2015, MDHHS initiated community outreach for distribution of educational materials to parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready-to-Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

While the extent of the impact is unknown, a worst-case-scenario impact of this emergency could result in significant future health costs to the impacted population, for direct medical needs, secondary and tertiary medical expenses, and secondary and tertiary prevention (education and nutrition).

Department of Health and Human Services – Human Services Division

The City of Flint is categorized as a food desert. The Human Services Division of the MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods: MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card (SNAP assistance) but still require additional healthy fruits and vegetables beyond what they can obtain through the SNAP program. Other residents who have had elevated blood lead levels may not have a Bridge Card, but purchasing fresh fruits and vegetables still can be a burden due to higher costs.

The plumbing in some homes is in poor condition. As a result, the faucet filters may not fit. The cost of paying for city water that the residents cannot drink is also significant. Some residents may have to make a choice between buying food or to paying for water to flush toilets, bathe, and wash clothes. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of four, with leaks, etc., it could amount to more than $150 per month.

Additional ongoing testing will be required for those with EBLLs. Other potential long-term expenses may include treatment, tutoring, behavior specialists, and mental health services.

Flint is one of the most impoverished areas in Michigan. State and city poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 8.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially between 2006 (25.4%) and 2012 (31.8%).
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP) increased from 35.4% in 2006 to 47% in 2013.
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data," shows the numbers of recipients of benefit programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP) [SNAP]	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Talent and Economic Development (MDTED)

The MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

The MTED's combined efforts are focused on short- and long-term assistance to the impacted communities through various grants and potential infrastructure assistance. MSHDA has identified

allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources and studies, MTED determined potential long-term impacts to the economy of Flint and its residents resulting from the water crisis. Potential long term costs associated with certain blood lead levels could include lifetime earnings loss, lead health care treatment costs, ADHD treatment costs, and special education costs.

With input from the Department of Treasury, MDTED assessed that the most significant potential negative impact may be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters may leave the city). Residents and businesses may also have to continue to pay extra for bottled water, so the extra spending on water could take away from other spending. It would be relatively easy for residents to move some of their economic/spending activity outside the city, which could contribute to an economic downturn in Flint. Long-term, there may be the significant cost of a new water system over and above the health related costs, estimated by the MDHHS.

Department of Environmental Quality (MDEQ)

The MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal Safe Drinking Water Act. The City of Flint began using the Flint River for drinking water in May 2014.

On October 1, 2015 the State Chief Medical Executive confirmed Hurley Children's Hospital blood lead level data. On this same day, the Genesee County Health Department issued a "Do Not Drink" advisory to the customers of the Flint Water Treatment Plant. On October 15, 2015 the Michigan State Legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the Detroit Water System (DWSD), and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services. On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karagnondi Water Authority is scheduled to be completed in mid to late 2016.

The MDEQ estimates its cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The MDEQ staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Agriculture and Rural Development (MDARD)

Part of the MDARD's coordinated outreach includes contact with businesses, particularly food-related businesses, to evaluate the safety of the water they use in their products. Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They have also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help

address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). All establishments received a letter in October 2015 with guidance and will receive revised guidance over the next few days. There are 97 gas stations within the city which are within those food license numbers. We are planning additional outreach to them as part of our efforts.

No animal licensed shelters exist in the water service area. The primary focus is and should be on residences where they may also have pets. There are two veterinary clinics in the City, and we have made individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

The MDARD has been in close coordination with the MDEQ, The MDHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. The MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Education (MDE)

The MDE is monitoring all child nutrition program providers operating in the Flint area. MDE food service program staff is working with all school meal operators and child and adult care operators to ensure they take all proper precautions if they have unsafe water.

Department of Insurance and Financial Services (DIFS)

The DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer. The potential losses experienced in Flint may not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the MDEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Licensing and Regulatory Affairs (LARA)

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following MDEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating the cost for replacement at $55 million.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014. In response to these disasters, in addition to Stafford Act assistance from DR-4195, the State has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau have successfully addressed the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG), in cooperation with the Urban Studies Center at Wayne State University, estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is more than double the national rate. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially with lead which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5-year average, a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

In the October, 2015, to December, 2015, time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures require approximately $9.55 million to keep Flint on Detroit water until Karagnondi water is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate lead service lines on their properties.

The City's water system has been affected by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source appears to have decomposed and it is likely that some of the underlying lead pipes and lead solders began to leach into the water. Ultimately, this may have contributed to significant EBLL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The University of Michigan–Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief

assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207] (Stafford Act), and implemented by 44 CFR §, Emergency citation (206.35)], I request that you declare an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint which was demonstrated in October, 2015.

Impact and Trauma

As a result of the cooperative monitoring efforts in place by the City, State and Environmental Protection Agency (EPA), and the painstaking work of physicians at Hurley Medical Center, elevated blood lead levels (EBLLs) were discovered, and the County issued a do not drink order on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus, and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for lead levels and 50 residents have exhibited elevated blood lead levels. Of those, 28 are children under the age of six, the most likely age group to be impacted long term. One child was hospitalized, treated, and released. No deaths have been associated with this emergency.

The situation becomes more complex as the MDHHS has observed a spike in the Flint area of Legionella which also occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

Additionally, the economic and psychological impact this has had on the community is significant. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level, and so, while water is safe for non-consumptive uses, people are understandably concerned. Special populations are especially vulnerable in this crisis as they are often unable to access available vital nutrition or water resources. Assistance with the Individuals and Households Program will be vital to recovery.

With the extent of time between the inception of Flint River water until the return to Detroit Water and Sewerage Department and re-treatment of the mains and pipes by the City, it is impossible to know the extent of those individuals who suffered the effects of EBLL. The duration of an EBLL

can vary significantly depending on season, diet and other factors. The detection of substantial increases in EBLLs suggests a much higher rate over the duration of the emergency is likely.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, with the establishment of the (Volunteer Reception Center (VRC), the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) is conducting a conference call to determine how it can more fully activate (several member organizations have already activated). Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

A State of Emergency was declared on January 5, 2016 for the County of Genesee and City of Flint. Pursuant to Michigan's Public Act 390, both the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2015, respectively.

The effect of this emergency has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities. And it even includes all pets and other domestic animals living in the city.

The City of Flint has estimated the cost of replacing corroded infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization estimates of $25 per linear foot to remove and replace damaged private service lines. Both Individual Assistance – IHP, and Public Assistance – Category B, will be crucial to helping the city and her residents recover. The State has also invested over $10 million so far in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

Recognizing their responsibility to make their community as disaster-resilient as possible, be advised that all affected jurisdictions that are the subject of this request have in place a current, federally/FEMA approved, Disaster Mitigation Act of 2000-compliant Hazard Mitigation Plan. The plan was adopted January 26, 2015, and under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included in Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has also made a strong commitment to mitigate hazards and has met applicable federal standards: the Michigan Hazard Mitigation Plan was approved by FEMA on April 23, 2014 as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households.

EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – GIS Unit

On Friday, January 8, 2016 GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present needs significant updating before an accurate picture can be created.

DPW estimated that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, we have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, the older areas of the city tend to have sparse concentrations of lead, but often the records for these areas are incomplete.

In order to effectively determine where the affected area is EMHSD is working with DPW and the University of Michigan – Flint to digitize many of DPW's old analog maps to extract the pipe status. Even when this initiative is complete, it will remain unclear if the data will prove to be very accurate as the source data is considerably out of date. With the comprehensive water testing plan that the Michigan Department of Environmental Quality (MDEQ) is implementing, problem areas for the city will be identified so that manual inspections of the underground pipes can be done to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services – Health (MDHHS)

MDHHS is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. The unique aspect is the potential additional impact to the department's work due to the water emergency.

The MDHHS continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

MDHHS-H has generated the potential expected impact of this emergency on future health costs. They include as much as $12,000,000 in secondary prevention – education; $1,575,000 in secondary and tertiary prevention – nutrition; direct medical health costs are estimated at $18,280,849 with $120,875,000 in secondary and tertiary medical expenses;

Department of Talent and Economic Development (MTED)

MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the Townships of Mt. Morris, Flint, and Genesee; the Cities of Flint and Burton; and Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources and studies, MTED determined potential long-term impacts to the economy of Flint and its residents resulting from the water crisis. Potential long term costs associated with certain blood lead levels could include lifetime earnings loss, lead health care treatment costs, ADHD treatment costs, and special education costs.

With input from the Department of Treasury, MTED assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses will also have to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems a reasonable estimate, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term, there will be the significant cost of a new water system. Direct health related costs, estimated by MDHHS, are in addition to this estimate.

Department of Environmental Quality (MDEQ)

MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal State Drinking Water Act. The City began using the Flint River for drinking water in May 2014.

On October 1, 2015 the State Chief Medical Executive confirmed Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announced the Governor's Flint action plan. On October 15, 2015 the Michigan State Legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. And on October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

MDEQ estimates cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The staff will be

responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Health and Human Services – Human Services (MDHHS)

The City of Flint is categorized as a food desert, and the MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden due to higher costs.

In some homes the plumbing is very poor; as a result the faucet filters may not fit. The cost of paying for city water that the residents can't use is astronomical. As a scenario, residents have to make a choice to buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of 4 with leaks etc. it could be about $150 or more per month.

Additional ongoing testing will be required for those with EBLs - treatment long-term, tutoring, behavior specialists, and mental health services are all long-term effects.

The state and city's poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially:
  - 2006: 25.4%
  - 2012: 31.8%
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 9.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2006: 35.4%
  - 2013: 47%
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data" shows the numbers of recipients of programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP)	35,231	57,974
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State Emergency Relief (SER)	460	n/a

Medicaid (MA)	52,735	82,117

Department of Agriculture and Rural Development (MDARD)

Part of MDARD's coordinated outreach includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.

Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). In both cases we have identified higher priorities for outreach. All of those establishments received a letter in October 2015 with guidance; all of them will receive revised guidance over the next few days. There are 97 gas stations within the city which are within those food license numbers, and we are planning additional outreach to them as part of our efforts.

No licensed animal shelters exist in the water service area. The primary focus is and should be on residences where they may also have pets. There are two veterinary clinics in the City, and we have made individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

MDARD has been in close coordination with DEQ, DHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Education (MDE)

The MDE is monitoring all child nutrition program providers operating in the Flint area. MDE food service program staff is working with all school meal operators and child and adult care operators to ensure they take all proper precautions if they have unsafe water.

Department of Insurance and Financial Services (DIFS)

DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer.

The losses experienced in Flint would not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the MDEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Licensing and Regulatory Affairs (LARA)

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following MDEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.
Replacement of faucets and piping are to be certified with no lead.

- Sink faucets $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating the cost for replacement at $55 million.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014.

The State, in addition to Stafford Act assistance from DR-4195, has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau successfully responded to the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit proper to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG) in cooperation with the Urban

Studies Center at Wayne State University estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County and particularly the City of Flint experience rates of poverty significantly higher than the rates of both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is nearly double the county. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially of lead, which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5 year average a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

The relevant category under PA is B, Emergency Protective Measures.

In the October to December time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures are require approximately $9.55 million to keep Flint on Detroit water until Karagnondi is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate damaged lead service lines on their properties.

The City's water system was damaged by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source decomposed and underlying lead pipes and lead solders began to leach into the water. Ultimately, this lead to the significant EBL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The map attached as Figure 2, shows pipe composition in the northwest part of

the city (the newest), so the percentage would be lower here than in older parts of the city. The University of Michigan – Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that emergency federal relief assistance is necessary. I am specifically requesting activation of eligible programs under both Individual Assistance and Public Assistance for all affected jurisdictions specified in this request. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies whose resources and expertise can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare an Expedited Major Disaster with a Preliminary Damage Assessment to follow if a disaster declaration occurs, and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River on April 25, 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of physicians at Hurley Medical Center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,642 Flint residents have been tested for blood lead levels. Of those tested, fifty residents have exhibited elevated blood lead levels. Twenty eight of the persons found to have elevated blood lead levels are children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The MDHHS has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a significant economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the population. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned, and we are assuming it can't be used for potable purposes. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals Assistance Program will be essential to recovery.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing

warehousing management. On January 13, 2016, a Volunteer Reception Center (VRC) was established, and the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) conducted a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance, and Public Assistance, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information addresses the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households. The EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – Geographic Information System Unit (GIS)

On Friday, January 8, 2016, GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present need significant updating before an accurate picture can be created.

DPW estimates that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, GIS staff have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, older sections of the city tend to have sparse concentrations of lead, but the records for these areas are often incomplete.

In order to effectively determine the scope of the affected area, EMHSD is working with DPW and the University of Michigan–Flint to digitize many of DPW's old analog maps in order to extract the pipe status. Even when this process is complete, however, it will remain unclear whether the information will be accurate, given the age of the source data. With the comprehensive water testing plan that the Michigan Department of Environmental Quality (MDEQ) is implementing, problem areas for the city will be identified to allow for manual inspections of the underground pipes to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The National Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services (MDHHS) – Health Division

The MDHHS is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. This emergency potentially could impact the capacity of the MDHHS to continue to undertake its public health work in other areas of the state.

The MDHHS continues to work closely with local partners to ensure that potentially impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). This includes working closely with the local primary care provider community and Women/Infants/Children (WIC) clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The MDHHS updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

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While the extent of the impact is unknown, a worst-case-scenario impact of this emergency could result in significant future health costs to the impacted population, for direct medical needs, secondary and tertiary medical expenses, and secondary and tertiary prevention (education and nutrition).

Department of Health and Human Services – Human Services Division

The City of Flint is categorized as a food desert. The Human Services Division of the MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods: MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card (SNAP assistance) but still require additional healthy fruits and vegetables beyond what they can obtain through the SNAP program. Other residents who have had elevated blood lead levels may not have a Bridge Card, but purchasing fresh fruits and vegetables still can be a burden due to higher costs.

The plumbing in some homes is in poor condition. As a result, the faucet filters may not fit. The cost of paying for city water that the residents cannot drink is also significant. Some residents may have to make a choice between buying food or to paying for water to flush toilets, bathe, and wash clothes. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of four, with leaks, etc., it could amount to more than $150 per month.

Additional ongoing testing will be required for those with EBLLs. Other potential long-term expenses may include treatment, tutoring, behavior specialists, and mental health services.

Flint is one of the most impoverished areas in Michigan. State and city poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 8.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially between 2006 (25.4%) and 2012 (31.8%).
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Department of Talent and Economic Development (MDTED)

The MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

The MTED's combined efforts are focused on short- and long-term assistance to the impacted communities through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources and studies, MTED determined potential long-term impacts to the economy of Flint and its residents resulting from the water crisis. Potential long term costs associated with certain

blood lead levels could include lifetime earnings loss, lead health care treatment costs, ADHD treatment costs, and special education costs.

With input from the Department of Treasury, MDTED assessed that the most significant potential negative impact may be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters may leave the city). Residents and businesses may also have to continue to pay extra for bottled water, so the extra spending on water could take away from other spending. It would be relatively easy for residents to move some of their economic/spending activity outside the city, which could contribute to an economic downturn in Flint. Long-term, there may be the significant cost of a new water system over and above the health related costs, estimated by the MDHHS.

Department of Environmental Quality (MDEQ)

The MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal Safe Drinking Water Act. The City of Flint began using the Flint River for drinking water on April 25, 2014.

On October 1, 2015 the State Chief Medical Executive confirmed Hurley Children's Hospital blood lead level data. On this same day, the Genesee County Health Department issued a "Do Not Drink" advisory to the customers of the Flint Water Treatment Plant. On October 15, 2015 the Michigan State Legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the Detroit Water System (DWSD), and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services. On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karagnondi Water Authority is scheduled to be completed in mid to late 2016.

The MDEQ estimates its cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The MDEQ staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Agriculture and Rural Development (MDARD)

Part of the MDARD's coordinated outreach includes contact with businesses, particularly food-related businesses, to evaluate the safety of the water they use in their products. Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They have also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). All establishments received a letter in October 2015 with guidance and

will receive revised guidance over the next few days. There are 97 gas stations within the city which are within those food license numbers. We are planning additional outreach to them as part of our efforts.

No animal licensed shelters exist in the water service area. The primary focus is and should be on residences where they may also have pets. There are two veterinary clinics in the City, and we have made individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

The MDARD has been in close coordination with the MDEQ, The MDHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. The MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Education (MDE)

The MDE is monitoring all child nutrition program providers operating in the Flint area. MDE food service program staff is working with all school meal operators and child and adult care operators to ensure they take all proper precautions if they have unsafe water.

Department of Insurance and Financial Services (DIFS)

The DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer. The potential losses experienced in Flint may not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the MDEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Licensing and Regulatory Affairs (LARA)

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following MDEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating replacement costs which could be as much as $55 million.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014. In response to these disasters, in addition to Stafford Act assistance from DR-4195, the State has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau have successfully addressed the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG), in cooperation with the Urban Studies Center at Wayne State University, estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is more than double the national rate. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially with lead which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5-year average, a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

In the October, 2015, to December, 2015, time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures require approximately $9.55 million to keep Flint on Detroit water until Karagnondi water is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there could be an estimated need as much as $53 million to help individuals eliminate lead service lines on their properties.

The City's water system has been affected by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source appears to have decomposed and it is likely that some of the underlying lead pipes and lead solders began to leach into the water. Ultimately, this may have contributed to significant EBLL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The University of Michigan–Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief

assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207] (Stafford Act), and implemented by 44 CFR §, Emergency citation (206.35)], I request that you declare an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint which was demonstrated in October, 2015.

Impact and Trauma

As a result of the cooperative monitoring efforts in place by the City, State and Environmental Protection Agency (EPA), and the painstaking work of doctors at Hurly medical center, elevated blood lead levels (EBLLs) were discovered, and the County issued a do not drink order on October 1, 2015. As of the most recent update 2,182 Flint residents have been tested for lead levels and 43 residents have exhibited elevated blood lead levels. Of those, 23 were children under the age of six, the most likely age group to be impacted long term. One child was hospitalized, treated, and released. No deaths have been associated with this emergency.

The situation becomes more complex as the Michigan Department of Health and Human Services has observed a spike in the Flint area of Legionella which also occurred in roughly the same time frame. This too will be investigated for any potential link to the water system. While unlikely to be related to the water system, this new problem adds to the negative psychological impacts on mental health that have become extensive.

Additionally, the economic and psychological impact this has had on the community is severe. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the populace. Mistrust in government is at a heightened level, and so, while water is safe for non-consumptive uses, people are understandably concerned. Special populations are especially vulnerable in this crisis as they are often unable to access available vital nutrition or water resources. Assistance with the Individuals and Households Program will be vital to recovery.

With the extent of time between the inception of Flint River water until the return to Detroit Water and Sewerage Department and re-treatment of the mains and pipes by the City, it is impossible to know the extent of those individuals who suffered the effects of EBLL. The duration of an EBLL can vary significantly depending on season, diet and other factors. The detection of substantial increases in EBLLs suggests a much higher rate over the duration of the emergency is likely.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, with the establishment of the (Volunteer Reception Center (VRC), the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) is conducting a conference call to determine how it can more fully activate (several member organizations have already activated). Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

A State of Emergency was declared on January 5, 2016 for the County of Genesee and City of Flint. Pursuant to Michigan's Public Act 390, both the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2015, respectively.

The effect of this emergency has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities. And it even includes all pets and other domestic animals living in the city.

The City of Flint has estimated the cost of replacing corroded infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization estimates of $25 per linear foot to remove and replace damaged private service lines. Both Individual Assistance – IHP, and Public Assistance – Category B, will be crucial to helping the city and her residents recover. The State has also invested over $10 million so far in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

Recognizing their responsibility to make their community as disaster-resilient as possible, be advised that all affected jurisdictions that are the subject of this request have in place a current, federally/FEMA approved, Disaster Mitigation Act of 2000-compliant Hazard Mitigation Plan. The plan was adopted January 26, 2015, and under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included in Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has also made a strong commitment to mitigate hazards and has met applicable federal standards: the Michigan Hazard Mitigation Plan was approved by FEMA on April 23, 2014 as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households.

EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – GIS Unit

On Friday, January 8, 2016 GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present needs significant updating before an accurate picture can be created.

DPW estimated that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, we have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, the older areas of the city tend to have sparse concentrations of lead, but often the records for these areas are incomplete.

In order to effectively determine where the affected area is EMHSD is working with DPW and the University of Michigan – Flint to digitize many of DPW's old analog maps to extract the pipe status. Even when this initiative is complete, it will remain unclear if the data will prove to be very accurate as the source data is considerably out of date. With the comprehensive water testing plan that the DEQ is implementing, problem areas for the city will be identified so that manual inspections of the underground pipes can be done to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The Guard will help to broaden *the distribution of water, filters, and test kits throughout the water department's service area.*

Department of Health and Human Services – Health (MDHHS – H)

MDHHS-H is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. The unique aspect is the potential additional impact to the department's work due to the water emergency.

The MDHHS continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with *manufacturers and WIC retailers to address any supply or distribution issues with infant formula* availability.

MDHHS-H has generated the potential expected impact of this emergency on future health costs. They include as much as $12,000,000 in secondary prevention – education; $1,575,000 in secondary and tertiary prevention – nutrition; Direct medical health costs are estimated at $18,280,849 with $120,875,000 in secondary and tertiary medical expenses;

Department of Talent and Economic Development (MTED)

MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the Townships of Mt. Morris, Flint, and Genesee; the Cities of Flint and Burton; and Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, MTED has assessed potential impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at 4 potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total
- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

With input from the Department of Treasury, MDTED assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses will also have to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems a reasonable estimate, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term, there will be the significant cost of a new water system. Direct health related costs, estimated by MDHHS, are in addition to this estimate.

Department of Environmental Quality (MDEQ)

On October 1, 2015 the State Chief Medical Officer confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to help fund the City's return to purchasing treated water from the DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

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Department of Health and Human Services – Human Services (MDHHS- HS)

MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods. MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden due to higher costs.

In some homes the plumbing is very poor; as a result the faucet filters may not fit. The cost of paying for city water that the residents can't use is astronomical. As a scenario, residents have to make a choice to buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of 4 with leaks etc. it could be about $150 or more per month.

Additional ongoing testing will be required for those with EBLs - treatment long-term, tutoring, behavior specialists, and mental health services are all long-term effects.

The state and city's poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially:
  - 2012: 31.8% - 2006: 25.4%
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 9.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2013: 47% - 2006: 35.4%
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data" shows the numbers of recipients of programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP)	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Agriculture and Rural Development (MDARD)

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While the responses to Portland and Grand Traverse/Leelanau successfully responded to the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit proper to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG) in cooperation with the Urban Studies Center at Wayne State University estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is nearly double the county's. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially of lead, which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5 year average a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

The relevant category under PA is B, Emergency Protective Measures.

In the October to December time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures are require approximately $9.55 million to keep Flint on Detroit water until Karagnondi is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate damaged lead service lines on their properties.

The City's water system was damaged by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source decomposed and underlying lead pipes and lead solders began to leach into the water. Ultimately, this lead to the significant EBL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The map attached as Figure 2, shows pipe composition in the northwest part of the city (the newest), so the percentage would be lower here than in older parts of the city. The University of Michigan – Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that emergency federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies who's resources and expertise can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207] (Stafford Act), and implemented by 44 CFR § [Major Disaster citation (206.36), Emergency citation (206.35)], I request that you declare a Disaster for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint which was demonstrated in October, 2015.

Impact and Trauma

As a result of the cooperative monitoring efforts in place by the City, State and EPA, and the painstaking work of doctors at Hurly medical center, elevated blood lead levels (EBLs) were discovered, and the County issued a do not drink order on October 1, 2015. As of the most recent update of January 8, 2016, 2,182 Flint residents have been tested for lead levels and 43 residents have exhibited elevated blood lead levels. Of those, 23 were children under the age of six, the most likely age group to be impacted long term. One child was hospitalized, treated, and released. No deaths have been associated with this emergency.

The situation becomes more complex as the Michigan Department of Health and Human Services has observed a spike in the Flint area of Legionella which also occurred in roughly the same time frame. This too will be investigated for any potential link to the water system. While unlikely to be related to the water system, this new problem adds to the negative psychological impacts on mental health that have become extensive.

Additionally, the economic and psychological impact this has had on the community is severe. While water is flowing through the tap, it is considered unusable for any purposes

by a large percentage of the populace. Mistrust in government is at a heightened level due to the mistakes made, and so, while water is safe for non-consumptive uses, people are understandably leery of the system. Special populations are especially vulnerable in this crisis as they are often unable to access available vital nutrition or water resources. Assistance with Individuals and Households Program, Crisis Counseling, Disaster Unemployment, Disaster Case Management, and Disaster Legal Services will be vital to recovery.

With the extent of time between the inception of Flint River water until the return to Detroit Water and Sewerage Department and re-treatment of the mains and pipes by the City, it is impossible to know the extent of those individuals who suffered the effects of EBL. The duration of an EBL can vary significantly depending on season, diet and other factors. The detection of substantial increases in EBLs suggests a much higher rate over the duration of the emergency is likely.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management, volunteers for canvassing and water distribution, and is also working to establish a Volunteer Reception Center (VRC). On January 13, 2016, with the establishment of the VRC, the MI-VOAD is conducting a conference call to determine how it can more fully activate (several member organizations have already activated) Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

A State of Emergency was declared on January 5, 2016 for the County of Genesee and City of Flint. Pursuant to Michigan's Public Act 390, both the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2015, respectively.

The effect of this emergency has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities. And it even includes all pets and other domestic animals living in the city.

The City of Flint has estimated the cost of replacing corroded infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate by the Genesee County Department of Equalization estimates of $25 per linear foot to remove and replace damaged private service lines. Both Individual Assistance and Public Assistance will be crucial to helping the city and her residents recover. The State has also invested over $10 million so far in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

Recognizing their responsibility to make their community as disaster-resilient as possible, be advised that both affected jurisdictions that are the subject of this request have in place a current, federally/FEMA approved, Disaster Mitigation Act of 2000-compliant Hazard Mitigation Plan. The plan was adopted January 26, 2015, and under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included in Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has also made a strong commitment to mitigate hazards and has met applicable federal standards: the Michigan Hazard Mitigation Plan was approved by FEMA on April 23, 2014 as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000. If appropriate funding can be secured, this emergency will provide an opportunity to implement hazard mitigation projects identified in these plans, in order to reduce the impact of future emergencies of this nature.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households.

EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – GIS Unit

On Friday, January 8, 2016 GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present needs significant updating before an accurate picture can be created.

DPW estimated that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, we have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, the older areas of the city tend to have sparse concentrations of lead, but often the records for these areas are incomplete.

In order to effectively determine where the affected area is EMHSD is working with DPW and the University of Michigan – Flint to digitize many of DPW's old analog maps to extract the pipe status. However, we will likely not have a clear picture until the end of the week. Even

when this initiative is complete, it will remain unclear if the data will prove to be very accurate as the source data is considerably out of date. With the comprehensive water testing plan that the DEQ is implementing, problem areas for the city will be identified so that manual inspections of the underground pipes can be done to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services – Health (MDHHS – H)

MDHHS-H is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. The unique aspect is the potential additional impact to the department's work due to the water emergency.

The MDHHS continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

MDHHS-H has generated the potential expected impact of this emergency on future health costs. They include as much as $12,000,000 in secondary prevention – education; $1,575,000 in secondary and tertiary prevention – nutrition; Direct medical health costs are estimated at $18,280,849 with $120,875,000 in secondary and tertiary medical expenses;

Department of Talent and Economic Development (MTED)

MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the Townships of Mt. Morris, Flint, and Genesee; the Cities of Flint and Burton; and Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, MTED has assessed potential impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at 4 potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total
- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

With input from the Department of Treasury, MDTED assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses will also have to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems a reasonable estimate, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term, there will be the significant cost of a new water system. Direct health related costs, estimated by MDHHS, are in addition to this estimate.

Department of Environmental Quality (MDEQ)

Historically, the Flint Water Treatment Plant utilized the Flint River as the source for providing drinking water to its customers. In 1967, the city of Flint (City) started to purchase treated water from the Detroit Water and Sewerage Department (DWSD). The DWSD water source is Lake Huron. The Flint River supply infrastructure to the water treatment plant was continuously maintained as an emergency backup source to the system.

Over time, the DWSD source became financially strenuous to the City and in January 2006 discussions ensued regarding utilizing the proposed Karegnondi Water Authority, which was not yet constructed, as an alternative primary long-term water supply for Genesee County and the Flint Water Treatment Plant customers. In 2009, the Lake Huron water supply study for the Karegnondi Water Authority was conducted and an Executive Summary and Preliminary

Engineering Report were generated. Due to the financial strains the City was experiencing, they resolved to end their contract with DWSD and temporarily convert the water supply back to the Flint River as the source for the Flint Water Treatment Plant prior to the completion of the Karegnondi Water Authority. In April 2014 the Michigan Department of Environmental Quality (MDEQ) issued the Flint Water Treatment Plant construction permits for full time operation enhancements. In May 2014, the conversion of the source was implemented and the Flint Water Treatment Plant began distributing water to its customers.

To ensure compliance with the federal Lead and Copper Rule requirements for corrosion control, The City commenced two 6-month lead and copper monitoring periods. A first 6-month monitoring period ended on December 31, 2014, and the City's report was due to the MDEQ on January 10, 2015. The results from this report indicated the lead level (90^{th} percentile) was 6 ppb, just over the 5 ppb level deemed as having optimized corrosion control. On March 30, 2015 the MDEQ notified the City of the 6ppb results.

On June 30, 2015, second 6-month lead and copper monitoring period ended. After consultation with the EPA on July 21, the MDEQ notified the City of the results on August 17, 2015. At that time the MDEQ, reported that their analysis indicated a lead level of 11 ppb (90^{th} percentile), and required the City to install corrosion control equipment and begin treatment.

On July 28, 2015 the MDEQ received information from the Michigan Department of Health and Human Services (MDHHS) indicating blood lead levels in City of Flint residents were consistent with past years seasonal variations.

On September 24, 2015 Hurley Children's Hospital revealed data indicating elevated blood lead levels in children who reside in certain zip codes in the City. This same date the MDHHS reaffirms that their data is more comprehensive than that of Hurley Children's Hospital and remained consistent with past year seasonal variations. On September 25, the City announced a lead advisory regarding the drinking water to its citizens.

On October 1, 2015 the State Chief Medical Officer confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to help fund the City's return to purchasing treated water from the DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

MDEQ estimates cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Health and Human Services – Human Services (MDHHS- HS)

MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods. MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden due to higher costs.

In some homes the plumbing is very poor; as a result the faucet filters may not fit. The cost of paying for city water that the residents can't use is astronomical. As a scenario, residents have to make a choice to buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of 4 with leaks etc. it could be about $150 or more per month.

Additional ongoing testing will be required for those with EBLs - treatment long-term, tutoring, behavior specialists, and mental health services are all long-term effects.

The state and city's poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially:
  - 2012: 31.8%
  - 2006: 25.4%
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2013: 47%
  - 2006: 35.4%
- 21.8% of students did not graduate on time in 2013.

- The following table, "MDHHS Program Data" shows the numbers of recipients of programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP)	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Agriculture and Rural Development (MDARD)

Part of MDARD's coordinated outreach includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.

Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). In both cases we are identify higher priorities. All of those received a letter in October with guidance; all of them will receive revised guidance as soon as it is approved. There are 97 gas stations within the city which are within those food license numbers, but we are planning additional outreach to them as part of our efforts. MDARD will be working with on potential next steps with the Flint Farmers' Market.

No animal shelters exist in the water service area that we are aware of. The primary focus is and should be on residences where they also have pets. There are two vet clinics in the City, and we were making individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

MDARD has been in close coordination with DEQ, DHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all

four agencies. MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Insurance and Financial Services (DIFS)

DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer.

The losses experienced in Flint would not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the Department of Environmental Quality of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to PODs and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the JIC at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:
Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
Brita faucet filters – 27,000
Brita Replacement filters – 1,600
PUR faucet filters – 12,500
PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014.

The State, in addition to Stafford Act assistance from DR-4195, has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau successfully responded to the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges.

Several voluntary organizations work in Detroit proper to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG) in cooperation with the Urban Studies Center at Wayne State University estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Individual Assistance/Demographics

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Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
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* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

[The following information is required for requests for Public Assistance.]

Public Assistance

The two relevant categories under PA are B, Emergency Protective Measures, and F, Public Utilities.

In the October to December time frame, the State received an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures are require approximately $ in one time costs and $ in daily expenditures.

The City's water system was damaged by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source decomposed and underlying lead pipes and lead solders began to leach into the water. Ultimately, this lead to the significant EBL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The map attached as Figure 2, shows pipe composition in the northwest part of the city (the newest), so the percentage would be lower here than in older parts of the city. The University of Michigan – Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource in times of emergency. The County, from which we could normally obtain insurance coverage information, does not track this. In any case, per the Department of Insurance and Financial Services referenced above, normal property insurance would have this type of damage as an exclusion. The likelihood of coverage is very low.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that emergency federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county specified in this request, and activation of the Hazard Mitigation Grant Program (HMGP) for all counties within the state. Preliminary estimates of the types and amount

of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively.

No PDA has been conducted or requested at this point in time due to the obvious severity of the emergency and the immediacy of the need for emergency protective measures. I am requesting Direct Federal Assistance from other agencies who's resources and expertise can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $178,000,000, in accordance with the tables at Enclosures A and B.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell:

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date _____ End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide
☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds
☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm
☒ Other (please specify) Public Health

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

In early May 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Executive. Based on U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children under 6 are in a high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting EBL. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated cost as much as $54,619,500 over a period of 1 year to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs which could be in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, filter cartridges, and water test kits.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ *I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407* of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:
Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.
State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) *Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work;* (2) *Hold and save the* United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

Historically, the Flint Water Treatment Plant utilized the Flint River as the source for providing drinking water to its customers. In 1967, the city of Flint (City) started to purchase treated water from the Detroit Water and Sewerage Department (DWSD). The DWSD water source is Lake Huron. The Flint River supply infrastructure to the water treatment plant was continuously maintained as an emergency backup source to the system.

Over time, the DWSD source became financially strenuous to the City and in January 2006 discussions ensued regarding utilizing the proposed Karegnondi Water Authority, which was not yet constructed, as an alternative primary long-term water supply for Genesee County and the Flint Water Treatment Plant customers. In 2009, the Lake Huron water supply study for the Karegnondi Water Authority was conducted and an Executive Summary and Preliminary Engineering Report were generated. Due to the financial strains the City was experiencing, they resolved to end their contract with DWSD and temporarily convert the water supply back to the Flint River as the source for the Flint Water Treatment Plant prior to the completion of the Karegnondi Water Authority. In April 2014 the Michigan Department of Environmental Quality (MDEQ) issued the Flint Water Treatment Plant construction permits for full time operation enhancements. In May 2014, the conversion of the source was implemented and the Flint Water Treatment Plant began distributing water to its customers.

To ensure compliance with the federal Lead and Copper Rule requirements for corrosion control, The City commenced two 6-month lead and copper monitoring periods. A first 6-month monitoring period ended on December 31, 2014, and the City's report was due to the MDEQ on January 10, 2015. The results from this report indicated the lead level (90^{th} percentile) was 6 ppb, just over the 5 ppb level deemed as having optimized corrosion control. On March 30, 2015 the MDEQ notified the City of the 6ppb results.

On June 30, 2015, second 6-month lead and copper monitoring period ended. After consultation with the EPA on July 21, the MDEQ notified the City of the results on August 17, 2015. At that time the MDEQ, reported that their analysis indicated a lead level of 11 ppb (90^{th} percentile), and required the City to install corrosion control equipment and begin treatment.

On July 28, 2015 the MDEQ received information from Michigan Department of Health and Human Services (MDHHS) indicating blood lead levels in City of Flint residents were consistent with past years seasonal variations.

On September 24, 2015 Hurley Children's Hospital revealed data indicating elevated blood lead levels in children who reside certain zip codes in the City. This same date the MDHHS reaffirms that their data is more comprehensive than that of Hurley Children's Hospital and remained consistent with past year seasonal variations. On September 25, the City announced a lead advisory regarding the drinking water to its citizens.

On October 1, 2015 the State Chief Medical Officer confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to help fund the City's return to purchasing treated water from the

DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

MDEQ estimates cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

	Inputs		
Maximal Blood Lead Level	Associated loss in IQ points per child	NPV earnings value of each IQ point	Cost of recommended health care treatment per child
5-10	2.6	$20,441	
10-20	3.9	$20,441	$84
20-40	5.8	$20,441	$1,171
>40	6.9	$20,441	$1,522

All data based on the 2014 report prepared by the University of Michigan Risk Science Center and the Mich

* Associated loss in IQ points per child multplied by the NPV earnings value of each IQ point multplied by th

** Per child treament costs multiplied by the estimated impacted population

*** Estimate of incidence rate of ADHD in children with elevated lead blood levels multiplied by the estima

**** Per year cost ($18,219) multiplied by 9 years multiplied by 20% of the estimated impacted populatior

http://www.riskscience.umich.edu/wp-content/uploads/2013/12/Economic-Impact-of-Lead-in-I

		Outputs		
Flint Population Children <5	Estimated Percent of Population Impacted	Lifetime earnings loss total (NPV)*	Lead Health Care Treatment Costs**	ADHD Treatment Costs***
10,577	6%	$33,727,895.29		$239,962
10,577	6%	$50,591,842.94	$53,308	$239,962
10,577	6%	$75,239,151.04	$743,140	$239,962
10,577	6%	$89,508,645.20	$965,892	$239,962

ıigan Network for Children's Environmental Health (link below), except the Flint population of children under five, which is f
he estimated population impacted

ıted impacted population multiplied by the per child cost of treating ADHD ($648.54)

1

Michigan-Web.pdf

Special Education Costs (20% of Children with Elevated Blood Levels)****
20,811,855
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REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207] (Stafford Act), and implemented by 44 CFR §, Emergency citation (206.35)], I request that you declare an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint which was demonstrated in October, 2015.

Impact and Trauma

As a result of the cooperative monitoring efforts in place by the City, State and Environmental Protection Agency (EPA), and the painstaking work of doctors at Hurly medical center, elevated blood lead levels (EBLLs) were discovered, and the County issued a do not drink order on October 1, 2015. As of the most recent update 2,182 Flint residents have been tested for lead levels and 43 residents have exhibited elevated blood lead levels. Of those, 23 were children under the age of six, the most likely age group to be impacted long term. One child was hospitalized, treated, and released. No deaths have been associated with this emergency.

The situation becomes more complex as the Michigan Department of Health and Human Services has observed a spike in the Flint area of Legionella which also occurred in roughly the same time frame. This too will be investigated for any potential link to the water system. While unlikely to be related to the water system, this new problem adds to the negative psychological impacts on mental health that have become extensive.

Additionally, the economic and psychological impact this has had on the community is severe. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the populace. Mistrust in government is at a heightened level, and so, while water is safe for non-consumptive uses, people are understandably concerned. Special populations are especially vulnerable in this crisis as they are often unable to access available vital nutrition or water resources. Assistance with the Individuals and Households Program will be vital to recovery.

With the extent of time between the inception of Flint River water until the return to Detroit Water and Sewerage Department and re-treatment of the mains and pipes by the City, it is impossible to know the extent of those individuals who suffered the effects of EBLL. The duration of an EBLL can vary significantly depending on season, diet and other factors. The detection of substantial increases in EBLLs suggests a much higher rate over the duration of the emergency is likely.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, with the establishment of the (Volunteer Reception Center (VRC), the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) is conducting a conference call to determine how it can more fully activate (several member organizations have already activated). Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

A State of Emergency was declared on January 5, 2016 for the County of Genesee and City of Flint. Pursuant to Michigan's Public Act 390, both the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2015, respectively.

The effect of this emergency has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities. And it even includes all pets and other domestic animals living in the city.

The City of Flint has estimated the cost of replacing corroded infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization estimates of $25 per linear foot to remove and replace damaged private service lines. Both Individual Assistance – IHP, and Public Assistance – Category B, will be crucial to helping the city and her residents recover. The State has also invested over $10 million so far in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

Recognizing their responsibility to make their community as disaster-resilient as possible, be advised that all affected jurisdictions that are the subject of this request have in place a current, federally/FEMA approved, Disaster Mitigation Act of 2000-compliant Hazard Mitigation Plan. The plan was adopted January 26, 2015, and under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included in Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has also made a strong commitment to mitigate hazards and has met applicable federal standards: the Michigan Hazard Mitigation Plan was approved by FEMA on April 23, 2014 as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households.

EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – GIS Unit

On Friday, January 8, 2016 GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present needs significant updating before an accurate picture can be created.

DPW estimated that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, we have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, the older areas of the city tend to have sparse concentrations of lead, but often the records for these areas are incomplete.

In order to effectively determine where the affected area is EMHSD is working with DPW and the University of Michigan – Flint to digitize many of DPW's old analog maps to extract the pipe status. Even when this initiative is complete, it will remain unclear if the data will prove to be very accurate as the source data is considerably out of date. With the comprehensive water testing plan that the DEQ is implementing, problem areas for the city will be identified so that manual inspections of the underground pipes can be done to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services – Health (MDHHS – H)

MDHHS-H is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. The unique aspect is the potential additional impact to the department's work due to the water emergency.

The MDHHS continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

MDHHS-H has generated the potential expected impact of this emergency on future health costs. They include as much as $12,000,000 in secondary prevention – education; $1,575,000 in secondary and tertiary prevention – nutrition; Direct medical health costs are estimated at $18,280,849 with $120,875,000 in secondary and tertiary medical expenses;

Department of Talent and Economic Development (MTED)

MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the Townships of Mt. Morris, Flint, and Genesee; the Cities of Flint and Burton; and Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, MTED has assessed potential impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at 4 potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total
- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

With input from the Department of Treasury, MDTED assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses will also have to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems a reasonable estimate, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term, there will be the significant cost of a new water system. Direct health related costs, estimated by MDHHS, are in addition to this estimate.

Department of Environmental Quality (MDEQ)

On October 1, 2015 the State Chief Medical Officer confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to help fund the City's return to purchasing treated water from the DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

MDEQ estimates cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Health and Human Services – Human Services (MDHHS- HS)

MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods. MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden due to higher costs.

In some homes the plumbing is very poor; as a result the faucet filters may not fit. The cost of paying for city water that the residents can't use is astronomical. As a scenario, residents have to make a choice to buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of 4 with leaks etc. it could be about $150 or more per month.

Additional ongoing testing will be required for those with EBLs - treatment long-term, tutoring, behavior specialists, and mental health services are all long-term effects.

The state and city's poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially:
  - 2012: 31.8% - 2006: 25.4%
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 9.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2013: 47% - 2006: 35.4%
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data" shows the numbers of recipients of programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP)	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Agriculture and Rural Development (MDARD)

Part of MDARD's coordinated outreach includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.

Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). In both cases we are identify higher priorities. All of those received a letter in October with guidance; all of them will receive revised guidance as soon as it is approved. There are 97 gas stations within the city which are within those food license numbers, but we are planning additional outreach to them as part of our efforts. MDARD will be working with on potential next steps with the Flint Farmers' Market.

No animal shelters exist in the water service area that we are aware of. The primary focus is and should be on residences where they also have pets. There are two vet clinics in the City, and we were making individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

MDARD has been in close coordination with DEQ, DHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Insurance and Financial Services (DIFS)

DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer.

The losses experienced in Flint would not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the Department of Environmental Quality of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014.

The State, in addition to Stafford Act assistance from DR-4195, has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau successfully responded to the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit proper to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG) in cooperation with the Urban Studies Center at Wayne State University estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is nearly double the county's. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially of lead, which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5 year average a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

The relevant category under PA is B, Emergency Protective Measures.

In the October to December time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures are require approximately $9.55 million to keep Flint on Detroit water until Karagnondi is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate damaged lead service lines on their properties.

The City's water system was damaged by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source decomposed and underlying lead pipes and lead solders began to leach into the water. Ultimately, this lead to the significant EBL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The map attached as Figure 2, shows pipe composition in the northwest part of the city (the newest), so the percentage would be lower here than in older parts of the city. The University of Michigan – Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that emergency federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies who's resources and expertise can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell:

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date Apr 25, 2014 End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm

☒ *Other (please specify)* Contamination and Damage to Public Water System

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

On April 25, 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Executive. Based on U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children under 6 are in a high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting EBL. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated cost as much as $54,619,500 over a period of 1 year to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs which could be in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, filter cartridges, and water test kits.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

American Red Cross

Flint Water Crisis
Community Volunteer Resource Center (VRC)
Event-Based Volunteer Engagement

Overview:

Damaged infrastructure and the leaching of lead into the city's water caused damage to public and private water infrastructure and has caused or threatened to cause elevated blood lead levels especially in the population of children and pregnant women. The water situation has resulted in an immediate threat to public health and safety and disrupted vital community services. The city, county and state have all declared a state of emergency and have begun distributing required resources on a city-wide level. Stakeholders, (ex. NGOs, faith-based organizations, businesses and government agencies), acknowledge that a critical component of the Flint Water Crisis response and recovery is a sustainable community volunteer staffing solution.

Purpose:

The purpose of the Volunteer Reception Center (VRC) is to leverage the community partner agencies' expertise recruiting and managing event based volunteers to address the staffing needs of government agencies, community partners, and stakeholders.

The VRC will:

- Expand the existing workforce to meet urgent staffing needs and encourage long term planning of EBV staffed: events, work sites, activities, etc...
- Help set the strategic direction for building, sustaining and delivering the response and recovery programs to facilitate individual, family and community recovery.
- Serve as a mechanism/tool to recognize, capture and focus the good will of the local, regional and national communities and their interest in supporting the city of Flint and its citizens.
- Acknowledge, capture and focus the good will of the local, regional and national communities to support the response and recovery of the city of Flint and its citizens.

Audience:

- Individuals or groups of event-based volunteers (EVBs).
- Community partners and stakeholders, (i.e. non-profit and faith-based organizations, businesses and government agencies).

Volunteer Expectations:

- Match the need of the assignment with the skill set and ability of the volunteer.
- Orientation, education, training, safety briefing and job assignment.
- Providing an efficient and effective volunteer intake process and satisfying work assignment experience.

VRC Operations
Hours: 9 a.m. to 7p.m.
Location: American Red Cross
1401 South Grand Traverse
Flint, Michigan 48503
Dial 2-1-1

Cost Figures for Flint Water Response: Population and Community Health Administration (PHCSA)

Type	Priority	Intervention	Rationale	Cost
Education				
Secondary Prevetion				
		School nursing	To monitor, case manage, treat, promote wellness (socioemotional), school *nutrition, etc...*	$500,000
		Special Education	20 percent of children with BLLs greater than or equal to 25 @ age two receive special education for an average of 9 years.	$2,500,000
		Pre-Post school programming	To provide structured, safe supervised programming	$9,000,000
Nutrition				
Secondary Prevention				
		Expand WIC eligibility requirements	To increase availability of *healthy nutrition for impacted* children	$1,380,000
		Promote breastfeeding education and support *services*	To protect children from lead exposure, promote cognitive *development*	$85,000
Tertiary Prevention		Educate and promote lead-exposure diet	To limit absorption and promote excretion of lead in exposed children	$110,000
Medical Health				
		Immediate Treatment and treatment of lead-associated ADHD	Immediate treatment of childr	$18,280,849
		Promote caregiver capacity. Increase capacity of maternal infant suppport services	To support parents and *programs* to improve parenting skills and early Identification of developmental delays	$250,000 $325,000 $120,000
Secondary Prevention		Education for primary care providers regarding toxic stress	To indentify developmental delays early	$100,000
		Increase pediatric healthcare access to a patient centered medical home	To continuously drive patients to their primary care provider	$100,000

Tertiary Prevention	Creation of the Flint Children's Health and Development Fund	To support short and long-term health, medical care, and developmental needs of Flint children exposed to lead	$100,000,000
	Behavorial Health Services	To provide necessary mental/behavioral health services to exposed population	$7,000,000
	Identification and tracking of exposed children/cohort	To determine extent of injury and long-term neurodevelopmental, medical, socioeconomic impact. To allow for identification of exposed children and ongoing surveillance	$100,000
Assessment Subtotal			**$139,155,849**

Budget Estimates
FY16 Supplemental Request

Appropriation	**FTEs**	**Amount**
Cost for epidemiologists	2	$115,000
Cost to abate lead in homes in Flint	3.5	$1,687,500
Additional lead investigations	0	$100,000
Increase nurse case management	1	$75,000
Increase community education	2	$120,000
WIC outreach and trasportation	1	$60,000

Total FY16 fuding Request	**$10**	**$2,157,500**	
FY17 Supplemental Request			
Continuation of FY16 Supplemental	8	$850,000	
Cost for epidemiologists	2	$220,000	
Cost to abate lead homes in Flint	4	$2,261,000	
Additional lead investigations	0	$130,000	
Increase nurse case management	1	$100,000	
Increase community education	2	$180,000	
WIC outreach and transportation	1	$90,000	
Total FY17 Funding Request	**18**	**$3,831,000**	
Total FTE	**27.5**		
GRAND TOTAL			**$145,144,349**

Notes

It is reasonable to have a nurse in 5 schools in Flint. $500,000

Lifetime costs $2.5 million for a cohort of two year olds.

$1,000/9000 children

Low demand for ready to feed formula, Expansion of WIC eligibility and income to children 7-10 yrs require USDA approval. $1.38 M

Promote breasfeeding- We believe an additional lactation consultant would be helpful at GCHD

Dietician for nutrition counseling/education at Genesee County Health Department

Immediate treatment: $280,849
ADHD includes medication and counseling: $18 million annually

Expansion of home visitation programs. Parent education via community classes related to preventing toxic stress (ACEs)- Perhaps this is something that the Genesee Coalition could undertake. 5 grants at $50,000/ea to interested community partners. Parents as teachers program- 5 staff to do home visitation at $65,000/ea. One MDHHS FTE- $120,000 to establish and monitor contracts

$100,000 for provider education to Hurley Hospital

Funding for Children's Healthcare Access Program (CHAP)

Estimate provided by Dr. Mona Hanna Attisha; estimate should be validated by acutarial analysis

700,000/10 years

Identification and tracking of exposed children/cohort- We think it is reasonable to enhance capacity to support health information exchange and integration between laboratories and the MICLPS registry.

Notes

Support two epidemiologists to analyze blood lead levels based on zip codes in the City of Flint. Work conducted by the epidemiologists will be new functions not currently conducted. Positions will be supported through contracts with MPHI.

Costs reflect contractual and service costs to abate lead from homes in the City of Flint. Contractual funds will support 3.5 contractual staff - 2.5 field consultants to conduct abatement and one to assist with client application and form processing (total $187,500). Funds for the service include the cost to abate 100 homes @ $15,000 each ($1.5 million) which will include internal housing plumbing components where necessary. Current efforts financed in the previous FY16 supplemental did not support lead abatement activities.

Additional contractual efforts to support lead investigations in 100 additional homes in the City of Flint. Service will be provided by ETC Consulting.

Funds support the increased testing and follow up necessary with the new homes being investigated. Nurse case managers provide follow up with families, provide nutrition counseling, and coordination with Environmental Blood Level (EBL) *investigations.*

Contractual FTEs will work with the Genesee County Health Department (GCHD) to build educational efforts in that community to develop a more detailed education plan.

One contractual peer educator FTE at Genessee County Health Department to help increase WIC enrollment and retention to assist with lead testing, nutrition education, and overall health of pregnant moms and infants.

Continue the funds from the original FY16 supplemental for existing nurse case management of EBL home investigations.

Continue the funds from the FY16 request above and support two epidemiologists to analyze blood lead levels and will address broader areas beyond the City of Flint. Work conducted by the epidemiologists will be new functions not currently conducted.

Continue the funds from the FY16 request above and finance contractual and service costs to abate lead from homes in the City of Flint. Contractual funds will support 4 contractual staff - 3 field consultants to conduct abatement and one to assist with client application and form processing (total $311,000). Funds for the service include the cost to abate an increase to 130 homes @ $15,000 each ($1.95 million) which will include internal housing plumbing components where necessary. Current efforts financed in the previous FY16 supplemental did not support lead abatement activities.

Funds support additional lead environmental investigations. This is lead investigations in homes of children with high blood lead levels to determine all of the sources of lead exposure and plan for mitigation of lead. This does not include funding for lead abatement. This is done via contract with ETC Consulting. (No FTEs)

Continue the funds from the FY16 request above to support the increased testing and follow up necessary with the new homes being investigated. Nurse case managers provide follow up with families, nutrition counseling, and coordination with Environmental Blood Level (EBL) investigations.

Continue the contractual health educators at GCHD to work collaboratively with community agencies on awareness of lead hazards, increase lead testing, and nutrition education.

One contractual peer educator FTE at GCHD to help increase WIC enrollment and retention to assist with lead testing, nutrition education, and improve the overall health of pregnant moms and infants. Bus tokens (10,000 at $1 = $10,000), bus signs and other promotion materials for WIC at $5,000.

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell:

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date _____ End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm

☒ Other (please specify) Public Health

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

In early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer. Based on the 2010 U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children in under 6 are high-risk stage of growth for lead exposure. Approximately 2,182 residents have been tested for lead blood levels as a result of this incident with 43 exhibiting EBL. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated $53,000,000 over a period of 1 year to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, filter cartridges, and water test kits.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).
N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** *for additional information in support of this request**.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:
Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.
State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

January ??, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C. 20500

Through: Ms. Janet Odeshoo, Acting Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Michigan as a result of water system problems and their associated public health impacts within the City of Flint (Genesee County), since May 2014.

The current public health emergency involves serious problems with the water quality supplied through the city's system... (Describe physical human impacts – injuries/deaths)

(Describe voluntary agency assistance provided to Flint to assist with this issue: ARC and its level of operation, Salvation Army, Southern Baptists, MIVOAD, other agencies, municipal programs/shelters, etc. Include numbers and dates – cases, persons, amounts, etc.).

(Indicate the States of Emergency declared, by whom, and for which areas.)

(Describe physical damages which have occurred, utility and service disruptions, impacts upon people, effects upon critical facilities, other emergency conditions, health and safety hazards, status of repairs/improvements and their estimated completion dates, if known.)

(Provide information on PDA findings, how/where conducted, accessibility concerns.)

General background/context:
Throughout the 20th Century, several overarching trends affected cities throughout the United States, in ways which would eventually prove to be very challenging to historical central cities—especially Flint. Through the 1920s, long-established development patterns had involved the expansion of central cities through the method of "annexation," in which outlying lands officially became part of the city and thus became supplied with urban infrastructure which allowed for more intensive development. However, as various technological advances reduced the costs of the infrastructure required to support moderate levels of development in outlying areas, many of these urban fringe areas became developed without a full need for the central city's urban infrastructure. Traditional urban transportation requirements had also been transformed by the mass-production of affordable automobiles, allowing great increases in the distances over which people could commute to work each day. These general national trends tended to then be supported and institutionalized with various laws and policies, solidifying the independent strength of "suburban" developments around each historical central city. For example, Michigan's Charter Township Act of 1947 greatly enhanced the capacity of townships to resist annexation efforts, so long as they provided a suitable level of infrastructure and services on

their own. Other post-war policies included the Federal Housing Administration's support of suburban residential development, the construction of the interstate highway system which provided infrastructure to allow rapid transportation between the central and fringe sections of most major urban areas, and subsequent shifts of retail outlets (e.g. shopping malls) and employment centers (e.g. office and industrial parks) toward outlying areas where taxes were less expensive, land was more plentiful, and metro-area processes had led to suburban areas with concentrations of wealthier consumer and highly educated, specialized labor forces existed which made these suburban locations highly logical choices for new developments of these types.

Although the proliferation of suburbs had been consistent with certain kinds of democratic ideals, allowing more freedom of choice among area schools, municipalities with their own separate electoral processes and budgets and revenue systems, and various lifestyle choices associated with certain locations, there were also serious problems which these processes were creating. One was the development of segregation patterns, which had to be offset over the course of several decades with government action such as Shelley versus Kraemer (1948) and the Fair Housing Act of 1968. Urban planners worked with new principles and requirements involving equity, such as the spatial distribution of subsidized housing according to "fair share" principles, and also involving environmental justice, recognizing that some of the most heavily polluted and disaster-prone areas were tending to be those that were becoming disproportionately occupied by poorer residents and persons identified with ethnic minority groups. Many school districts shared some of the same boundaries which had divided central cities from suburbs, resulting in another set of institutional impacts which required corrective policies to adjust for, such as busing and later Schools of Choice programs.

Although it took only a couple of decades for the negative effects of these processes upon most central cities to become clear, it often took additional decades to start correcting some of their effects. Some of these have continued to this very day because of their complexity, and thus the political, economic, and organizational difficulties of addressing them effectively. Michigan has seen central city budgets shrink greatly along with declines in those municipalities' populations, land values, intensity of development, and tax revenues. A "vicious circle" has sometimes developed, in which declines of one type have gone uncorrected for enough time that related declines are caused or worsened, leading to the dilemma of how to stop such a negative cycle from continuing.

In the case of the City of Flint, it had grown rapidly during the early 20th Century and then saw its population peak in the 1960 census, at a population of nearly 200,000. From this peak, the population had dropped only slightly by 1970, but each decade thereafter saw the loss of more than 10% of the city's population. Today's population is estimated at only about 100,000—only about half of what it had been 50 years before. But despite the loss of important industrial plants and their associated jobs, most of this change in the central city was the result of a dispersion of population and resources across the broader metropolitan area, rather than from an overall metropolitan decline. Genesee County as a whole continued to have its population increase through 1980. As Flint itself lost about 37,000 persons between 1960 and 1980, Genesee County's population increased by about 76,000. Only then did the area as a whole start declining, sporadically and inconsistently, with the county sometimes registering slight

population growth, alternating with periods of larger decline. These simultaneous patterns are shown in the following data table:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,143	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	444,341	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.2%	52.6%	43.5%	35.4%	32.7%	28.6%	24.1%

As Flint was completing its mid-20th Century boom, its population grew substantially, except during the depression decade of the 1930s. During this time, the county as a whole was also expanding, at a somewhat faster rate than the city, so the proportion of the county's population found in the central city did decline during that period. However the city's shrinking proportion within its metropolitan area did not pose much of a problem as long as both the city and the overall area were growing. By contrast, the extent of central city population loss seen after 1970 was very serious, straining the city's budget to the point where an emergency manager was assigned by the governor (in 2011), providing greater authority to sort through the many challenges and shortfalls which had accumulated. Shrinking city revenues, budgets, and services seemed over time to lead to conditions and situations which directly affected the health of its residents—alarming rises in homicide rates, deterioration of the city's housing stock, an accumulation of brownfield sites, episodes of widespread arson, and the current public health emergency involving the city's water supply.

Central cities frequently provide important services and functions for their entire metropolitan areas, but as a result of 20th Century trends, such cities often bore increasing financial burdens while doing so, as many sources of tax revenue dropped off as residents moved to suburbs and increasingly shopped and worked in those suburbs as well. Even when businesses and people remained in the central city, tax revenues often shrank when overall property values declined within an increasingly suburban and exurban metropolitan environment. According to Flint's 2013 Master Plan (page 18), the daytime weekday population of the city increases to nearly 134,000 as a result of worker and student inflows. Thus, the city regularly supports traffic and services for more than 30,000 persons beyond those who are full-time residents of the city. During major events, this number is much higher. Flint falls into the category of city that has been called a "legacy city" (See *Rebuilding America's Legacy Cities*, edited by Alan Mallach in 2012 and published by American Assembly, Columbia University), caught in the problems of transitioning from its historic mid-20th Century manufacturing base into new roles for 21st Century health and success. It has been caught in a long-term trap of an aging infrastructure combined with dwindling municipal revenues. And although there are opportunities available by which the city might successfully make that transition, its current problems must first be overcome. (Mallach xi, 180-183) In order to offset mismatches between a central legacy city and the disproportionate wealth of the surrounding areas it serves, various planners and urban policy experts (e.g. Norman Krumholz, Myron Oldfield, John Rusk) have found that various forms of revenue sharing may be justified, greater integrating the central districts with the overall metropolitan area whose health is mutually intertwined, or finding ways to fund the health of essential central sections and infrastructure within existing political and organizational structures, networks, and capacities. Cities are legally "creatures of the state" and thus subject to the effects of state policy. Where past policies had resulted in an accumulation of fiscal

problems for central cities, new policies have the potential to help solve these same problems in the long-term. But first, the immediate threats to health for nearly 100,000 permanent city residents, plus tens of thousands of non-residents who make daily use of the city's resources, services, and amenities, must be corrected. The importance of the problems of aging city infrastructure has become clear, but the first step is to protect the health of the area's residents, as longer-term solutions continue to be developed with a keener awareness of the relationship between the health of each central city, and the quality of life for each broader metropolitan area and the state as a whole. A successful response to the current emergency will also help to inform the handling of similar challenges that might occur in other legacy cities, with this one crisis potentially providing the urgency and will to address related problems in other locations, lessening the potential for their infrastructure to produce a similar emergency-level situation.

The city's poverty rate is 2.67 times higher than the national poverty rate, and the city's median household income is less than half of that for the nation as a whole. Average unemployment rates within the city were nearly three times the national rates. A disproportionate number of the city's residents have disabilities (functional needs). Although the percentage of elderly residents is slightly below average, the opposite is true for the percentage of young children under age 5, and it is this age category that is most vulnerable to the effects of lead exposure. The percentage of children under 5 is higher in Flint than the respective percentages for Genesee County, the State of Michigan, and the United States as a whole. (Refer to the following table.)

Demographic Profile of the Affected Municipality

	Persons Below Poverty Level	Median Household Income	Children under 5 years	Percent Elderly (65+ years)	Percent with Disabilities	Percent Pre-Disaster Unemployment (5-year estimate)
National Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State Average	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint (Genesee Co.)	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Data Sources
U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

NOTE: The general direction I had started with my draft text was to historically frame this situation as the result of various trends that affected large central cities during the past 60-100 years, with the choking of central city resources eventually causing mismatches that would eventually have to be addressed. Thus, unlike so many previous administrations, Michigan recently actually undertook some significant actions to directly address some of these issues of budget, debt, bankruptcy, school district losses, etc. in historic cities like Detroit, Flint, Benton Harbor, Pontiac, etc. where huge population losses occurred primarily within the central city, while overall urban area growth continued and resulted in resource splits. Naturally, these references, deriving from a theoretical urban planning perspective, will need to be reviewed for their political feasibility.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"Equally troubling, the socio-economic profile of the affected counties and local communities found at Attachment 1 shows these areas are also some of the most economically-distressed in the region and therefore least able to recover from this flood disaster on their own. For example, in Wayne County, where over 23-percent of residents live below the federal poverty level, in the hard-hit cities of Dearborn, Detroit, Highland Park, and Inkster, the poverty levels all exceed 25-percent. In the City of Highland Park, the poverty level is closer to 50-percent. Three significantly affected Wayne County communities (i.e., the cities of Detroit, Highland Park, and Inkster) have median household incomes (at $26,955, $20,298, and $28,095, respectively) that are close to one-half of the state average of $48,471. In Macomb County, the City of Warren's poverty level exceeds 17-percent and its median household income, at $44,982, also lags nearly 8-percent behind the state average. The cities of Dearborn and Dearborn Heights in Wayne County both have poverty levels exceeding the state average, and median household incomes that are less than the state average. The cities of Madison Heights and Oak Park in Oakland County also experience those same conditions. Unemployment in many of the affected communities is also high. For example, all three counties have unemployment rates (at 9.6-percent, 8.4-percent, and 11.1-percent, respectively) that exceed the state average of 7.7-percent. (Unfortunately, Michigan's unemployment rate remains one of the highest in the nation, and well-above the national average of 6.2-percent.) The City of Highland Park has an unemployment rate that exceeds 23-percent, while the City of Detroit's rate exceeds 17-percent. As the table at Attachment 1 shows, several other communities particularly hard-hit by the flooding also have unemployment rates that exceed double-digits."

The following information is furnished on the nature and amount of State and local government resources that have been or will be used to alleviate the conditions of this emergency:

(Describe response actions by state and local governments. Describe any state/local Individual Assistance programs.)

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on August 13, 2014, in accordance with

Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Disaster for the counties of Macomb, Oakland, and Wayne, including the local political subdivisions located therein, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned counties and local political subdivisions in responding to and recovering from this disaster. I must note that numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals; assessing the damage and impacts to affected state facilities, infrastructure, and services under their stewardship; and taking appropriate actions to keep those affected facilities, infrastructure, and services operational."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.]
"I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that supplemental federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected counties specified in this request, and activation of the Hazard Mitigation Grant Program for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively."

(Provide the disaster history of the State over the past 12 months... List areas that have sustained damage from this event and other disasters in the previous 12 months, and include any other pertinent factors that would have a bearing upon the State's ability to respond, such as economy of the area, terrain, inaccessibility, or capacity of voluntary organizations active in disaster.)

(If Individual Assistance is being requested, provide detailed information on the impacted population, including percentage of insurance, percentage below poverty level, median household income, percentage of elderly, percentage of disabled, pre-disaster unemployment rates, and any other special populations [children under 5]. Include a comparison of the percentage of the state and local government averages and national averages. Indicate source of data cited.) NOTE: This data is provided in Attachment 1.

(If Public Assistance is being requested, provide a brief analysis of infrastructure damage by category, including the cost estimates for each category and the percentage of the total eligible Public Assistance cost estimate. Include a discussion of significant impacts to specific areas. If any local communities have sustained significant damage and have incurred extremely high per capita impacts, provide that information, especially if the localized damage is in the tens or even hundreds of dollars per capita. Discuss the level of insurance coverage.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions." Maps, weather and flood charts, and damage photographs related to this disaster can be found at Attachment 3, "Supporting Maps, Charts, and Photographs.""

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I certify that for this major disaster, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf."

Sincerely,

Rick Snyder
Governor

Attachments and Enclosures:

Attachment 1: Demographic Profile of the Affected Counties and Selected Local Municipalities
Attachment 2: Significant State and Local Response and Recovery Actions
Attachment 3: Supporting Maps, Charts, and Photographs

Office of Management and Budget Form No. 1660-0009
Enclosure A: Estimated Requirements for Individual Assistance under the Stafford Act
Enclosure B: Estimated Requirements for Public Assistance under the Stafford Act
Enclosure C: Estimated Requirements for Other Federal Agency Programs
Enclosure D: (Not Applicable to this Request)

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell:

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date _____ End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm

☒ Other (please specify) Public Health

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

In early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer. Based on the 2010 U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children in under 6 are high-risk stage of growth for lead exposure. Approximately 2,182 residents have been tested for lead blood levels as a result of this incident with 43 exhibiting EBL. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated $53,000,000 to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs in the range of $41,000,000.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

Cost Figures for Flint Water Response: Population and Community Health Administration (PHCSA)

Type	Priority	Intervention	Rationale	Cost
Education				
Secondary Prevetion				
		School nursing	To monitor, case manage, treat, promote wellness (socioemotional), school nutrition, etc...	$500,000
		Special Education	20 percent of children with BLLs greater than or equal to 25 @ age two receive special education for an average of 9 years.	$2,500,000
		Pre-Post school programming	To provide structured, safe supervised programming	$9,000,000
Nutrition				
Secondary Prevention				
		Expand WIC eligibility requirements	To increase availability of healthy nutrition for impacted children	$1,380,000
		Promote breastfeeding education and support *services*	To protect children from lead exposure, promote cognitive development	$85,000
Tertiary Prevention		Educate and promote lead-exposure diet	To limit absorption and promote excretion of lead in exposed children	$110,000
Medical Health				
		Immediate Treatment and treatment of lead-associated ADHD	Immediate treatment of childr	$18,280,849
Secondary Prevention		Promote caregiver capacity. Increase capacity of maternal infant suppport services	To support parents and programs to improve parenting skills and early identification of developmental delays	$250,000 $325,000 $120,000
		Education for primary care providers regarding toxic stress	To indentify developmental delays early	$100,000
		Increase pediatric healthcare access to a patient centered medical home	To continuously drive patients to their primary care provider	$100,000

Tertiary Prevention	Creation of the Flint Children's Health and Development Fund	To support short and long-term health, medical care, and developmental needs of Flint children exposed to lead	$100,000,000
	Behavorial Health Services	To provide necessary mental/behavioral health services to exposed population	$7,000,000
		To determine extent of injury and long-term neurodevelopmental, medical, socioeconomic impact. To allow for identification of exposed children and ongoing surveillance	
Assessment	Identification and tracking of exposed children/cohort		$100,000
Subtotal			**$139,155,849**

Budget Estimates
FY16 Supplemental Request

Appropriation	**FTEs**	**Amount**
Cost for epidemiologists	2	$115,000
Cost to abate lead in homes in Flint	3.5	$1,687,500
Additional lead investigations	0	$100,000
Increase nurse case management	1	$75,000
Increase community education	2	$120,000
WIC outreach and trasportation	1	$60,000

Total FY16 fuding Request	**$10**	**$2,157,500**	
FY17 Supplemental Request			
Continuation of FY16 Supplemental	8	$850,000	
Cost for epidemiologists	2	$220,000	
Cost to abate lead homes in Flint	4	$2,261,000	
Additional lead investigations	0	$130,000	
Increase nurse case management	1	$100,000	
Increase community education	2	$180,000	
WIC outreach and transportation	1	$90,000	
Total FY17 Funding Request	**18**	**$3,831,000**	
Total FTE	**27.5**		
GRAND TOTAL			**$145,144,349**

Notes

It is reasonable to have a nurse in 5 schools in Flint. $500,000

Lifetime costs $2.5 million for a cohort of two year olds.

$1,000/9000 children

Low demand for ready to feed formula, Expansion of WIC eligibility and income to children 7-10 yrs require USDA approval. $1.38 M

Promote breasfeeding- We believe an additional lactation consultant would be helpful at GCHD

Dietician for nutrition counseling/education at Genesee County Health Department

Immediate treatment: $280,849
ADHD includes medication and counseling: $18 million annually

Expansion of home visitation programs. Parent education via community classes related to preventing toxic stress (ACEs)- Perhaps this is something that the Genesee Coalition could undertake. 5 grants at $50,000/ea to interested community partners. Parents as teachers program- 5 staff to do home visitation at $65,000/ea. One MDHHS FTE- $120,000 to establish and monitor contracts

$100,000 for provider education to Hurley Hospital

Funding for Children's Healthcare Access Program (CHAP)

Estimate provided by Dr. Mona Hanna Attisha; estimate should be validated by acutarial analysis

700,000/10 years

Identification and tracking of exposed children/cohort- We think it is reasonable to enhance capacity to support health information exchange and integration between laboratories and the MICLPS registry.

Notes

Support two epidemiologists to analyze blood lead levels based on zip codes in the City of Flint. Work conducted by the epidemiologists will be new functions not currently conducted. Positions will be supported through contracts with MPHI.

Costs reflect contractual and service costs to abate lead from homes in the City of Flint. Contractual funds will support 3.5 contractual staff - 2.5 field consultants to conduct abatement and one to assist with client application and form processing (total $187,500). Funds for the service include the cost to abate 100 homes @ $15,000 each ($1.5 million) which will include internal housing plumbing components where necessary. Current efforts financed in the previous FY16 supplemental did not support lead abatement activities.

Additional contractual efforts to support lead investigations in 100 additional homes in the City of Flint. Service will be provided by ETC Consulting.

Funds support the increased testing and follow up necessary with the new homes being investigated. Nurse case managers provide follow up with families, provide nutrition counseling, and coordination with Environmental Blood Level (EBL) investigations.

Contractual FTEs will work with the Genesee County Health Department (GCHD) to build educational efforts in that community to develop a more detailed education plan.

One contractual peer educator FTE at Genessee County Health Department to help increase WIC enrollment and retention to assist with lead testing, nutrition education, and overall health of pregnant moms and infants.

Continue the funds from the original FY16 supplemental for existing nurse case management of EBL home investigations.

Continue the funds from the FY16 request above and support two epidemiologists to analyze blood lead levels and will address broader areas beyond the City of Flint. Work conducted by the epidemiologists will be new functions not currently conducted.

Continue the funds from the FY16 request above and finance contractual and service costs to abate lead from homes in the City of Flint. Contractual funds will support 4 contractual staff - 3 field consultants to conduct abatement and one to assist with client application and form processing (total $311,000). Funds for the service include the cost to abate an increase to 130 homes @ $15,000 each ($1.95 million) which will include internal housing plumbing components where necessary. Current efforts financed in the previous FY16 supplemental did not support lead abatement activities.

Funds support additional lead environmental investigations. This is lead investigations in homes of children with high blood lead levels to determine all of the sources of lead exposure and plan for mitigation of lead. This does not include funding for lead abatement. This is done via contract with ETC Consulting. (No FTEs)

Continue the funds from the FY16 request above to support the increased testing and follow up necessary with the new homes being investigated. Nurse case managers provide follow up with families, nutrition counseling, and coordination with Environmental Blood Level (EBL) investigations.

Continue the contractual health educators at GCHD to work collaboratively with community agencies on awareness of lead hazards, increase lead testing, and nutrition education.

One contractual peer educator FTE at GCHD to help increase WIC enrollment and retention to assist with lead testing, nutrition education, and improve the overall health of pregnant moms and infants. Bus tokens (10,000 at $1 = $10,000), bus signs and other promotion materials for WIC at $5,000.

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 12, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation - Elevated Threat/Alert Mode.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested for Lead 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/12/2016
  - 22 families contacted
  - 14 EBL investigations completed.
  - 14 Water sampling completed.
  - 7 EBL Reports Received.
    - 6 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 5 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
      - 0 homes with lead water levels >5 ppb
      - 0 homes with lead water levels >15 ppb
  - 6 investigations scheduled.
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- CM report through 1/8/2016:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - **# offered CM: 134 (0-5 year olds) and 12 (6-17 year olds)**
  - # CM started: 25 (0-5 year olds) **and 3 (6-17 year olds)**
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) **and 3 (6-17 year olds)**
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: **30 (0-5 year olds)** and 1 (6-17 year olds)
- Weekly Flint Case Management call:
  - Discussed challenges regarding EBL investigations. GCHD reports that families are resistant to allowing EBL investigation for many reasons. Discussed providing participation incentives, potential of using texting to communicate with families, on-site EBL person, etc.

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **Blood testing data through 12/8/2016 pulled from the warehouse and summarized for inclusion in bi-weekly blood count report.**
- Dr. Hanna-Attisha provided the first set of requested data as approved by MDHHS IRB.
- The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.
- Additional Zip code-specific blood lead data on children in Flint was provided in response to a request from the MDHHS Director.
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

As of January 12, 2016				
	Remaining From Prior Month	Received	Distributed	Remaining
Water Filters	3,585	7000	1549	9,036
Water Pitchers	485	0	181	304
Replacement Cartridges - Brita	7,525	10400	1815	16,110
Replacement Cartridges - PUR	5,632	0	293	5,339
Replacement Cartridges - Zero	370	0	192	178

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Tuesday (8:00 am) briefing with DLARA and MDEQ.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model.
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.

WIC No updates.

Healthcare/Providers No updates

DEQ Information - Linda Dykema as Liaison

- **DLARA plumbers are replacing fixtures at Freeman Elementary School that were previously tested and found to have > 15 ppb of lead in the water. MDEQ will conduct a "deep flush" of the school plumbing since many lines have been unused for several months. MDEQ will then retest of the water from the new fixtures to confirm whether or not these efforts have been effective in reducing or eliminating exposure to lead in the water.**

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 15, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Regional Administrator Andrew Velasquez
FEMA Region V
City, State, Zip Code

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § [Major Disaster citation (206.36), Emergency citation (206.35)], I request that you declare an emergency for the ***State of Michigan*** as a result of ***the elevated blood lead levels of citizens, especially children, within the City of Flint discovered in October, 2015.***

[The following information is required for ALL requests. Provide additional information that is not contained in the form. If requested information is included in the form, it is not necessary to repeat in the cover letter.]

As of the most recent update of January 8, 2016, 2,182 Flint residents have been tested for lead levels and 43 residents have exhibited elevated blood lead levels. Of those, 23 were children under the age of six, the most likely age cohort to be impacted long term. One child was hospitalized, treated, and released. No deaths have been associated with this emergency.

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank for people needing assistance. The American Red Cross has established a Disaster Recovery Operation and also are providing warehousing management, volunteers for canvassing and water distribution, and are also working to establish a Volunteer Reception Center. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

A State of Emergency was declared on January 5, 2016 for the County of Genesee and City of Flint. Pursuant to Michigan's Public Act 390, both the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2015, respectively.

The effect of this emergency has been the loss of potable water for the entire City of Flint, including its residents, businesses and worker population, as well as pets and other domestic animals living in the city.

The City of Flint has estimated the cost of replacing corroded infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate by the Genesee County Department of Equalization estimates of $25 per linear foot to remove and replace damaged private service lines as well as

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this disaster:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households.

EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

The EMHSD maintains

EMHSD – GIS Unit

On Friday, January 8, 2016 GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present needs significant updating before an accurate picture can be created.

DPW estimated that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, we have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, the older areas of the city tend to have sparse concentrations of lead, but often the records for these areas are incomplete.

In order to effectively determine where the affected area is EMHSD is working with DPW and the University of Michigan – Flint to digitize many of DPW's old analog maps to extract the pipe status. However, we will likely not have a clear picture until the end of the week. Even once this initiative is complete, it will remain unclear if the data will prove to be very accurate as the source data is considerably out of date. With comprehensive water testing plan that the DEQ is

implementing, problem areas for the city will be identified so that manual inspections of the underground pipes can be done to confirm the presence of lead.

Department of Agriculture and Rural Development (MDARD)

Part of MDARD's coordinated outreach includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.

Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and USDA's Rural Development's programs, we have been working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system.

Department of Health and Human Services – Human Services (MDHHS-HS)

MDHHS has been working steadily to provide assistance to the local community through its many different programs.

Healthy foods. MSU-Extension has been giving out recipes but residents must be able to purchase it. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden but necessary.

In some homes the plumbing is very poor; as a result the faucet filter may not fit. The cost of paying for city water that the residents can't use is astronomical. As a scenario, residents have to make a choice to buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for family of 2 is $98 per month. For a family of 4 with leaks etc. you are looking at about $150 or more per month.

Additional ongoing testing will be required for those with the blood levels-treatment long-term, tutoring, behavior specialists, and mental health services are all long-term effects.

The state and city's poverty rates are given in the table "**Michigan – Genesee – Flint Demographic Summary**" shown below.

- Of those, there is a notable rise in children age 0-17 living in poverty:
  - 2012: 31.8%
  - 2006: 25.4%

- The median income for Flint residents between 2009 and 2013 was is markedly lower than the state's median income, also shown in the table **"Michigan – Genesee – Flint Demographic Summary"** shown below.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with No. 1 the best in the state). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5 % of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2013: 47%
  - 2006: 35.4%
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data" shows the numbers of recipients of programs offered by MDHHS. The table following shows the distribution among Flint's zip codes.

MDHHS Program Data

City of Flint		
Program	**Cases**	**Recipients**
Food Assistance Program (FAP)	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

MDHHS Program Recipients by Zip Code

ZIP Code	Adults	Children	Total
48501*	5	2	7
48502	187	67	254
48503	5,221	3,351	8,572
48504	5,936	4,817	10,753
48505	6,011	4,268	10,279
48506	5,094	3,546	8,640
48507	5,078	4,020	9,098
48509	793	548	1,341
48519	825	523	1,348
48529	2,018	1,306	3,324
48531*	3	0	3
48532	2,479	1,873	4,352
48554*	2	1	3
Total	33,652	24,322	57,974
Source: Bridges data warehouse as of 1/12/2016			

* Zip Codes with asterisk defined by USPS as "This is a UNIQUE ZIP Code™ used for a specific company or organization."

Department of Health and Human Services – Health (MDHHS – H)

MDHHS-H is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. The unique aspect is the potential additional impact to the department's work due to the water emergency.

The MDHHS continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels. Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels. The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

MDHHS-H has generated the potential expected impact of this emergency on future health costs. They include as much as $12,000,000 in secondary prevention – education; $1,575,000 in secondary and tertiary prevention – nutrition; Direct medical health costs are estimated at $18,280,849 with $120,875,000 in secondary and tertiary medical expenses.

Department of Insurance and Financial Services (DIFS)

DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer.

The situation that occurred in the City of Flint would not be a covered loss. Therefore, it is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the

Department of Environmental Quality of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Talent and Economic Development (MDTED)

MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the City of Flint and Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, MTED has assessed potential impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at 4 potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total
- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

This analysis was based on a study by the University of Michigan Risk Science Center and the Michigan Network for Children's Environmental Health. The study, linked below, cited studies that showed the direct correlation in loss of IQ with elevated lead levels. This loss of IQ was directly correlated to loss of lifetime income potential, as well as costs for treatment, costs for special education, and ADHD treatment for cohorts under 5 years old.

The excel chart uses the findings from this study and applies it to Flint's population of 0-5 year olds. We're not sure what number to use in the field labeled "estimated percent of population impacted", but it's saved at 6% of 0-5 year olds impacted. Depending on the lead levels, the lifetime earnings loss ranges from $33 Million to over $89 Million if 6% of 0-5 year olds were impacted. The % of population can be changed for each blood lead level to get the impact.

http://www.riskscience.umich.edu/wp-content/uploads/2013/12/Economic-Impact-of-Lead-in-Michigan-Web.pdf

Again, this analysis is based on the study linked above. If the findings and methodology of the study aren't acceptable, then the attached Excel calculations shouldn't be used. Also, we have not reached out to UM to see if any of their assumptions have changed since this was done in 2014 or if our correlations and

methodology are acceptable. With additional time, we would confirm our method with the UM team.

With input from the Department of Treasury, we assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water like restaurants will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses are also having to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems reasonable, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term there would be the cost of a new water system, which would have a significant cost. Direct health related costs would be on top of this estimate.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, trucks and drivers to assist with delivering supplies to PODs and assisting with neighborhood visits.

DTMB also facilitated the establishment of the JIC at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:
Truckloads of water - 32;
Brita faucet filters – 27,000
Brita Replacement filters – 1,600
PUR faucet filters – 12,500
PUR 3-pack replacement filters – 40,000

Disaster History

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014.

The State, in addition to Stafford Act assistance from DR-4195, has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act. While the responses to Portland and Grand Traverse/Leelanau successfully responded to the impacts, the Long Term

Recovery in Southeast Michigan continues to struggle. Several voluntary organizations work in Detroit proper to continue rebuilds and even muck-outs from the flooding of 2014. Black mold continues to be a problem in many households and unmet needs such as furnaces continue to be a problem. A Long Term Recovery committee has met regularly, but resources continue to be difficult to obtain, at best.

[The following information is required for requests for Individual Assistance.]

Provide detailed information on the impacted population, including percentage of insurance, percentage below poverty level, median household income, percentage of elderly, percentage of disabled, pre-disaster unemployment rates, and any other special populations. Include a comparison of the percentage of the State, local, or Indian tribal government averages and national averages.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

[The following information is required for requests for Public Assistance.]

Provide a brief analysis of infrastructure damage by category, including the cost estimates for each category and the percentage of the total eligible Public Assistance cost estimate. Include in your discussion significant impacts to specific areas. If any local communities have sustained significant damage and have incurred extremely high per capita impacts, provide that information, especially if the localized damage is in the tens or even hundreds of dollars per capita.

Discuss level of insurance coverage.

Insert concluding statement.

In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the

City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that emergency federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county specified in this request. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively.

Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions." Maps related to this emergency can be found at Attachment 3, "Supporting Maps, Charts, and Photographs."

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13
A: Individual Assistance
B: Public Assistance

C: Requirements for Other Federal Agency Programs

ENCLOSURE A TO MAJOR DISASTER REQUEST

Estimated Requirements for Individual Assistance
under the Stafford Act

Enclose Individual Assistance Joint Preliminary Damage Assessment Cost Estimate Worksheets

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ENCLOSURE B TO MAJOR DISASTER REQUEST

Estimated Stafford Act Requirements for Public Assistance

Enclose Public Assistance Preliminary Damage Assessment Cost Estimate Worksheet

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ENCLOSURE C TO MAJOR DISASTER REQUEST

Estimated Assistance from Other Federal Agency Programs

County/ Tribal Area	SBA Home Loans	SBA Business Loans	FSA Loans	NRCS	FHWA	USACE	BIA	OTHER
Totals								

Note: Provide numbers and amounts, as appropriate.

Sba schools, longer in summer if they cant get water, businesses, restaurants, food prep, potable water costs

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell:

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date _____ End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm

☒ Other (please specify) Public Health

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

In early May 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer. Based on the 2010 U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children in under 6 are high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting EBL. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated $53,000,000 over a period of 1 year to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, filter cartridges, and water test kits.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

N/A

*Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request**.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:
Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.
State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

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DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. *Incident Period:* *Beginning Date* _____ *End Date* _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ *Tidal Wave* ☐ *Tornado* ☐ Tropical Depression ☐ *Tropical Storm* ☐ *Tsunami* ☐ *Volcanic Eruption* ☐ *Winter Storm*

☒ Other (please specify) Public Health

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

In early May 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Executive. Based on U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children under 6 are in a high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting EBL. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated $54,619,500 over a period of 1 year to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, filter cartridges, and water test kits.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).
N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:
Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.
State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

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DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell:

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date Apr 25, 2014 End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ Tidal Wave ☐ Tornado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm

☒ Other (please specify) Contamination and Damage to Public Water System

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

On April 25, 2014, the City of Flint switched from the Detroit Water System (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Executive. Based on U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children under age 6 are in a high-risk stage of growth for lead exposure. Approximately 2,642 residents have been tested for lead blood levels as a result of this incident with 50 exhibiting elevated blood lead levels. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated cost as much as $54,619,500 over a period of 1 year to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs which could be in the range of $41,000,000. The need is estimated for 90 days for water distribution ($10,335,808) and 1 year for the balance for filters, filter cartridges, and water test kits.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. *The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.*

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

American Red Cross

Flint Water Crisis
Community Volunteer Resource Center (VRC)
Event-Based Volunteer Engagement

Overview:

Damaged infrastructure and the leaching of lead into the city's water caused damage to public and private water infrastructure and has caused or threatened to cause elevated blood lead levels especially in the population of children and pregnant women. The water situation has resulted in an immediate threat to public health and safety and disrupted vital community services. The city, county and state have all declared a state of emergency and have begun distributing required resources on a city-wide level. Stakeholders, (ex. NGOs, faith-based organizations, businesses and government agencies), acknowledge that a critical component of the Flint Water Crisis response and recovery is a sustainable community volunteer staffing solution.

Purpose:

The purpose of the Volunteer Reception Center (VRC) is to leverage the community partner agencies' expertise recruiting and managing event based volunteers to address the staffing needs of government agencies, community partners, and stakeholders.

The VRC will:

- Expand the existing workforce to meet urgent staffing needs and encourage long term planning of EBV staffed: events, work sites, activities, etc...
- Help set the strategic direction for building, sustaining and delivering the response and recovery programs to facilitate individual, family and community recovery.
- Serve as a mechanism/tool to recognize, capture and focus the good will of the local, regional and national communities and their interest in supporting the city of Flint and its citizens.
- Acknowledge, capture and focus the good will of the local, regional and national communities to support the response and recovery of the city of Flint and its citizens.

Audience:

- Individuals or groups of event-based volunteers (EVBs).
- Community partners and stakeholders, (i.e. non-profit and faith-based organizations, businesses and government agencies).

Volunteer Expectations:

- Match the need of the assignment with the skill set and ability of the volunteer.
- Orientation, education, training, safety briefing and job assignment.
- Providing an efficient and effective volunteer intake process and satisfying work assignment experience.

VRC Operations
Hours: 9 a.m. to 7p.m.
Location: American Red Cross
1401 South Grand Traverse
Flint, Michigan 48503
Dial 2-1-1

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January ??, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C. 20500

Through: Ms. Janet Odeshoo, Acting Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Michigan as a result of water system problems and their associated public health impacts within the City of Flint (Genesee County), since April 2014.

The current public health emergency involves serious problems with the water quality supplied through the city's system... (Describe physical human impacts – injuries/deaths)

(Describe voluntary agency assistance provided to Flint to assist with this issue: ARC and its level of operation, Salvation Army, Southern Baptists, MIVOAD, other agencies, municipal programs/shelters, etc. Include numbers and dates – cases, persons, amounts, etc.).

(Indicate the States of Emergency declared, by whom, and for which areas.)

(Describe physical damages which have occurred, utility and service disruptions, impacts upon people, effects upon critical facilities, other emergency conditions, health and safety hazards, status of repairs/improvements and their estimated completion dates, if known.)

(Provide information on PDA findings, how/where conducted, accessibility concerns.)

General background/context:
Throughout the 20th Century, several overarching trends affected cities throughout the United States, in ways which would prove to be challenging to historical central cities such as Flint. Through the 1920s, long-established development patterns had involved the expansion of central cities through the method of "annexation," in which outlying lands officially became part of the city and thus became supplied with urban infrastructure which allowed for more intensive development. However, as various technological advances reduced the costs of the infrastructure required to support moderate levels of development in outlying areas, many of these urban fringe areas became developed without a full need for the central city's urban infrastructure. Traditional urban transportation requirements had also been transformed by the mass-production of affordable automobiles, allowing great increases in the distances over which people could commute to work each day. These general national trends tended to then be supported and institutionalized with various laws and policies, solidifying the independent strength of "suburban" developments around each historical central city. For example, Michigan's Charter Township Act of 1947 greatly enhanced the capacity of townships to resist annexation efforts, so long as they provided a suitable level of infrastructure and services on

their own. Other post-war policies included the Federal Housing Administration's support of suburban residential development, the construction of the interstate highway system which provided infrastructure to allow rapid transportation between the central and fringe sections of most major urban areas, and subsequent shifts of retail outlets (e.g. shopping malls) and employment centers (e.g. office and industrial parks) toward outlying areas where taxes were less expensive, land was more plentiful, and metro-area processes had led to suburban areas with concentrations of wealthier consumer and highly educated, specialized labor forces existed which made these suburban locations highly logical choices for new developments of these types.

Although the proliferation of suburbs had been consistent with certain kinds of democratic ideals, allowing more freedom of choice among area schools, municipalities with their own separate electoral processes and budgets and revenue systems, and various lifestyle choices associated with certain locations, there were also serious problems which these processes were creating. One was the development of segregation patterns, which had to be offset over the course of several decades with government action such as Shelley versus Kraemer (1948) and the Fair Housing Act of 1968. Urban planners worked with new principles and requirements involving equity, such as the spatial distribution of subsidized housing according to "fair share" principles, and also involving environmental justice, recognizing that some of the most heavily polluted and disaster-prone areas were tending to be those that were becoming disproportionately occupied by poorer residents and persons identified with ethnic minority groups. Many school districts shared some of the same boundaries which had divided central cities from suburbs, resulting in another set of institutional impacts which required corrective policies to adjust for, such as busing and later Schools of Choice programs.

Although it took only a couple of decades for the negative effects of these processes upon most central cities to become clear, it often took additional decades to start correcting some of their effects. Some of these have continued to this very day because of their complexity, and thus the political, economic, and organizational difficulties of addressing them effectively. Michigan has seen central city budgets shrink greatly along with declines in those municipalities' populations, land values, intensity of development, and tax revenues. A "vicious circle" has sometimes developed, in which declines of one type have gone uncorrected for enough time that related declines are caused or worsened, leading to a dilemma of how to stop such a negative cycle from continuing.

In the case of the City of Flint, it had grown rapidly during the early 20th Century and then saw its population peak in the 1960 census, at a population of nearly 200,000. From this peak, the population had dropped only slightly by 1970, but each decade thereafter saw the loss of more than 10% of the city's population. Today's population is estimated at only about 100,000—only about half of what it had been 50 years before. But despite the loss of important industrial plants and their associated jobs, most of this change in the central city was the result of a dispersion of population and resources across the broader metropolitan area, rather than from an overall metropolitan decline. Genesee County as a whole continued to have its population increase through 1980. As Flint itself lost about 37,000 persons between 1960 and 1980, Genesee County's population increased by about 76,000. Only then did the area as a whole start declining, sporadically and inconsistently, with the county sometimes registering slight

population growth, alternating with periods of larger decline. These simultaneous patterns are shown in the following data table:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,413	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	445,589	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.3%	52.6%	43.4%	35.4%	32.7%	28.6%	24.1%

As Flint was completing its mid-20th Century boom, its population grew substantially, except during the depression decade of the 1930s. During this time, the county as a whole was also expanding, at a somewhat faster rate than the city, so the proportion of the county's population found in the central city did decline during that period. However the city's shrinking proportion within its metropolitan area did not pose much of a problem as long as both the city and the overall area were growing. By contrast, the extent of central city population loss seen after 1970 was very serious, straining the city's budget to the point where an official bankruptcy (declared in 2XXX) appeared to provide one of the clearest means to sort through the many debts and shortfalls which had accumulated. Shrinking city revenues, budgets, and services seemed over time to lead to conditions and situations which directly affected the health of its residents—alarming rises in homicide rates, deterioration of the city's housing stock, an accumulation of brownfield sites, episodes of widespread arson, and the current public health emergency involving the city's water supply.

Central cities frequently provide important services and functions for their entire metropolitan areas, but as a result of 20th Century trends, such cities often bore increasing financial burdens while doing so, as many sources of tax revenue dropped off as residents moved to suburbs and increasingly shopped and worked in those suburbs as well. Even when businesses and people remained in the central city, tax revenues often shrank when overall property values declined within an increasingly suburban and exurban metropolitan environment. According to Flint's 2013 Master Plan (page 18), the daytime weekday population of the city increases to nearly 134,000 as a result of worker and student inflows. Thus, the city regularly supports traffic and services for more than 30,000 persons beyond those who are full-time residents of the city. During major events, this number is much higher. A disproportionate number of the city's residents are in poverty. A disproportionate number of the city's residents have disabilities (functional needs).

Equally troubling, the socio-economic profile of the affected counties and local communities found at Attachment 1 shows these areas are also some of the most economically-distressed in the region and therefore least able to recover from this flood disaster on their own. For example, in Wayne County, where over 23-percent of residents live below the federal poverty level, in the hard-hit cities of Dearborn, Detroit, Highland Park, and Inkster, the poverty levels all exceed 25-percent. In the City of Highland Park, the poverty level is closer to 50-percent. Three significantly affected Wayne County communities (i.e., the cities of Detroit, Highland Park, and Inkster) have median household incomes (at $26,955, $20,298, and $28,095, respectively) that are close to one-half of the state average of $48,471. In Macomb County, the City of Warren's poverty level exceeds 17-percent and its median household income, at $44,982, also lags nearly 8-percent behind the state average. The cities of Dearborn and Dearborn Heights in Wayne County both have poverty levels exceeding the state average, and median household incomes that are less than the state average. The cities of Madison Heights and Oak Park in Oakland County also experience those same conditions. Unemployment in many of the affected communities is also high. For example, all three counties have unemployment rates (at 9.6-percent, 8.4-percent, and 11.1-percent, respectively) that exceed the state average of 7.7-percent. (Unfortunately, Michigan's unemployment rate remains one of the highest in the nation, and well above the national average of 6.2-percent.) The City of Highland Park has an unemployment rate that exceeds 23-percent, while the City of Detroit's rate exceeds 17-percent. As the table at Attachment 1 shows, several other communities particularly hard-hit by the flooding also have unemployment rates that exceed double-digits.

The following information is furnished on the nature and amount of State and local government resources that have been or will be used to alleviate the conditions of this disaster:

(Describe response actions by state and local governments. Describe any state/local Individual Assistance programs.)

In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on August 13, 2014, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Disaster for the counties of Macomb, Oakland, and Wayne, including the local political subdivisions located therein, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned counties and local political subdivisions in responding to and recovering from this disaster. I must note that numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals; assessing the damage and impacts to affected state facilities, infrastructure, and services under their stewardship; and taking appropriate actions to keep those affected facilities, infrastructure, and services operational.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that supplemental federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected counties specified in this

request, and activation of the Hazard Mitigation Grant Program for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B, respectively.

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Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions." Maps, weather and flood charts, and damage photographs related to this disaster can be found at Attachment 3, "Supporting Maps, Charts, and Photographs."

I certify that for this major disaster, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Rick Snyder
Governor

Attachments and Enclosures:

Attachment 1: Demographic Profile of the Affected Counties and Selected Local Municipalities
Attachment 2: Significant State and Local Response and Recovery Actions
Attachment 3: Supporting Maps, Charts, and Photographs

Office of Management and Budget Form No. 1660-0009
Enclosure A: Estimated Requirements for Individual Assistance under the Stafford Act
Enclosure B: Estimated Requirements for Public Assistance under the Stafford Act
Enclosure C: Estimated Requirements for Other Federal Agency Programs
Enclosure D: (Not Applicable to this Request)

ATTACHMENT 1 TO MAJOR DISASTER REQUEST

Demographic Profile of the Affected Municipality

	Persons Below Poverty Level	Median Household Income	Children under 5 years	Percent Elderly (65+ years)	Percent with Disabilities	Percent Pre-Disaster Unemployment (5-year estimate)
National Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State Average	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	XX.X%	$XX,XXX	XX.X%	XX.X%	XX.X%	XX.X%
City of Flint (Genesee Co.)	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Data Sources

U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

ATTACHMENT 2 TO MAJOR DISASTER REQUEST

Significant State and Local Response and Recovery Actions

Search and Rescue. The rapid and severe flash flooding inundated numerous sections of interstate highways, major state highways, and local roadways in the metropolitan Detroit area in the hours immediately after the heavy rainfall on August 11, trapping hundreds of vehicles and motorists in the rising water. Many of these motorists sought refuge on the tops of their vehicles or on nearby high ground and had to be rescued by Michigan State Police officers, local law enforcement officers, and local fire department personnel. Michigan State Police resources were particularly valuable to the search and rescue efforts. State Police officers provided direct assistance to stranded motorists, checked the status of abandoned vehicles, and assisted local responders in blocking access to flooded roadways. In addition, divers with the Michigan State Police Underwater Recovery Unit checked more than one hundred submerged vehicles for occupants (fortunately, none were found), and the State Police Aviation Unit conducted aerial fly-overs of the impacted areas to search for additional stranded motorists and to take aerial photographic and video footage of the flood scenes. (Some of those photographs are included at Attachment 3 to provide visual documentation of the scope and magnitude of the flooding.)

Critical Facilities and Infrastructure Restoration. A number of critical facility and infrastructure emergency restoration measures were implemented in the affected counties and local communities during the response to the severe flooding. Particularly hard hit were the interstate highways and major state roadways in and around metropolitan Detroit, although roadways in all three counties were heavily impacted by the flooding. Many sections of the affected highways in and around metropolitan Detroit (including interstate highways I-75, I-94, I-96, and I-696, and Michigan highways M-10 and M-39) were inundated with flood water, trapping vehicles and motorists who could not make their way through the rapidly-deepening water. This forced the closure of these roadway sections – in some cases for several days – so that crews from the Michigan Department of Transportation, Michigan State Police, and county and local road and law enforcement agencies could oversee the removal of stranded (and generally inoperable) vehicles; assess the physical damage to and conduct safety checks of road, bridge, and related infrastructure; and initiate appropriate facility repair and restoration measures so that the closed sections of roadway could be safely reopened to the motoring public. (Refer to the road closure map found at Attachment 3.)

Repair and restoration measures included but were not limited to: conducting safety checks of and making temporary or permanent repairs to damaged structures; removing water, mud and debris from the roadway, bridges, and rights-of-way; stabilizing banks to prevent further debris flows and physical degradation; repairing signage and electronic signals, where required; repairing pumping equipment and associated facilities to ensure they are operational; and testing the repaired facilities to ensure they will allow for safe travel. In most cases, the dedicated work crews were able to reopen the damaged highway and roadway facilities within 36-48 hours. However, some of the damaged sections of roadway and bridge infrastructure will

require more extensive permanent repairs which will take several weeks to several months to complete once funding is available to finance the repairs.

Uninsured damage to other local public facilities and infrastructure was significant. For example, in the City of Warren in Macomb County, the Police Department and Fire Department incurred nearly $2.8 million in uninsured damage to their police and fire vehicles and associated equipment. This includes 10 fully-equipped Fire Department vehicles and six fully-equipped Police Department vehicles requiring replacement, and another seven fire vehicles and nine police vehicles requiring major repairs. The City of Sterling Heights, also in Macomb County, had nearly $620,000 in insured public utility damage, while in St. Clair Shores, uninsured damage to public buildings and associated equipment totaled $225,000. In the City of Royal Oak in Oakland County, uninsured damage to a local high school and middle school totaled $210,000. Uninsured damage to St. John Providence Hospital in the City of Southfield in Oakland County was $200,000. Uninsured damage to Oakwood Hospital in the City of Dearborn in Wayne County exceeded $1.8 million, while in the City of Highland Park, also in Wayne County, uninsured damage to public utilities, city hall, and the community recreation center totaled in excess of $450,000. In the City of Detroit in Wayne County, uninsured damage to public buildings and equipment was over $930,000, with the majority of that total coming from damage to Police Department facilities. These are just a few instructive examples from the nearly $16.8 million in public damage that occurred in Michigan. Although temporary repair and restoration measures have been put in place in most instances to bring the damaged facilities and infrastructure in the three counties to basic operational status, almost all will still require extensive permanent repairs and restoration to bring them back to their pre-flood condition. That will not occur in a timely or comprehensive manner without federal disaster relief assistance.

Emergency Sheltering and Mass Care. Although the rapid (and unanticipated), heavy rainfall did not allow for preventive evacuations of the public in impacted areas, emergency sheltering and mass care services were required in several instances. For example, on August 11, over 400 stranded motorists had to be temporarily sheltered for the evening in the City of Warren because roadway flooding prohibited further travel and resulted in many areas being inaccessible by vehicle. (Many of these individual's vehicles were deeply submerged in flood water and would not have been able to travel anyway because of the damage to their vehicle.) Along M-10 in Wayne County, approximately 50 motorists were stranded for an extended period from the evening of August 11 through August 13 due to the deep flood water in the walled-in, lower sections of the highway. During this time, the American Red Cross provided these stranded individuals with food, water, and comfort kits until the roadway could be de-watered and reopened for travel. For six days after the flooding occurred, a small number of displaced flood survivors were sheltered and cared for at an American Red Cross shelter in Garden City in Wayne County because their homes were inaccessible and/or incurred sufficient damage to render them unsafe for occupancy. Lastly, the American Red Cross also provided cots and comfort kits to nearly two-dozen displaced residents at two apartment complexes in the cities of Detroit (Wayne County) and Troy (Oakland County) so that the residents could use other (unaffected) vacant units within the respective complexes for shelter, rather than having to be moved elsewhere to a temporary shelter facility.

I must note that these emergency sheltering and mass care figures are somewhat misleading, as we received reports that many more flood survivors were temporarily displaced because of flood damage and/or inaccessibility but sought shelter with nearby family, friends, or in unaffected area hotels and motels. As it is next to impossible to track these "unofficial" evacuations with any accuracy, it is safe to say that the number of temporarily displaced flood survivors is much higher than reported through official channels.

The American Red Cross generally led the organized emergency sheltering and mass care effort, supported by the Michigan Department of Human Services, the Salvation Army, and other community-based relief organizations.

Flood Recovery for Individuals and Families. To assist affected flood survivors in recovering from this devastating disaster, the American Red Cross teamed with the Michigan Department of Human Services, Michigan 2-1-1, the Michigan Community Service Commission, and other community-based relief organizations to establish and operate "Multi-Agency Resource Centers" (MARCs) in 10 different locations over a six-day period in the latter-half of August. (A corresponding map found at Attachment 3 shows the initial locations of these MARCs.) The Multi-Agency Resource Centers, which were visited by several thousand flood survivors, provided a location and means to disseminate information regarding flood recovery and available flood recovery assistance. Through these centers, flood survivors could connect with or be referred to agencies and organizations that could assist them in their recovery – addressing everything from filing insurance claims, to replacing food and clothing, to making repairs to damaged homes. In addition, the Multi-Agency Resource Centers also provided a clearinghouse for the distribution of flood clean-up kits, personal comfort kits, and other recovery supplies to those requiring such items. To date, over 300 referrals for behavioral health assistance have been made through the centers and other involved agencies.

In addition to the Multi-Agency Resource Centers, flood survivors also have the opportunity to request flood recovery information and/or assistance via the Internet or Michigan 2-1-1 telephone system. These options were widely disseminated to the public and the media in various information releases. For the internet options, affected individuals could register directly with the Recovery Coordination Center (discussed in "Management of Emergency Volunteers" below) operated by Michigan Voluntary Organizations Active in Disasters, at www.bit.ly/floodcleanupsemi, or they could register via a specially-designated web page (www.michigan.gov/miflood) at the Michigan State Police Emergency Management and Homeland Security web site, which provides a link to the Recovery Coordination Center registration form. Either option results in a referral for recovery assistance to one of the Michigan Voluntary Organizations Active in Disasters member organizations providing assistance through the Recovery Coordination Center.

(I must note that, although the Multi-Agency Resource Centers, Michigan 2-1-1, and the aforementioned web sites have been tremendously successful to date in identifying and addressing both short- and longer-term recovery needs of the affected flood survivors in this disaster, it is clear that even these collective efforts are not going to be sufficient to identify and address all of the unmet needs of the thousands of flood survivors. This is particularly true with regard to home rebuilding and restoration efforts to ensure safe re-occupancy of damaged

structures. Because over 80-percent of the affected households in the three-county area did not have insurance in place to address the damage incurred in this flash flood, it is very likely that many will be forced to occupy their homes with potentially dangerous and/or unhealthy conditions present due to damaged electrical and mechanical systems and/or the presence of black mold or other contaminants on building materials not properly dried out and restored. Simply put, the long-term unmet needs of the flood survivors far outstrip the combined resources of the involved voluntary organizations, volunteers, and existing human service programs to remedy those needs. Clearly, federal disaster relief assistance is required to enable these flood survivors to fully recover from this devastating flood and allow them to make their dwellings safe and sanitary for re-occupancy.)

Without significant relief assistance from the federal government, these individuals will not have the resources necessary to fully repair and restore their damaged homes and mechanical systems, ensure their homes are free of mold and other health hazards, and replace damaged essential household items such as appliances, clothing, food, medications, and furniture and bedding. Without federal relief assistance, it is an almost certainty that many individuals will continue to struggle to recover and be forced to live in unhealthy conditions due to mold, contact with contaminated materials, and substandard (and likely unsafe) mechanical systems that they could not afford to have properly repaired by licensed professionals.

Management of Emergency Volunteers. To date, hundreds of emergency volunteers have been mobilized through the collective efforts of the American Red Cross, Michigan Voluntary Organizations Active in Disasters, Michigan Community Service Commission, Michigan Department of Human Services, local and state emergency management offices, and community-based organizations, to assist in the recovery from this flood disaster. In fact, volunteers have been and continue to be the lifeblood of the flood recovery effort. The aforementioned agencies and organizations have done a tremendous job in managing these volunteer resources and ensuring their timely and effective use. As I previously indicated, several Multi-Agency Resource Centers have been established and successfully operated in the affected counties to allow for the distribution of clean-up and personal comfort kits, and to facilitate the connection of those in need with the agencies and organizations that can provide recovery and relief information and/or assistance.

Central to the disaster volunteer management effort has been the establishment of a Recovery Coordination Center (RCC) to provide a means to coordinate the efforts of organizations that provide volunteer assistance to flood survivors needing help in repairing and restoring their home. The majority of the volunteers providing assistance are working under the framework of Michigan Voluntary Organizations Active in Disasters, and in coordination with state and local emergency management agencies, Michigan 2-1-1, the American Red Cross, the Michigan Department of Human Services, and other community-based organizations. The Recovery Coordination Center helps identify flood survivors requiring recovery assistance and determines the nature and scope of their recovery needs. The center provides ongoing case management for individual recovery and rebuilding/restoration efforts, ensuring that no one "falls through the cracks" and does not receive the assistance they need. Affected individuals are identified and referred to the Recovery Coordination Center by Michigan 2-1-1, local and state emergency management offices, Michigan Department of Human Services county offices,

the Michigan Community Service Commission, churches and other faith-based organizations, or by involved volunteers themselves. Once a flood victim is registered with the Recovery Coordination Center, their recovery needs are referred to the appropriate agency or volunteer organization for follow-up action. Through the center, voluntary organizations can also track their recovery efforts, thus ensuring an accurate accounting of the volunteer hours spent with each flood victim. Currently, over 4,000 homeowners have requested clean-up and restoration assistance through the Recovery Coordination Center. To date, over 250 homes have been completed using volunteers coordinated through the center.

However, as I indicated earlier, even with these outstanding volunteer efforts in place the collective capabilities of volunteers can only go so far in meeting the more difficult long-term recovery needs aimed at ensuring safe and sanitary conditions in flood-damaged homes. Because of the lack of adequate insurance (less than one in five households was adequately insured) to help pay for potentially-expensive repair and restoration activities required to make home structural elements and mechanical systems safe and functional, and to fully-remove the presence of black mold and other contaminants in flood-damaged building materials, it is essential that federal disaster relief assistance be provided. Absent this assistance, affected flood survivors will, in many cases, be forced to live in potentially-dangerous and/or unsanitary conditions because they do not have the financial resources necessary to fully restore their dwellings to pre-flood condition in a timely manner – or at all.

Debris Removal to Protect Public Health and Safety. Debris management was a critically important recovery issue in the days and weeks immediately following this flood disaster. Throughout the affected counties and communities, extensive and rapid debris operations were required to clear and remove flood-damaged building materials and personal property from curbsides and roadway rights-of-way in residential and commercial areas in order to protect public health and safety and enable the continuing use of adjacent roadways, sidewalks, and fire hydrants. The wet, heavy, contaminated flood debris from tens-of-thousands of flood-damaged homes and businesses, coupled with the hot and humid weather conditions that occurred in the days that immediately followed the flood disaster, set the stage for potentially-dangerous and unsanitary conditions in these densely-populated and heavily-developed urban areas. Because of the very real potential for a public health emergency, it was necessary for the affected local communities to muster all of the private and public debris clearance and removal resources they could to ensure rapid and environmentally-compliant removal and disposal of this debris.

In that regard, the affected local jurisdictions did an exemplary job in rapidly managing this difficult and potentially life-threatening recovery issue. With the assistance of various state agencies working out of the State Emergency Operations Center, the local jurisdictions were able to identify sufficient resources to address their debris removal and disposal needs in a rapid and environmentally-compliant manner. All of the affected local communities effectively worked with the Michigan Department of Environmental Quality to obtain required emergency waivers for temporary debris storage and transfer centers, and for emergency transportation of flood debris to approved landfill facilities. These debris removal efforts, however, came at a collective $7 million cost to the affected local jurisdictions in the three counties – a cost which

these jurisdictions are not in a position to bear without significant cuts to other essential programs and services.

Emergency Public Information. During the first hours and days after the flash flooding occurred, the affected local jurisdictions and several Michigan state agencies undertook a comprehensive emergency public information campaign to warn residents of the health and safety risks posed by the flooding and flood-related damage, and to provide updates on recovery issues and concerns. Of particular concern initially were the health and safety risks associated with structural damage, damaged electrical and mechanical systems, and contaminated flood debris. Later, the public information focus shifted to address longer-term recovery issues such as use of licensed and reputable contractors, price-gouging, scam avoidance, and home restoration best practices. This public information campaign continues today, in both English and appropriate non-English languages, and will so for the foreseeable future until all recovery-related issues and concerns have been effectively dealt with. All appropriate media sources have been utilized in this campaign, including television, radio, print media, and web and social media sites. Although there were two incident-related deaths in the early days after the flooding, since that time this campaign has been largely successful in minimizing flood-related injuries and health and safety problems.

The Michigan United Way 2-1-1 telephone referral system has been a tremendously successful means of disseminating important recovery-related information and making referrals to agencies and organizations that can provide recovery assistance. To date, Michigan 2-1-1 has fielded nearly 10,000 calls from individuals seeking flood recovery information and/or referrals. Michigan 2-1-1 has been instrumental in connecting individuals in need with the appropriate resources to enable them to recover from this flood disaster. Despite its success, Michigan 2-1-1 also had one potential downside, that is, the large number of "abandoned" calls from callers that chose to hang up rather than utilize the call-back option when lines were busy. Telephone logs show that over 3,100 calls were abandoned between mid-August and the first week of September. This is disturbing to me because there is no way to track with certainty whether or not these individuals actually did receive the information and/or assistance they were seeking when they initially called Michigan 2-1-1. My hope is that they did, but I suspect a portion of these callers simply gave up and did not further seek recovery information and/or assistance.

(I must note that my concerns in this regard are not necessarily limited to Michigan 2-1-1. Reports received from state and local staff that participated in the Preliminary Damage Assessment indicate that a potentially large number of affected individuals may not have sought assistance due to a number of reasons, including but not limited to: a general distrust of or frustration with government; language and/or cultural barriers; technology barriers, i.e., do not regularly monitor media reports, the internet, or social media; or a lack of understanding regarding available resources and the means for accessing those resources. If federal disaster relief assistance is granted based on this request, we may find many additional individuals that may seek to apply for federal assistance – over and above those estimates developed in the Preliminary Damage Assessment.)

State Response and Recovery Assistance Efforts. Michigan's state departments and agencies and nongovernmental partner organizations have provided whatever appropriate resources they had at their avail to assist the affected counties and local jurisdictions in responding to and recovering from this flood disaster. Although the following is by no means an all-inclusive accounting of all response and recovery efforts, it does provide brief synopses of some of the more noteworthy efforts:

The **Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD)** began to monitor the incident in the early evening of August 11, after reports of flash flooding were first received from the affected local emergency management officials and the National Weather Service. Immediate communications were established with the local emergency management officials to assess the nature, scope, and magnitude of the incident and to help coordinate the provision of state resources as needed. This monitoring continued through the evening hours of August 11. When reports from the affected local jurisdictions and the Michigan Department of Transportation indicated that metropolitan Detroit interstate highways and major roadways had suffered major flooding, the MSP/EMHSD notified key staff to report to the State Emergency Operations Center (SEOC). The SEOC was in partial activation status for several hours, and then went to full activation status at 10:00 AM on August 12. Numerous departments, agencies, and nongovernmental partners responded and reported to the SEOC for duty.

The MSP/EMHSD coordinated SEOC operations at full activation status for the next 14 days, operating 24 hours a day, 7 days a week, on 12-hour shifts. On August 25, the overnight shift was terminated and the operational hours were changed to 8:00 AM till 8:00 PM. The SEOC remained on that schedule for two days, until August 27, when the hours were changed to 8:00 AM till 5:00 PM to more closely align with the Preliminary Damage Assessment operations ongoing in the three-county impact area. On September 8, the SEOC went to a weekly operational period.

Throughout the SEOC activation, the MSP/EMHSD staffed command, operations, logistics, planning, public information, mapping and technical support positions to keep the SEOC functioning at full capability and to fully support the state department/agency and nongovernmental partner representatives present in the facility. During this period, the MSP/EMHSD coordinated all resource requests received from the affected local jurisdictions, ensuring that each request was appropriately addressed in a timely manner. The MSP/EMHSD also coordinated the collection, compilation, review, analysis, synthesis, and reporting of damage and impact assessment information received from the affected jurisdictions and state departments/agencies. The MSP/EMHSD also conducted several briefings daily for local officials, state departments/agencies and nongovernmental partners, and other interested parties, to keep all stakeholders apprised of ongoing or planned activities and areas of concern. Daily incident management plans were developed by SEOC command staff to focus SEOC activities on planned incident management objectives and to ensure that state resources were being appropriately utilized to address the most pressing issues during the operational period. In addition, the MSP/EMHSD developed numerous daily written situation status reports and public information releases to keep SEOC staff, state government executive and legislative

leadership, local officials, our emergency management partners, and the public informed of ongoing issues, concerns, activities, and opportunities for coordination and/or involvement.

From August 25 to September 9, the MSP/EMHSD worked closely with Federal Emergency Management Agency officials to coordinate and conduct Preliminary Damage Assessments for both Individual Assistance and Public Assistance in the three-county impact area. The MSP/EMHSD was instrumental in the set-up of and conduct of the Preliminary Damage Assessment, handling all administrative and logistical aspects of the operation from the SEOC and an on-site coordination center established at the Double Tree Inn in Dearborn. Lastly, using the assessment information and findings from the Preliminary Damage Assessment, the MSP/EMHSD provided considerable technical assistance to me and my staff in the drafting of this request letter and in compiling the supporting information found in the various Attachments and Enclosures.

In addition to the MSP/EMHSD contributions, the **Michigan State Police (MSP)** also deployed considerable resources during the flood response to assist local officials in controlling access to flooded areas, conducting underwater search and rescue in flooded areas, and assisting with security and traffic control as required. Early in the response, the MSP Aviation Unit also flew aerial reconnaissance and assessment missions over the affected areas to search for additional stranded motorists on flooded highways, to aid local and state officials in determining the scope and magnitude of the flooding, and to take aerial photographs and video footage of flooded areas for damage and impact assessment purposes. (Some of those photographs appear in this letter at Attachment 3.) The MSP Special Operations Division also assisted at the SEOC, and the Michigan Intelligence Operations Center (MIOC) continuously monitored the flooding conditions and sent out situational awareness bulletins on the weather and flooding to all stakeholder partners through the duration of the response and recovery.

The **Michigan Department of Agriculture and Rural Development (MDARD)** made available flood clean-up (to include sewage) guidance to affected food establishments in the three-county impact area. This guidance was provided in English, Spanish, Arabic, and Mandarin languages. In addition, the MDARD and the U.S. Food and Drug Administration (FDA) Detroit District Office coordinated with various food industry associations in Michigan to assess the impact of the flooding on the food and agriculture sector and to determine appropriate follow-up measures necessary to protect public health. (Providing the clean-up guidance to food establishments was one of the necessary measures.) During this outreach process, the MDARD focused on food warehouses and retail establishments while the FDA focused on food processors and other regulated firms (e.g., drug, biologics, medical devices, etc.) within the local jurisdictions most heavily impacted by the flooding. (Those jurisdictions included but were not limited to: Warren, St. Clair Shores, and Clinton Township in Macomb County; Madison Heights, Ferndale, and Royal Oak in Oakland County; and Dearborn, Dearborn Heights, and Detroit in Wayne County.) In addition, the MDARD also reached out to the affected health departments (county and City of Detroit) who license and inspect restaurants, and with major grocery store chains and trade associations. MDARD personnel also inspected a number of gasoline stations in the affected area to determine if any had issues with flood water in their gasoline storage

tanks. (One did, but the issue was satisfactorily resolved by the state inspectors.)

The **Michigan Department of Community Health (MDCH)** coordinated with affected local health departments regarding the provision of disaster behavioral health resources; monitored and coordinated with local hospitals and the Region 2 Health Care Coalition regarding flood-related damage and the resultant impacts on hospital operations; and worked closely with the SEOC Public Information Officer to disseminate appropriate and timely health-related information to flood survivors.

The **Michigan Department of Environmental Quality (MDEQ)** coordinated extensively with local officials involved in debris management operations to ensure compliance with federal and state environmental laws and regulations; issued timely emergency approvals of sites designated for use as temporary debris storage and transfer sites; issued other emergency authorizations and waivers where appropriate; provided technical assistance to local officials and private debris management firms regarding issues pertaining to the collection, storage, transport, and disposal of flood-related debris; assisted in the identification of supplemental debris management resources for local officials in need of such resources; and monitored flood-related impacts on local drinking water treatment plants and operations in the affected area.

The **Michigan Department of Human Services (MDHS)** coordinated with involved voluntary relief organizations, community-based organizations, MDHS County Offices and the Michigan Community Service Commission, Michigan 2-1-1, and other human service providers to identify, assess, and attempt to meet the recovery needs of flood survivors. The MDHS undertook a number of activities during the response and recovery phases of this disaster to meet this broad mission, including but not limited to: coordinating with the American Red Cross, Michigan Voluntary Organizations Active in Disasters, and other voluntary relief organizations to establish and operate two temporary emergency shelters, 10 Multi-Agency Resource Centers, and a Recovery Coordination Center; coordinating the distribution of thousands of clean-up and personal comfort kits; coordinating with the SEOC Public Information Officer and other public information officials regarding the dissemination of appropriate and timely recovery information using all available means (e.g., Michigan 2-1-1, web and social media sites, television, radio, etc.); registering eligible flood survivors for the limited MDHS emergency relief assistance available; coordinating the receipt and use of donated goods for the recovery effort; resolving debris management issues for volunteers providing clean-up and/or repair assistance through the Recovery Coordination Center; assisting with volunteer recruitment through the Michigan Community Service Commission and other means; procuring needed supplies for volunteer repair/clean-up teams; and addressing recovery-related issues for various functional needs populations affected by the flooding.

The **Michigan Department of Licensing and Regulatory Affairs (MDLARA)** monitored incident-related energy disruptions and energy supply issues related to the storms and flooding; monitored the operations of regulated health care facilities affected by the flooding; provided (through the Michigan Occupational Safety and Health Administration – MIOSHA) worker safety information to emergency responders and workers, as appropriate; and provided (through the

Bureau of Construction Codes) information to citizens in the City of Highland Park and other communities on mandated building, mechanical, electrical and plumbing inspections.

The **Michigan Department of Technology, Management and Budget (MDTMB)** monitored the impacts of the flooding on state owned and operated facilities and state government operations in the three-county area; assisted in obtaining needed resources for emergency operations and/or flood recovery through standing vendor contracts and/or the state's emergency procurement process; identified and procured office space and coordinated information technology installation for needed emergency facilities; and assisted in transporting recovery supplies to Multi-Agency Resource Centers and other distribution facilities.

The **Michigan Department of Transportation (MDOT)**, assisted by local public works and law enforcement personnel and the Michigan State Police, managed the closure of several sections of interstate and state highways in and around metropolitan Detroit that were inundated by flood water. This included several sections interstate highways I-75, I-94, I-96, and I-696, and Michigan highways M-10 and M-39. The MDOT also monitored and reported on closures of local roads and bridges by local officials; reported on the scope and magnitude of road and bridge damage in the affected counties; coordinated with the Federal Highway Administration (FHWA) regarding implementation of its Emergency Relief Program; and participated in the Public Assistance Preliminary Damage Assessment for road and bridge damage.

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ATTACHMENT 3 TO MAJOR DISASTER REQUEST

Supporting Maps, Charts, and Photographs

The following maps, photographs, and charts are furnished to support the narrative contained in the body of this letter, and in Attachment 2:

Disaster Area Maps

Jurisdictions Covered by Local and/or State Declarations
August 11, 2014 Historic Rainfall in Southeast Lower Michigan

Source: State Emergency Operations Center, Geographic Information Systems Unit

Disaster Area Maps (cont.)

Interstate / Major State Highway Closures
August 11, 2014 Historic Rainfall in Southeast Lower Michigan

Source: State Emergency Operations Center, Geographic Information Systems Unit

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Disaster Area Maps (cont.)

Initial Multi-Agency Resource Centers in Declared Areas
August 11, 2014 Historic Rainfall in Southeast Lower Michigan

Source: State Emergency Operations Center, Geographic Information Systems Unit

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Selected Photographs of Flood Damage and Impacts

Row 1, L-R: Oakland County – water rescue; Macomb County – flood-damaged home foundation in the City of Warren.
Row 2, L-R: Oakland County – recovery of submerged vehicles; Oakland County – flooded highway.
Row 3, L-R: Oakland County – aerial view of flooded I-75; Oakland County – residential flooding.

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National Weather Service Images and Precipitation Report

6:00 PM Radar Image for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Source: National Weather Service – Detroit/Pontiac Office; Iowa State University (Iowa Environmental Mesonet)

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National Weather Service Images and Precipitation Report (cont.)

7:11 PM Radar Image for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Source: The Weather Channel

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National Weather Service Images and Precipitation Report (cont.)

Upper Level Atmospheric Storm Track for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Centers for Environmental Prediction Image)

Source: National Oceanic and Atmospheric Administration – National Centers for Environmental Prediction

National Weather Service Images and Precipitation Report (cont.)

Local Storm Reports for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

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Source: National Weather Service – Detroit/Pontiac Office; Iowa State University (Iowa Environmental Mesonet)

National Weather Service Images and Precipitation Report (cont.)

24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Weather Service Image)

Source: National Weather Service – Detroit/Pontiac Office

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National Weather Service Images and Precipitation Report (cont.)

24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(Advanced Hydrologic Prediction Service Image)

Source: National Weather Service – Advanced Hydrologic Prediction Service

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National Weather Service Images and Precipitation Report (cont.)

24-Hour Precipitation Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan
(National Weather Service Image – Alternate Format)

Source: National Weather Service

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National Weather Service Images and Precipitation Report (cont.)

Record Rainfall Totals for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Source: National Weather Service – Detroit/Pontiac Office

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National Weather Service Images and Precipitation Report (cont.)

Selected Precipitation Reports for August 11, 2014
Historic Rainfall in Southeast Lower Michigan

Source: National Weather Service – Detroit/Pontiac Office
Note: All totals measured

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ENCLOSURE A TO MAJOR DISASTER REQUEST

Estimated Stafford Act Individual Assistance Requirements

Verified Home Damage

County	Homes Destroyed	Homes with Major Damage	Homes with Minor Damage	Homes Affected	Getting Assistance	Total	% Owner Occupied	% Insured	% Low Income	HUD FMR for 2 Bedroom
Macomb	1	94	182	138	138	415	94%	19%	11%	$646.00
Oakland	0	36	216	189	189	441	89%	19%	4%	$646.00
Wayne	0	112	593	708	708	1413	85%	17%	18%	$646.00
Total / Average	1	242	991	1035	1035	2269	88%	17%	14%	$646.00

Notes: FMR = Fair Market Rent; Percent of affected dwellings eligible for Individuals and Households Program (IHP) = 100%

Individuals and Households Program (IHP) Cost Estimates

Estimated Housing Assistance (HA)	Number of Households (Uninsured)	Cost	Total Cost	Category Total Cost
TEMPORARY HOUSING				**$290,505**
Rent (Pre-Disaster Renters) – 1 month	281		$150,365	
Rent (Owners w/Major or Destroyed) – 1 month	217		$140,140	
REPAIR ASSISTANCE				**$9,457,196**
Repair Costs (Owners w/Affected)	745	$1,500	$1,117,500	
Repair Costs (Owners w/Minor)	717	$3,588	$2,572,496	
Repair Costs (Owners w/Major)	178	$32,400	$5,767,200	
REPLACEMENT ASSISTANCE				**$31,754**
Replacement Costs (Owners w/Destroyed)	1	$31,754	$31,754	
TOTAL ESTIMATED HOUSING ASSISTANCE (HA)	1,922		$9,779,455	
Estimated Average HA Award per Household		$5,088		
ESTIMATED OTHER NEEDS ASSISTANCE (ONA)				
ONA (All Renters and Owners w/Affected, Minor, Major)	1,871	$1,329	$2,487,139	
ONA (Owners – Destroyed)	0	$1,329		
TOTAL ESTIMATED OTHER NEEDS ASSISTANCE (ONA)	1,871		$2,487,139	**$2,487,139**
Total Estimated Federal Share (75%)		$1,865,354		
Total Estimated State Share (25%)		$621,785		
Estimated Average ONA Award per Household		$1,329		
TOTAL ESTIMATED HA and ONA (FEDERAL SHARE)				**$11,644,809**

ENCLOSURE B TO MAJOR DISASTER REQUEST

Estimated Stafford Act Public Assistance Requirements

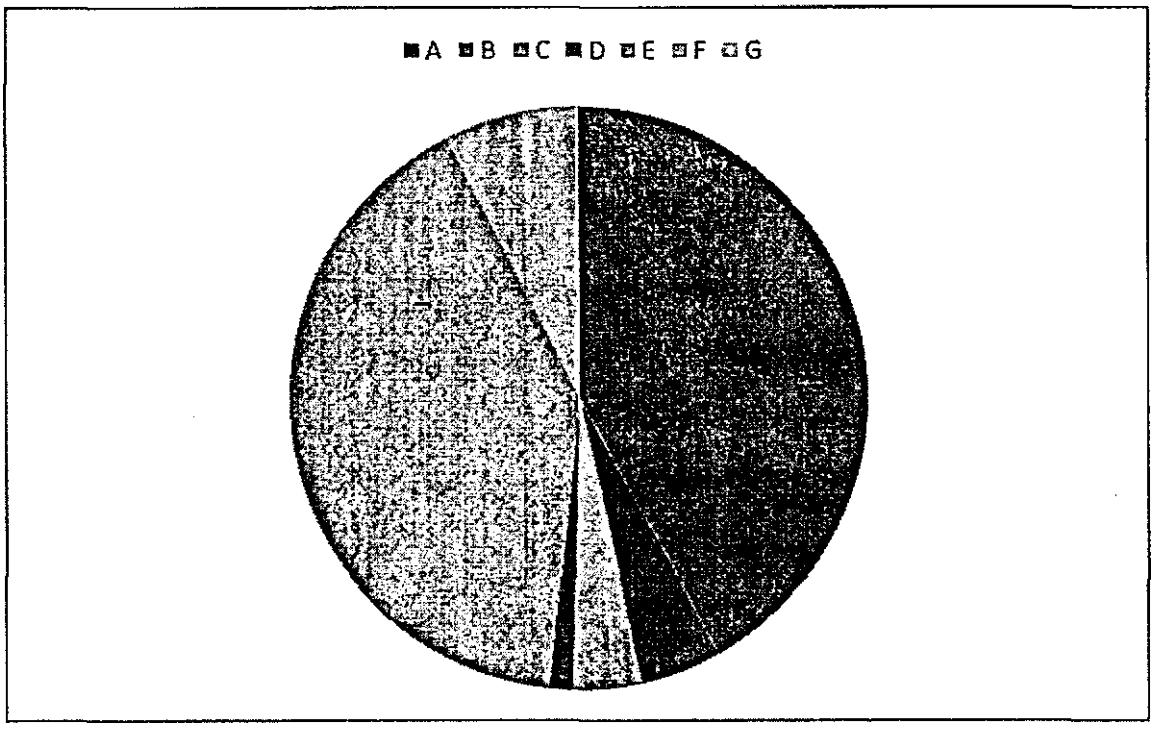
(All table figures in $; totals may vary slightly due to rounding)

County	A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equip.	F Public Utilities	G Parks and Recreation / Other	Total
Macomb	$769,831	$359,732	$307,003	$6,000	$3,119,945	$642,287	$15,293	$5,220,091
Oakland	$3,552,680	$52,819	$196,000	$48,579	$569,243	$89,615	$5,493	$4,514,429
Wayne	$2,708,198	$325,305	$141,710	$181,000	$3,144,827	$502,412	$4,025	$7,007,477
State Agencies	$0	$36,078	$0	$0	$0	$0	$0	$36,078
Totals:	7,030,709	$773,933	$644,713	$235,579	$6,834,015	$1,234,314	$24,811	$16,778,074
Federal Share (75%)	$5,273,032	$580,450	$483,535	$176,684	$5,125,511	$925,736	$18,608	$12,583,555
Non-Federal Share (25%)	$1,757,677	$193,483	$161,178	$58,895	$1,708,504	$308,578	$6,203	$4,194,519

Macomb County Population: 840,978; Per Capita Loss: $6.21
Oakland County Population: 1,202,362; Per Capita Loss: $3.75
Wayne County Population: 1,820,584; Per Capita Loss: $3.85

Public Assistance Categories, by Cost

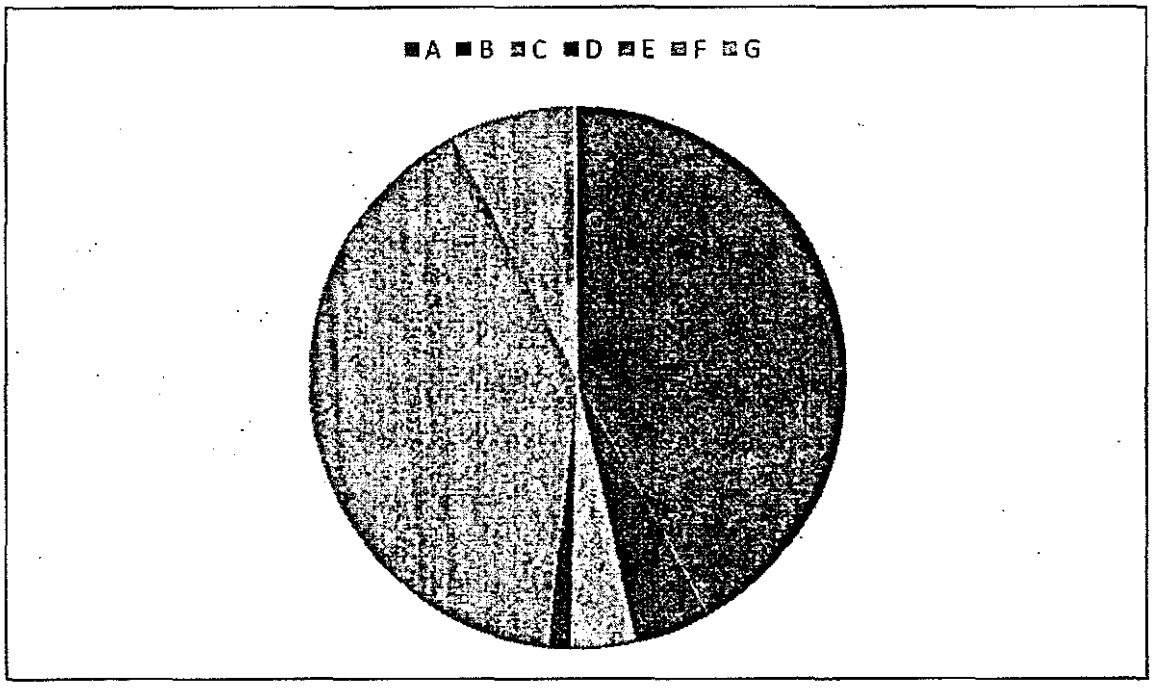
A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equipment	F Public Utilities	G Parks and Recreation / Other
$7,030,709	$773,933	$644,713	$235,579	$6,834,015	$1,234,314	$24,811



ENCLOSURE B TO MAJOR DISASTER REQUEST (cont.)

Public Assistance Categories, by Percentage

A Debris Removal	B Emergency Protective Measures	C Roads and Bridges	D Water Control Facilities	E Public Buildings and Equipment	F Public Utilities	G Parks and Recreation / Other
42%	5%	4%	1%	41%	7%	0%



ENCLOSURE C TO MAJOR DISASTER REQUEST

Estimated Assistance from Other Federal Agency Programs

County	SBA Home Loans	SBA Business Loans	FSA Loans	NRCS	FHWA	USACE	Other
Macomb	$3,907,000	$987,000					
Oakland	$2,140,000	$8,012,000					
Wayne	$4,452,000	$470,000					
Totals	$10,499,000	$9,489,000					

ENCLOSURE D TO MAJOR DISASTER REQUEST

Historic and Current Snowfall Data

Not Applicable to this Request.

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Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 5, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- **EBL report through 1/5/2016**
  - ***20 families contacted***
  - **13 EBL investigations completed.**
  - **11 Water sampling completed.**
  - **6 EBL Reports Received.**
    - **4 homes with lead dust hazards**
    - **3 homes with lead in soil hazards**
    - **6 homes with lead-based paint hazards**
    - **2 homes with lead detected in tap water**
  - 6 investigations scheduled.
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.
- HHS staff will accompany contractors on investigations to confirm compliance with protocols. Scheduled for 1/6/16.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- **CM report through 12/31/15:**
  - **# of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)**
  - # offered CM: 109 (0-5 year olds) and 6 (6-17 year olds)
  - **# CM started: 25 (0-5 year olds) and 2 (6-17 year olds)**
  - **# of children receiving CM who live in Flint: 25 (0-5 year olds) and 2 (6-17 year olds)**
  - **# billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)**
  - # other disposition: 23 (0-5 year olds) and 1 (6-17 year olds)
- **Families that have moved to other counties**
  - **Tuscola – contact made, local PH nurse advised the parent to get a follow-up venous test to confirm the elevated capillary test from October; around December 16, PCP at Hurley did a capillary instead of venous despite parent's request for a venous test. CM home visit scheduled for this week (parent was living with a relative, just moved into her own home this week).**
  - **Macomb – contact made, had not gone out yet as of 12/16; we are waiting for an update.**
  - **Oakland – waiting for a call back to give us updates.**

- **Livingston – contact made, parent accepted information over the phone, declined the home visit.**
- **Sanilac – waiting for a call back to give us updates.**

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **MDHHS IRB approved Dr. Hanna-Attisha's research project.**
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

Filter Distribution 10/1/15 to 12/31/15			
	Received	Distributed	Remaining
Water Filters	15,000	11,415	3,585
Water Pitchers	720	235	485
Replacement Cartridges - Brita	9,000	1,475	7,525
Replacement Cartridges – PUR*	5,706	4	5,632
Replacement Cartridges - Zero	375	5	370

*The PUR replacement cartridges are being made available in all locations for the convenience of residents. Once the PUR cartridges are exhausted and more are needed DHHS will purchase additional ones. The current supply was given to DHHS and GCCARD by United Way.

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Weekly (Tues. 8:00 am) coordination call with DEQ/LARA/HHS.**
- **GCHD (Jim Henry) is working with Flint residential child care facility to further evaluate lead levels in tap water. All current residents are > 6 years of age and have had venous blood tests: the highest was 2.3 mg/dL, most were <0.5 mg/dL.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- **Provided final/updated versions of the final documents to Angela Minicuci for posting on the MDEQ website (MB)**
  - **Phosphate Fact Sheet**
  - **How to Clean your Aerator Fact Sheet**
  - **Hey Flint, It's Safe to Wash poster (update)**
- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Pending: Filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)
- Pending: Lead and Nutrition fact sheet and Flint Parent Letter revisions.

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- **Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.**
- Reviewing copper drinking water action level.

WIC

- No updates.

Healthcare/Providers

- Medical Services Administration: Letter L 15-73, dated December 30, 2015, Blood Lead Guidelines to Address the City of Flint Residents' Potential Exposure to Lead, was sent to Practitioners, Clinics, Laboratories and Maternal Infant Health Program (MIHP) Providers in the City of Flint.

DEQ Information - Linda Dykema as Liaison

- **The DEQ laboratory will notify HHS (Linda Dykema) of water sampling results > 100 ppb to allow for immediate public health actions to interdict exposure to high lead levels in Flint drinking water. Notification will only be provided for results from the free water testing offered by the city, not the public schools where taps have been taken out of use.**
- **DEQ has completed water sampling at 10 Flint Public School facilities. 3 reports are completed and posted. 10 private schools and/or day care centers are on the waiting list. DEQ filmed sampling and will post the completed video on their web page as a demonstration of the intensity and completeness of the plumbing evaluation and water sampling efforts.**
- The DEQ reported lead water levels of 213 and 2,516 ppb in a residential Flint child care facility. DEQ contacted the facility on 12/30/15 and instructed them not to use those taps for drinking water consumption.

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 11, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation - Elevated Threat/Alert Mode.

****NOTE: Contains potentially identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; *Deaths- 0*

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/6/2016
  - **22 families contacted**
  - 14 EBL investigations completed.
  - 14 Water sampling completed.
  - 7 EBL Reports Received.
    - 6 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 5 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
      - 0 homes with lead water levels >5 ppb
      - 0 homes with lead water levels >15 ppb
  - **6 investigations scheduled.**
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- Families that have moved to other counties
  - GCHD forwarded a list of 40 families they were unable to contact: CLPPP staff identified updated contact information for 39 of the 40 families and forwarded that information to GCHD on 1/5/16.
  - GCHD is utilizing the updated information. They have already identified a family that has relocated to Ingham County, and another that relocated to Florida. Nancy has reached out to Mark Miller to initiate contact with Ingham for follow-up with that family.
- CM report through 12/31/15:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 109 (0-5 year olds) and 6 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)

- # other disposition: 23 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **Dr. Hanna-Attisha provided the first set of requested data as approved by MDHHS IRB.**
- **Blood testing data through 12/8/2016 pulled from the warehouse: report pending.**
- The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.
- Additional Zip code-specific blood lead data on children in Flint was provided in response to a request from the MDHHS Director.
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

Filter Distribution 10/1/15 to 1/6/15			
	Received	Distributed	Remaining
Water Filters	15,000	11,587	3,413
Water Pitchers	720	251	469
Replacement Cartridges - Brita	9,000	1,704	7,296
Replacement Cartridges – PUR*	5,706	33	5,603
Replacement Cartridges - Zero	375	8	367

*The PUR replacement cartridges are being made available in all locations for the convenience of residents. Once the PUR cartridges are exhausted and more are needed DHHS will purchase additional ones. The current supply was given to DHHS and GCCARD by United Way.

Communications/Information Sharing – Linda Dykema, Eden Wells

- No updates.

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- *Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model.*
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.

WIC

- No updates.

Healthcare/Providers

- No updates

DEQ Information - Linda Dykema as Liaison

- No updates

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 6, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

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Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/6/2016
  - 20 families contacted
  - 13 EBL investigations completed.
  - 11 Water sampling completed.
  - 6 EBL Reports Received.
    - 4 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 6 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
  - 6 investigations scheduled.
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.
- HHS staff will accompany contractors on investigations to confirm compliance with protocols. Scheduled for 1/6/16.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- Families that have moved to other counties
  - **GCHD forwarded a list of 40 families they were unable to contact: CLPPP staff identified updated contact information for 39 of the 40 families and forwarded that information to GCHD on 1/5/16.**
  - **GCHD have already identified a family that has relocated to Ingham County, and another that relocated to Florida. Nancy has reached out to Mark Miller to initiate contact with Ingham for follow-up with that family.**
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Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- MDHHS IRB approved Dr. Hanna-Attisha's research project.
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

Filter Distribution 10/1/15 to 1/6/15			
	Received	*Distributed*	*Remaining*
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Communications/Information Sharing – Linda Dykema, Eden Wells

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Health Education Resources Updates - Michelle Bruneau, Emily Houk

- **The State Emergency Operations Center (SEOC) opened a Joint Information Center (JIC). Angela Minicuci is the primary HHS contact to the JIC. All public information documents related to the Flint water response must be routed for approval through the JIC.**
- Provided final/updated versions of the final documents to Angela Minicuci for posting on the MDEQ website (MB)
    - Phosphate Fact Sheet
    - How to Clean your Aerator Fact Sheet
    - Hey Flint, It's Safe to Wash poster (update)
- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Pending: Filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)
- Pending: Lead and Nutrition fact sheet and Flint Parent Letter revisions.

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- **Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model**
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.
- Reviewing copper drinking water action level.

WIC

- No updates.

Healthcare/Providers

- Medical Services Administration: Letter L 15-73, dated December 30, 2015, Blood Lead Guidelines to Address the City of Flint Residents' Potential Exposure to Lead, was sent to Practitioners, Clinics, Laboratories and Maternal Infant Health Program (MIHP) Providers in the City of Flint.

DEQ Information - Linda Dykema as Liaison

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Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 8, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

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Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/6/2016
  - 21 families contacted
  - 14 EBL investigations completed.
  - **14 Water sampling completed.**
  - **7 EBL Reports Received.**
    - **6 homes with lead dust hazards**
    - 3 homes with lead in soil hazards
    - 5 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
      - 0 homes with lead water levels >5 ppb
      - 0 homes with lead water levels >15 ppb
  - 5 investigations scheduled.
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- Families that have moved to other counties
  - GCHD forwarded a list of 40 families they were unable to contact: CLPPP staff identified updated contact information for 39 of the 40 families and forwarded that information to GCHD on 1/5/16.
  - GCHD is utilizing the updated information. They have already identified a family that has relocated to Ingham County, and another that relocated to Florida. Nancy has reached out to Mark Miller to initiate contact with Ingham for follow-up with that family.
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  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - *# other disposition: 23 (0-5 year olds) and 1 (6-17 year olds)*

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.**
- **Additional Zip code-specific blood lead data on children in Flint was provided in response to a request from the MDHHS Director.**
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Filter & Water Distribution Sheryl Thompson

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	Received	Distributed	Remaining
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*The PUR replacement cartridges are being made available in all locations for the convenience of residents. Once the PUR cartridges are exhausted and more are needed DHHS will purchase additional ones. The current supply was given to DHHS and GCCARD by United Way.

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Weekly (Friday, 10:00 am) meeting with DEQ, LARA and the city of Flint.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- The State Emergency Operations Center (SEOC) opened a Joint Information Center (JIC). Angela Minicuci is the primary HHS contact to the JIC. All public information documents related to the Flint water response must be routed for approval through the JIC.
- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model.
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.

WIC

- No updates.

Healthcare/Providers

- No updates

DEQ Information - Linda Dykema as Liaison

- No updates

State Planning Unit Activities – Week of: 2015-01-11

Section Update:

- Pack/move to the 7150. (All SPU)

Key Activities:

- Finalize pending AAR's (ongoing) – (Baker)
- Finish EMAC Pre-Training-(Baker)
- Develop and revise 2015 State Wide Severe winter weather AAR- (Baker)
- Dec 28 Ice Storm Hotwash (Baker)
- Finalize Repatriation Plan - (Baker/Weber)
- Work on developing State COOP (ongoing)-(Baker/Weber)
- Flint Water (Weber/Pepper/Baker/Sobocinski)
- HMGP 4195 Application review and processing - ongoing (Schnepp/Pepper)
- NEMIS entry - HMGP 4195 applications - ongoing (Schnepp & Pepper)
- FY16 Q1 reports for HMA (Schnepp & Pepper)
- Direct assistance to the Branch County Hazard Mitigation Plan. (Graham)
- Thursday NEMA webinar on cyber-attack, 2pm (Sobocinski/Baker/Weber)
- Revise MI-CEMKR PowerPoint (Sobocinski)
- Coordinate with Monroe County jurisdictions on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- Climate Change presentation (Sobocinski)

External Meetings:

- MCSC – Disaster Response/Long Term Recovery Protocols - Wed - (Baker/Weber)
- DTMB - possible mitigation project at secondary complex – Mon - (Schnepp/Pepper/Katarsky)

Areas of Concern:

- None

State Planning Unit Activities – Week of: 2015-01-11

Section Update:

- Move to the 7150. (All SPU)

Key Activities:

- Finalize pending AAR's (ongoing) – (Baker)
- Finish EMAC Pre-Training-(Baker)
- Develop and revise 2015 State Wide Severe winter weather AAR- (Baker)
- Dec 28 Ice Storm Hotwash (Baker)
- Finalize Repatriation Plan - (Baker/Weber)
- Work on developing State COOP (ongoing)-(Baker/Weber)
- Flint Water (Weber/Pepper)
- Direct assistance to the Branch County Hazard Mitigation Plan. (Graham)

External Meetings:

- MCSC – Disaster Response/Long Term Recovery Protocols - Wed (Baker/Weber)

Areas of Concern:

- None

PROCLAMATION

DECLARATION OF ~~DISASTER~~EMERGENCY

WHEREAS, Section 1 of Article V of the Michigan Constitution of 1963 vests the executive power of the state of Michigan in the Governor; and

WHEREAS, under the Emergency Management Act, Act No. 390 of the Public Acts of 1976, as amended, MCL 30.401 to 30.421, the Governor is responsible for coping with dangers to this state or the people of this state *presented by a disaster or emergency or threat thereof, and may issue executive* orders, proclamations, and directives having the force and effect of law to implement the Act; and

WHEREAS, under Section 3 of the Emergency Management Act, 1976 Public Act 390, MCL 30.403, the Governor shall, by executive order or proclamation, declare a state of disaster if the Governor finds that a disaster has occurred or that the threat of a disaster exists; and

WHEREAS, ~~over the course of 2014~~on April 25th 2014 the City of Flint Michigan switched to the Flint River as a water source ~~and 2015, ,~~the deleterious effects of corrosive water struck the ~~City of Flint, Michigan's~~city's water infrastructure, causing significant leaeching of lead into the water~~, causing~~ which caused extensive damage to the water system and negative health impacts to the citizens; and

Formatted: Superscript

WHEREAS, *the area affected includes* the *entire* City of Flint, within the Ceounty of Genesee; and

WHEREAS, the damaged water infrastructure and leaechingunleashing of toxic lead into the city's water caused widespread ~~and severe~~ damage to public and private water infrastructure, elevated blood lead levels in humans and potentially pets, especially in the population of children and pregnant women, and causing an immediate threat to public health and safety and disrupting vital community services; and

WHEREAS, from October 1, 2015 to this date, the County of Genesee and the City of Flint have taken a number of actions to cope with the situation, including but not limited to switching back to Detroit Water and Sewerage on October 16th, declaring local states of emergency and a public health

emergency, activating the disaster response and recovery aspects of their emergency operations plan, marshaling and distributing required resources on a city-wide level, and issuing emergency public information and bulletins; and

WHEREAS, local resources have been insufficient to address the situation, and additional assistance from voluntary organizations and the state is required to protect public health, safety, and property, and to lessen or avert the threat of more severe and long lasting impacts to the community;

NOW, THEREFORE, I, RICHARD D. SNYDER, Governor of the State of Michigan, pursuant to the Constitution of the State of Michigan and provisions of Act No. 390 of the Public Acts of 1976, as amended, do hereby proclaim that a state of disaster exists in the aforementioned county and municipality; and

FURTHER, the Emergency Management and Homeland Security Division of the Department of State Police shall coordinate and maximize all state efforts, and may call upon all state departments to utilize resources at their avail to assist in the disaster area pursuant to the Michigan Emergency Management Plan; and

FURTHER, termination of this disaster will occur at such time as the threats to public health, safety, and property caused by the disaster no longer exist and appropriate programs have been implemented to recover from the effects of this disaster, but in no case longer than February 3, 2016, unless extended as provided by Act No. 390.

Given under my hand and the
Great Seal of the State of Michigan this
6th day of January in the Year of Our
Lord, Two Thousand and Sixteen.

RICHARD D. SNYDER
GOVERNOR

BY THE GOVERNOR:

SECRETARY OF STATE

PROCLAMATION

DECLARATION OF DISASTER

WHEREAS, Section 1 of Article V of the Michigan Constitution of 1963 vests the executive power of the state of Michigan in the Governor; and

WHEREAS, under the Emergency Management Act, Act No. 390 of the Public Acts of 1976, as amended, MCL 30.401 to 30.421, the Governor is responsible for coping with dangers to this state or the people of this state presented by a disaster or emergency or threat thereof, and may issue executive orders, proclamations, and directives having the force and effect of law to implement the Act; and

WHEREAS, under Section 3 of the Emergency Management Act, 1976 Public Act 390, MCL 30.403, the Governor shall, by executive order or proclamation, declare a state of disaster if the Governor finds that a disaster has occurred or that the threat of a disaster exists; and

WHEREAS, over the course of 2014 and 2015, the deleterious effects of corrosive water struck the City of Flint, Michigan's water infrastructure, causing significant leeching of lead into the water, causing extensive damage and negative health impacts; and

WHEREAS, the area affected include the entire City of Flint, within the county of Genesee; and

WHEREAS, the damaged water infrastructure and unleashing of toxic lead into the city's water caused widespread and severe damage to public and private water infrastructure, elevated blood lead levels in humans and potentially pets, especially in the population of children and pregnant women, and causing an immediate threat to public health and safety and disrupting vital community services; and

WHEREAS, from October 1, 2015 to this date, the County of Genesee and the City of Flint have taken a number of actions to cope with the situation, including but not limited to declaring local states of emergency and a public health emergency, activating the disaster response and recovery aspects of their emergency operations plan, marshaling and distributing required resources on a city-wide level, and issuing emergency public information; and

WHEREAS, local resources have been insufficient to address the situation, and additional assistance from voluntary organizations and the state is required to protect public health, safety, and property, and to lessen or avert the threat of more severe and long lasting impacts to the community;

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Great Seal of the State of Michigan this
6th day of January in the Year of Our
Lord, Two Thousand and Sixteen.

RICHARD D. SNYDER
GOVERNOR

BY THE GOVERNOR:

SECRETARY OF STATE

Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 12, 2016 12:33
To: Weber, Thomas (MSP)
Subject: RE: Flint

Ok. I should have this info, plus the morning briefing notes, done and sent out by 2pm.

From: Weber, Thomas (MSP)
Sent: Tuesday, January 12, 2016 12:17 PM
To: Sobocinski, Mike (MSP)
Subject: Flint

Mike,

I need to get a draft letter to Cap by the end of the day. I need the Genesee demographic numbers in this table as soon as you can provide them, thanks much!

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County						
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile: 517-242-3671

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Katarsky, Anthony (MSP)
Sent: Tuesday, January 12, 2016 11:01
To: Weber, Thomas (MSP)
Subject: Declaration Request

Please review. I will stop by to discuss.

Following are our needs to be directed to FEMA in our request for a Presidential request for emergency declaration.

Water

- While we are currently keeping ahead, the long term outlook is far from certain in terms of what demand will be given the level of governmental distrust. We have transitioned from donated water to purchasing water, but are required to have a balanced budget by law. Over the long haul, the cost of water combined with costs of filters, filter cartridges, and water test kits is not known and will likely end up as a large cost in the end. Each truckload costs $5500.

Filters

- Until issues with the Flint water distribution system are fully addressed, we must continue to provide filters and replacement cartridges to the public. Filters average $25; cartridges average $20. This will be a large cost.

Water Test Kits

- Our short term goal is to test every household on the water distribution system. This demand will decline, but not stop. This will be a long term continuing cost. The cost of each test is $26.

Personnel

- While activity will eventually decline, it is not possible to gauge when this will occur. We cannot sustain long term operations without assistance. We should consider EMAC to address this need. I estimate this will cost $75,000 for 10 personnel for one month of operation. Personnel will assist with SEOC operations and with logistics of securing additional resources to defray costs through donations.
- There is a fundamental distrust of government in the city of Flint, especially where state government is involved. A major hurdle will be reestablishing public trust to a point where there is confidence in water quality. The USEPA and USHHS will need to engage both short and long term to convince residents tap water is safe to consume.

If a Presidential disaster declaration is requested, the following information must be submitted.

- The city of Flint has submitted an estimate for the entire water distribution system ($780 Million)
- We need to develop a plan for long term health assessment and treatment. I have requested a preliminary cost assessment from MDHHS.

Anthony P. Katarsky
Assistant Division Commander
Michigan State Police
Emergency Management and Homeland Security Division
517-336-2686

Weber, Thomas (MSP)

From: Halliday, Kathryn <Kathryn.Halliday@fema.dhs.gov>
Sent: Tuesday, January 12, 2016 10:57
To: Weber, Thomas (MSP); Moran, Regina
Cc: Baker, Zachary (MSP); Bresler, Amanda (MSP)
Subject: RE: water

That's a fantastic idea - I should've thought of that, too! ;)

The first name that comes to mind is Ken Skalitzky. This should be a familiar name to you, but I'm not sure how closely worked with him. Ginna knows him well. He's a long-time former FEMA VAL from our busy states in Region 4 (Atlanta), and now the Director of Volunteer Florida - the state's lead for Volunteer Coordination. As an added bonus, between jobs he led the All Hands mission in Detroit for many months early on, and he's from Michigan so he knows the state well.
ken@volunteerflorida.org
- cell

If you want to keep it in-region and build relationships, Dennis Walter from MN HSEM would be your best bet. He's been a state "VAL" for a long time and is particularly good with state/VOAD coordination and information sharing.
Dennis.walter@state.mn.us
- cell

Michelle Hanneken in IL would be a great choice but she's busy here with flooding.

Some of the other go-to State VALs that I'm familiar with around the country have recently retired, are busy with activity in their states, or training over the next few weeks. If you are uncomfortable with either of the choices above for any reason, or they're not available, let me know and I'll reach out to our VAL cadre for suggestions.

Katie Halliday, M.S.W.
DHS FEMA Region V | Voluntary Agency Liaison
536 South Clark Street 6th Floor | Chicago IL 60605
312.408.5358 desk
mobile
Kathryn.halliday@fema.dhs.gov

-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Tuesday, January 12, 2016 8:36 AM
To: Halliday, Kathryn <Kathryn.Halliday@fema.dhs.gov>; Moran, Regina <Regina.Moran@fema.dhs.gov>
Cc: Baker, Zachary (MSP) <BakerZ@michigan.gov>; Bresler, Amanda (MSP) <BreslerA@michigan.gov>
Subject: RE: water

If we were to EMAC someone in from the outside (or if there was a voluntary/VOAD person), who comes to mind as the best SVAL or similar in the region?

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division Michigan State Police

4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

-----Original Message-----
From: Halliday, Kathryn [mailto:Kathryn.Halliday@fema.dhs.gov]
Sent: Tuesday, January 12, 2016 9:29 AM
To: Moran, Regina; Weber, Thomas (MSP)
Cc: Baker, Zachary (MSP); Bresler, Amanda (MSP)
Subject: RE: water

Hi Tom,

Thanks for the info below - it's really helpful. A few additional thoughts come to mind. It may be possible for the Adventists to come in and take over warehouse management, tracking and inventory - this is their area of expertise. It would free up some of the Red Cross volunteers to help with distribution, and meet the needs you have at the state level.

I will be on the NVOAD Disaster Health Committee call and will put some feelers out to these partners. If you have a minute to peruse, attached is a draft of the resources available through these partner agencies. As always, they may be flexible and responsive to unique situations like Flint as well.

What I would suggest as your best option to bring visibility, coordination and resources into the area would be to talk to Ken about setting up a joint State/MI VOAD call which we can blast out to the State and National VOAD network. The fact that you have specific "asks" at the state level, and situational awareness that you can share is super helpful to the partners. Fully ground-truthed or not, any information is better than none, and you guys are in the best position to describe the situation and needs.

Let me know what you think. Jeannie & I would be happy to get the word out and invite partners on a call.

Katie Halliday, M.S.W.
DHS FEMA Region V | Voluntary Agency Liaison
536 South Clark Street 6th Floor | Chicago IL 60605
312.408.5358 desk
mobile
Kathryn.halliday@fema.dhs.gov

-----Original Message-----
From: Moran, Regina
Sent: Tuesday, January 12, 2016 8:11 AM
To: Weber, Thomas (MSP) <WeberT1@michigan.gov>; Halliday, Kathryn <Kathryn.Halliday@fema.dhs.gov>
Cc: Baker, Zachary (MSP) <BakerZ@michigan.gov>; Bresler, Amanda (MSP) <BreslerA@michigan.gov>
Subject: RE: water

Thanks for this, Tom.

Katie is going to reach out to the Disaster Health Committee for NVOAD to see what's possible. As for long-term needs, I think you're right to think of All Hands, Mennonites, etc. Is Ken looped into all of this?

More soon!

Jeannie Moran
Voluntary Agency Liaison
FEMA Region V
Regina.Moran@fema.dhs.gov

-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Monday, January 11, 2016 5:32 PM
To: Moran, Regina; Halliday, Kathryn
Cc: Baker, Zachary (MSP); Bresler, Amanda (MSP)
Subject: RE: water

Tomorrow morning would be almost impossible. It's our planning day, and I'm the planning chief rather than the VAL, which we don't technically have at this point (me and Richard and Zach amongst our other duties).

I could probably make either Zach or Amanda Bresler available for a call. They've been working mostly on the resources and tracking, but we're getting very little good data from the field.

There are a few areas where I can see needs: the most pressing being acquisition and distribution of water. We have five fire stations and some secondary distribution points, plus city hall and the water department itself.

We also have limited people with any sort of logistical experience to help track inventory and report out when trigger points to order more water has been reached. There's currently one main distribution warehouse, and they are also short staffed, but that's where the Red Cross logistics team will report.

The care dogs might deploy, and there will be a lot of long term case management for health care and lead poisoning, but I don't know if the medical side of things would be practical at all for any voluntary organizations other than those that are long term parts of the community.

Also, there are faucet replacement programs and eventually replacing pipes in the homes, that will be interesting, but it might end up being something some of the groups like All Hands, Southern Baptists or Mennonites might be able to help with?

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

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From: Moran, Regina [Regina.Moran@fema.dhs.gov]
Sent: Monday, January 11, 2016 18:10
To: Weber, Thomas (MSP); Halliday, Kathryn
Cc: Baker, Zachary (MSP)
Subject: RE: water

Hey Tom,

Let us do a little research. What kind of needs short and long-term are there that voluntary agencies might help with.

Any chance we could grab you for a phone call tomorrow morning? We want to get a better idea of what's going on out there so we can try to find you some help.

Jeannie Moran
Voluntary Agency Liaison
FEMA Region V
Regina.Moran@fema.dhs.gov

-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Monday, January 11, 2016 5:03 PM
To: Moran, Regina; Halliday, Kathryn
Cc: Baker, Zachary (MSP)
Subject: water

well, Michigan's at it again. Have you gotten any requests from Ginna, Richard, or Ken?
We're struggling with water supply. Red Cross is going to bring in a warehouse management team. They are also setting up a VRC. I think we're beginning to get water rolling in on a more continual basis, but I'm curious what might be out there for water, distribution, canvassing??

Also, do any VOAD members to MEDICAL case management?

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

Weber, Thomas (MSP)

From: Halliday, Kathryn <Kathryn.Halliday@fema.dhs.gov>
Sent: Tuesday, January 12, 2016 09:29
To: Moran, Regina; Weber, Thomas (MSP)
Cc: Baker, Zachary (MSP); Bresler, Amanda (MSP)
Subject: RE: water
Attachments: Disaster Health Committee Resource Guide Nov2015_FINAL.DOCX

Hi Tom,

Thanks for the info below - it's really helpful. A few additional thoughts come to mind. It may be possible for the Adventists to come in and take over warehouse management, tracking and inventory - this is their area of expertise. It would free up some of the Red Cross volunteers to help with distribution, and meet the needs you have at the state level.

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Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

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Sent: Monday, January 11, 2016 18:10
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Cc: Baker, Zachary (MSP)
Subject: RE: water

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Jeannie Moran
Voluntary Agency Liaison
FEMA Region V
Regina.Moran@fema.dhs.gov

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To: Moran, Regina; Halliday, Kathryn
Cc: Baker, Zachary (MSP)
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Also, do any VOAD members to MEDICAL case management?

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

Weber, Thomas (MSP)

From: Bays <baysjr@hotmail.com>
Sent: Tuesday, January 12, 2016 00:18
To: kcronin@powerscatholic.org; Weber, Thomas (MSP); Victoria L. Fryer
Cc: Justin.Bays2@redcross.org; Dave Gutierrez; Linda Cieciek; Linda Dintenfass
Subject: Re: Volunteer assistance with Flint water

Tom,

Thank you for the introduction to Casey. I hope you are well.

Casey,

It is a pleasure to meet you. We are indeed in need of volunteers to staff current and future projects. In fact, we are in need of 26 new volunteers for tomorrow's evening shift distributing at the five designated fire station sites to accommodate the increase of demand.

Our point of contact for volunteer interest is Victoria Fryer. Victoria will be able to answer your volunteer engagement questions.

Thank you for your interest. I hope to meet you soon.

Kind regards,

Justin Bays

> On Jan 11, 2016, at 6:46 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:
>
> Kasey/Justin,
>
> Thanks Kasey for the response and the offer of assistance. I spoke with Paul Spata, our Red Cross representative here in Lansing, and asked who prospective volunteers could contact there in Flint. Justin, he said you are the volunteer coordinator boots on the ground right now.
>
> Kasey, Red Cross will be establishing a volunteer reception center in the next day or two, and there are things I am pretty sure for which help is needed (staffing the reception center, helping with water distribution or logistical support (inventory) at water resource sites, canvassing/helping distribute information, water, filters, and test kits (at parishes? SVDP locations?). So it could be a mix of "office" jobs, warehouse jobs, and moving inventory jobs, that could also be good for either individuals or teams.
>
> Kasey's number is 810-240-3471 and Justin's number is 313-402-3691.
>
> Thanks again for all your interest and willingness to help!
>
> Tom Weber
> State Planning Unit Manager
> Emergency Management and Homeland Security Michigan State Police
>

Weber, Thomas (MSP)

From: Kelenske, Chris (MSP)
Sent: Monday, January 11, 2016 20:33
To: MSP-SEOCGIS2
Cc: MSP-SEOCGIS; Weber, Thomas (MSP)
Subject: RE: ArcGIS Online Collector App

Can you identify if the home is vacant, etc with another dot color?

From: MSP-SEOCGIS2
Sent: Monday, January 11, 2016 7:10 PM
To: Kelenske, Chris (MSP)
Cc: MSP-SEOCGIS; Weber, Thomas (MSP)
Subject: ArcGIS Online Collector App

Hello Sir,

During the meetings we had on Friday with the local GIS staff we determined that ArcGIS Online is an ideal mechanism to share and exchange GIS data related to this incident. As such, we have begun configuring apps and data to be put into the City of Flint's ArcGIS Online web page (http://flint.maps.arcgis.com/home).

This is a cloud based service with many powerful features that all participating GIS specialists can manage through our desktop GIS software. The core functions of ArcGIS Online are:

- The ArcGIS Online website (seen above): Used to build and share apps
- ESRI Maps for Office: Directly links excel data to ArcGIS online to allow users to keep spreadsheets and publish them for sharing The ArcGIS
- Explorer App: Same as website for all major mobile devices
- The ArcGIS Collector App: Specialized app for field data collection
- The ArcGIS Operations Dashboard: Customizable interface to pull metrics from any data being entered into ArcGIS online

Tomorrow we will begin using the Collector App to survey the public and will be getting real time metrics through the site from the field. They are currently utilizing Flint's cache of mobile devices (30 Android Tablets), but to reiterate, any mobile device could be used in the future. We have already configured an operational dashboard for tracking which will be displayed in the SEOC. We can make a link to this site available to anyone else who needs it.

Right now all of the data is secured to the logins and cannot be viewed by the public. That said, it is very easy to setup apps in this tool and any and all the data within can be shared with the citizens of Flint with limited effort.

I imagine there will be some issues that arise during tomorrows usage of these tools, but I think we need to remain diligent about collecting clean digital data and avoid paper forms if at all possible.

As a last note, we have also submitted a request to ESRI (vendor for ArcGIS Online) for professional support. They often offer services for free during emergencies. I'll let you know what other tools they think they can bring to the table as they present them.

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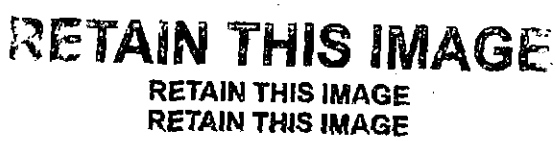
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Weber, Thomas (MSP)

From: MSP-SEOCGIS2
Sent: Monday, January 11, 2016 19:10
To: Kelenske, Chris (MSP)
Cc: MSP-SEOCGIS; Weber, Thomas (MSP)
Subject: ArcGIS Online Collector App

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- The ArcGIS Operations Dashboard: Customizable interface to pull metrics from any data being entered into ArcGIS online

Tomorrow we will begin using the Collector App to survey the public and will be getting real time metrics through the site from the field. They are currently utilizing Flint's cache of mobile devices (30 Android Tablets), but to reiterate, any mobile device could be used in the future. We have already configured an operational dashboard for tracking which will be displayed in the SEOC. We can make a link to this site available to anyone else who needs it.

Right now all of the data is secured to the logins and cannot be viewed by the public. That said, it is very easy to setup apps in this tool and any and all the data within can be shared with the citizens of Flint with limited effort.

I imagine there will be some issues that arise during tomorrows usage of these tools, but I think we need to remain diligent about collecting clean digital data and avoid paper forms if at all possible.

As a last note, we have also submitted a request to ESRI (vendor for ArcGIS Online) for professional support. They often offer services for free during emergencies. I'll let you know what other tools they think they can bring to the table as they present them.

VR

James Tchorzynski

Weber, Thomas (MSP)

From: MSP-seoclgc
Sent: Monday, January 11, 2016 17:38
To: Kelenske, Chris (MSP); Yount, Jane (MSP); Lisabeth, Nicole (MSP); Hawks, Trevor (MSP); Hampton, Jacqueline (MSP); Covey, Gabriel (MSP); Briggs, Brianna (MSP); Davis, Kristi (MSP); Georgopoulos, Carly (MSP); Barcroft, Jaclyn (MSP); Gilsdorf, Michelle (MSP); Weber, Thomas (MSP); Bresler, Amanda (MSP); Baker, Zachary (MSP); Tchorzynski, James (MSP); Anderson, Nikkia (MSP); Kuzera, Michelle (MSP); McCormick, Matthew (MSP); Chomentowski, Walter (MSP); Hollaender, Henrik (MSP); Eickholt, Jay (MSP); McCarthy, Joyce (MSP); Nobach, Tonya (MSP)
Cc: MSP-SEOCOPSC; plangc; Katarsky, Anthony (MSP)
Subject: UPDATE: SEOC Schedule for Jan. 11-15

Importance: High

Effective immediately, hours of operation are 8 a.m. to 8 p.m. If there is any conflict in your schedule this week, please let your section chief know, or notify the Logistics Section chief to work on getting you a substitute. The schedule for the week will be posted by the sign-in sheet in the SEOC in case you no longer have the spreadsheet.

Thanks Wendy

State Emergency Operations Center
Logistics Section Chief
517-333-7767

From: MSP-seoclgc
Sent: Sunday, January 10, 2016 6:07 PM
To: Kelenske, Chris (MSP); Yount, Jane (MSP); Lisabeth, Nicole (MSP); Hawks, Trevor (MSP); Hampton, Jacqueline (MSP); Covey, Gabriel (MSP); Briggs, Brianna (MSP); Davis, Kristi (MSP); Georgopoulos, Carly (MSP); Barcroft, Jaclyn (MSP); Gilsdorf, Michelle (MSP); Weber, Thomas (MSP); Bresler, Amanda (MSP); Baker, Zachary (MSP); Tchorzynski, James (MSP); Anderson, Nikkia (MSP); Kuzera, Michelle (MSP); McCormick, Matthew (MSP); Chomentowski, Walter (MSP); Hollaender, Henrik (MSP); Eickholt, Jay (MSP); McCarthy, Joyce (MSP); Nobach, Tonya (MSP)
Cc: MSP-SEOCOPSC; MSP-seoclgc; plangc; Katarsky, Anthony (MSP)
Subject: SEOC Schedule for Jan. 11-15
Importance: High

Good afternoon,

If you are receiving this email, it is because you have been assigned to work in the SEOC this week for the Flint Water Emergency. Attached is the staff assignment list. Please find your name and report to your assignment at 8 a.m. tomorrow (1/11) morning. The hours are 8 a.m. to 5 p.m. Lunch will be provided.

My cell number is

Thank you,

Wendy

Weber, Thomas (MSP)

From: Cronin, Kasey <kcronin@powerscatholic.org>
Sent: Monday, January 11, 2016 16:11
To: Weber, Thomas (MSP)
Subject: Re: FW: Flint Schools

Tom,

Thank you for checking with me. We have three schools who are on Flint water. They are Powers Catholic High School (grades 9 - 12), St. John Vianney (Pre-school - 8th grade) and St. Pius X (Pre-school - 8th grade). At this time, we have secured enough bottled water for the time being.

In terms of a St. Vincent dePaul contact person, I do not have that information. However, I can certainly find out or provide the names of other service organizations that would be willing to help. Please let me know if you would like that information.

Of course our Genesee County Catholic Schools would be honored to assist in any work you may need assistance with.

Sean provided you with me work phone number. I am usually in buildings, so please feel free to contact me on my cell phone.

Sincerely,

Kasey V. Cronin
Executive Director,
Genesee County Catholic Schools

On Mon, Jan 11, 2016 at 3:57 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:
Hi Kasey,

Sean recommended I get in touch with you. I just wanted to see if the schools were being reached out to, and if you had what you need relative to Flint's water emergency. I was also curious if you might have a good St. Vincent de Paul contact that we could get in touch with about helping to distribute donated water?

Tom Weber
State Planning Unit Manager

Emergency Management and Homeland Security
Michigan State Police

From: Sean Costello [scostello@dioceseoflansing.org]
Sent: Monday, January 11, 2016 15:49
To: Weber, Thomas (MSP)
Subject: RE: Flint Schools

Tom,

Thank you for checking in with me. I apologize for not getting back with you sooner. Right now we have three schools that are on Flint water. In each location we have been receiving donations of bottled water to give to students and staff, so we are in good shape. I couldn't tell you how stocked up they are though. The best person to speak to regarding this would be Kasey Cronin, Executive Director for Genesee County Catholic Schools. She is our "boots on the ground" administrator in that region and she will have better answers for you. She can be reached at 810-240-3471 or at kcronin@powerscatholic.org

If you have any questions or would like a further explanation from me, don't hesitate to ask. I hope this helps. Thank you for all you do.
God bless,

Sean Costello
Superintendent
Diocese of Lansing
228 N. Walnut St.
Lansing, MI
48933
(517) 342-2483
Fax: (517) 342-2468

-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Friday, January 08, 2016 2:40 PM
To: Sean Costello
Subject: Flint Schools

Good afternoon Sean,

I'm Father Mattson's soon to be former business manager at Res. But I'm currently with the Michigan State Police Emergency Management. Since Governor Snyder's proclamation of a State of Emergency on Tuesday, we're coordinating response and recovery activities. I wanted to check in with you and see if you've been getting all the support/communication you need from the Department of Education or otherwise on the needs the schools in Flint may have relative to emergency water and testing.

Please let me know if you need anything.

Sincerely,

Tom Weber
State Planning Unit Manager

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State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

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Weber, Thomas (MSP)

From: Bouters, Janese (DHHS)
Sent: Monday, January 11, 2016 15:49
To: Anderson, Paula (DHHS); Barr, Jacqui (DHHS); Becker, Timothy (DHHS); Bruneau, Michelle (DHHS); CDevriendt@co.genesee.mi.us; Colston, Leslie (DHHS); DeMyers, Deborah (DHHS); Dykema, Linda D. (DHHS); Edwards, Cynthia (DHHS); Eggleston, Debbie (DHHS); Eisner, Jennifer (DHHS); Fink, Brenda (DHHS); Granger, Patricia (DHHS); Grijalva, Nancy (DHHS); Groetsch, Kory J. (DHHS); Harvey, Janice (DHHS); Hertel, Elizabeth (DHHS); Kaiser Van Dam, Paula (DHHS); Lasher, Geralyn (DHHS); Lyon, Nick (DHHS); McKane, Patricia (DHHS); Miller, Corinne (DHHS); Miller, Mark (DHHS); Minicuci, Angela (DHHS); Moran, Susan (DHHS); MVALACAK@gchd.us; Peeler, Nancy (DHHS); Priem, Wesley F. (DHHS); Priest, Chris (DHHS); Ridley, Nancy (DHHS); Robinson, Mikelle (DHHS); Rockefeller, Cheryl (DHHS); Scott, Jackie (DHHS); Shah, Sandip (DHHS); Sims, Teri (DHHS); Stanbury, Martha (DHHS); Stiffler, Kathleen A. (DHHS); Taylor, Kerri (DHHS); Thompson, Sheryl D. (DHHS); Titus, Laura (DHHS); tlarocco@gchd.us; Travis, Rashmi (DHHS); Turner, Jane (DHHS); Weber, Thomas (MSP); Wells, Eden (DHHS)
Subject: Flint Briefing 08Jan16
Attachments: 2016-01-08 - Flint Lead MDHHS Sitrep.pdf

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

Weber, Thomas (MSP)

From: Bresler, Amanda (MSP)
Sent: Monday, January 11, 2016 15:47
To: Johnson, Michael (MSP)
Cc: Weber, Thomas (MSP)
Subject: Corporate Contact for Donations

Hi Mike,

Tom said you had some great corporate contacts that could possibly help us with gathering water. Could you possibly send me some POCs that we could reach out to.

Thanks!

Amanda M. Bresler
MSP/EMHSD
Cell:

Sent from my iPhone

Weber, Thomas (MSP)

From: *Sobocinski, Mike (MSP)*
Sent: Monday, January 11, 2016 14:42
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: RE: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 11.docx

Attached is the new document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Burger, Penelope (MSP)
Sent: Monday, January 11, 2016 13:24
To: Kelenske, Chris (MSP); Katarsky, Anthony (MSP); Covey, Gabriel (MSP); Hampton, Jacqueline (MSP); Galbreath, Wendy (MSP); Nobach, Tonya (MSP); Kuzera, Michelle (MSP); Weber, Thomas (MSP); Wolfinger, Carol (MSP); Brown, Don (MSP); Martinez, Mark (MSP); Mark, Kevin (MSP); McQueen, Nate (MSP); Roach, Billie Jo (MSP); Russo, Mark (MSP); High, Kenneth (MSP); Decastro, Michael (MSP); MSP-seoclgc; MSP-SEOCOPSC; MSP-seocfgc; plangc
Cc: Garza, Oralya (MSP); Strobel, Pamela (MSP)
Subject: NWS Webinar - Update
Attachments: 20160111_Winter_Weather_January_11_through_12_2016.pdf

Status from the 1:00 pm webinar with NWS from GR – Weather for next 24 – 36 hours (January 11th and 12th):

Conditions with this system will be very different from the last front that went through late last week. This storm will bring:

- VERY HAZARDOUS TRAVEL beginning Monday late afternoon/evening and continuing through the day on Tuesday.
- Monday evening and both Tuesday commutes are expected to be heavily impacted with rapidly changing road conditions and visibility.
- Light and fluffy snow, blowing snow and times of white out conditions are likely.
- Very cold air continues – time to frostbite of exposed skin is less than 30 minutes.
- North/South roads are expected to have the worst conditions due to blowing snow across treated roadways.
- Winds expected to be 15 to 25 mph with gust of around 30 mph.
- Worst of the conditions expected between 8 pm Monday through 4 pm on Tuesday.
- Many cancellations and closures are expected.
- Greatest snowfall amounts expected along the Lake Michigan shoreline where they could see in excess of 1 foot of snow.
- East of Battle Creek will see less snowfall with the Lansing and Flint areas looking at 2 to 4 inches; possibly more localized.
- Snow near the lakeshore could continue into Wednesday.

Our favorite meteorologist Jim finished up by emphasizing "Incredibly Hazardous Travel" is the biggest concern.

Slide deck is attached and likely will be uploaded into MI CIMS by NWS.

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police
Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046
Cell:

Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Monday, January 11, 2016 12:46
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 11 to 15:
Section updates:
- 3 hours of Annual leave Tuesday, January 12, starting 2pm (Sobocinski)

Key Activities:
- Work to follow-up on Flint emergency declaration: draft declaration request draft text (Sobocinski, Baker)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- Thursday NEMA webinar on cyber-attack, 2pm (Sobocinski, Baker)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Next week, January 18 to 22:
Section Updates:
- 3 hours of Annual leave Tuesday, January 19, starting 2pm (Sobocinski)

Key Activities:
- Work to follow-up on Flint emergency declaration: draft declaration request draft text (Sobocinski, Baker)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- Thursday am Allegan County RiskMap kickoff conference call (Sobocinski)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Weber, Thomas (MSP)

From: Tchorzynski, James (MSP)
Sent: Saturday, January 09, 2016 09:14
To: Weber, Thomas (MSP)
Cc: MSP-SEOCGIS
Subject: Rough Draft of GIS Update for Past Operational Period
Attachments: 20160108 Operational Period Synopsis for GIS.docx

Hey Tom,

Attached is a draft update from GIS indicating accomplishments from the previous operational period and planned action items for the upcoming operational period.

It includes notes from the visit.

There are a lot of key items that need to be discussed from the action items as they may require additional resources to bring to fruition.

The key note for us is making sure the work we do sets up the locals for long term success by synching it with existing local GIS resources.

I typed this up very quickly, so please let me know if you have any comments or questions. I tried to keep it brief for command, so let me know if you want more detail in any specific area.

VR

Weber, Thomas (MSP)

From: Kelenske, Chris (MSP)
Sent: Friday, January 08, 2016 20:09
To: Weber, Thomas (MSP)
Cc: plangc; Katarsky, Anthony (MSP); Hampton, Jacqueline (MSP)
Subject: Re: Flint Water Daily Update

I got it. Thanks

Sent from my iPhone

On Jan 8, 2016, at 7:45 PM, Weber, Thomas (MSP) <WeberT1@michigan.gov> wrote:

> Planning hadn't received finalized info on that. I believe it was still in progress.
>
> Sent from my iPhone
>
> On Jan 8, 2016, at 18:39, Kelenske, Chris (MSP) <KelenskeC@michigan.gov> wrote:
>
> > I do not see anything on the fire station or church items. Also, did any water go to the POD my arc or anyone?
> >
> > Sent from my iPhone
> >
> > On Jan 8, 2016, at 6:34 PM, plangc <plangc@michigan.gov> wrote:
> >
> > > Captain,
> > >
> > > Here is a summary of today's activities – in addition to the notes sent to you by Jackie Hampton/Operations Section Chief earlier:
> > >
> > > **Command and General Staff Accomplishments:**
> > > - Recovery Branch is working to develop an enhanced method for outreach to all individuals.
> > > - DHHS is working to develop a method for distribution of water.
> > > - Mr. Katarsky conducted briefing with local EOC and Chris DeVriendt.
> > > - Mr. Weber conducted briefing with state agencies (daily updates).
> > > - Held first legislative call today.
> > > - JIC continued to develop messaging and has implemented a co-located JIC in the City of Flint.
> > > - Deployed 3 EMHSD/SEOC liaisons to assist the local EOC.
> > > - MCSC representative deployed to assist in the local EOC as well.
> > > - Worked on developing incident objectives for the next operational period.
> > > - FEMA Liaison Officers are on site at the SEOC and are assisting and providing technical expertise as needed.
> > >
> > > **EMHSD GIS Accomplishments:**

Accomplished Today (January 8):

- Produced Water Point of Distribution Map (POD).
- Produced Filter Point of Distribution Map (POD).
- Met with Genesee County Emergency Manager to discuss POD locations, and hours of operation. He will also be sending us data on new facilities serving as POD's with hours of operations.
- Attempted to geocode list of properties that have received a water filtration system. Geocoding encountered a problem due to original database format. We continue to clean up the database. The GIS Leader visited Flint and will prepare a memo this evening explaining some of the difficulties discovered and some ideas for work arounds or solutions.
- Attempted to get data on the zip codes. It will be more effective to use parcel info to cross reference with zip codes.
- U of M contacted us to set up a meeting on how best to proceed with digitizing water lines.
- Received account from City of Flint for their ArcGIS online.

Tasks for Tomorrow (January 9):

- Finalize updated list on water filter distributions map.
- Update Water and Filter POD's with updated information from Genesee County Emergency Manager.
- Establish time to meet with U of M.
- Finalize water filter distributions map.
- Finalize plan for data distribution methods.

Volunteer and Donations Management:

- SEOC staff, Local EOC, and local organizations had a call with General Motors about possible donations.
- MCSC has been working on this event for a while through United Way and 211. They will begin providing situation reports and updates through MDHHS.

Please let me know if there's anything else you need. I will be in at 8am.

V/R,
Tom Weber

Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

Weber, Thomas (MSP)

From: Weber, Thomas (MSP)
Sent: Friday, January 08, 2016 19:46
To: Kelenske, Chris (MSP)
Cc: plangc; Katarsky, Anthony (MSP); Weber, Thomas (MSP); Hampton, Jacqueline (MSP)
Subject: Re: Flint Water Daily Update

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From: Kelenske, Chris (MSP)
Sent: Friday, January 08, 2016 18:39
To: plangc
Cc: Katarsky, Anthony (MSP); Weber, Thomas (MSP); Hampton, Jacqueline (MSP)
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Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

Weber, Thomas (MSP)

From: plangc
Sent: Friday, January 08, 2016 18:34
To: Kelenske, Chris (MSP)
Cc: Katarsky, Anthony (MSP); Weber, Thomas (MSP)
Subject: Flint Water Daily Update

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- Produced Filter Point of Distribution Map (POD).
- Met with Genesee County Emergency Manager to discuss POD locations, and hours of operation. He will also be sending us data on new facilities serving as POD's with hours of operations.
- Attempted to geocode list of properties that have received a water filtration system. Geocoding encountered a problem due to original database format. We continue to clean up the database. The GIS Leader visited Flint and will prepare a memo this evening explaining some of the difficulties discovered and some ideas for work arounds or solutions.
- Attempted to get data on the zip codes. It will be more effective to use parcel info to cross reference with zip codes.
- U of M contacted us to set up a meeting on how best to proceed with digitizing water lines.
- Received account from City of Flint for their ArcGIS online.

Tasks for Tomorrow (January 9):

- *Finalize updated list on water filter distributions map.*
- Update Water and Filter POD's with updated information from Genesee County Emergency Manager.
- Establish time to meet with U of M.
- Finalize water filter distributions map.
- Finalize plan for data distribution methods.

Volunteer and Donations Management:

- *SEOC staff, Local EOC, and local organizations had a call with General Motors about possible donations.*
- MCSC has been working on this event for a while through United Way and 211. They will begin providing situation reports and updates through MDHHS.

Please let me know if there's anything else you need. I will be in at 8am.

V/R,
Tom Weber

Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

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Weber, Thomas (MSP)

From: Katarsky, Anthony (MSP)
Sent: Friday, January 08, 2016 18:05
To: MSP-EMHSD-Division
Subject: Oralya Return to Work

The following message is from Oralya, who will return to work on Monday. Please act in accordance with her request.

> Thank you. For your extreme generosity, and your kindness and sensitivity to my family during this time. I'll be returning to work on Monday January 11. So many of you have offered your help; though I don't know what you could do for me beyond what you've already done. Help is still a thing that is hard for me to ask for. I'm working on it. You've had my back during this time, and it means a lot to me. Coming back to work will be difficult. It is the milestone that marks the beginning of a new and broken life. I will need your help once again. To save us all from the discomfort of the babbling mess I become sometimes, I'd like you to know that it is very difficult for me to talk about what happened to my son. So many people want me to repeat the story. They want to know if I am "okay." I'm not okay, and will never be again. When they ask, all of the memories flood back in, and I turn to water. Some of these people may ask you what you know, or how I am. You may hear them say they want to talk to me, they want to help. If that happens, it would help if you could sort of steer them off into another direction rather than let them come up and question me at length. Many people now seem to look at me differently, as if I am shattered (which I am), and with great sympathy in their eyes. Those looks of extreme sympathy and tenderness, tell me I "need help," or that something continues to be terribly wrong – it makes it hard to move past the moment, and has the same watery effect. I know I sound like a big baby, and I am one. It would help me greatly if you would do your best just to be you. Tell me your terrible jokes, amaze me with your sarcasm, be the outstanding and complex people I know you to be. Encourage others to be themselves too. I am still me, working my way back to reclaiming more of myself as I walk through this. I would really appreciate your patience and your help with this for just a little longer. All of these people mean well; please know that – but like the quote on my son's wall says, "Stand up and walk. Keep moving forward. You've got two good legs, so get up and use them. You're strong enough to make your own path." I need to start doing that. I need to start walking toward a future in which I am at least functional. So please help me to steer clear of people who offer too much tenderness and concern, or those who want the story. Help me to steer back toward myself, as we try to keep the focus on Flint, climate change, Midwestern flooding, and how I can get my raise. I am still OG, just OG 2.1 in a world full of 10's – but I'll get there. I'll get somewhere anyway. Thank you all, for helping me to "Stand up."
>
> - OG

Anthony P. Katarsky
Assistant Division Commander
Michigan State Police
Emergency Management and Homeland Security Division
517-336-2686

Weber, Thomas (MSP)

From: Manning, Peter (AG)
Sent: Thursday, January 07, 2016 10:03
To: Leix, Ron (MSP)
Cc: Kelenske, Chris (MSP); Weber, Thomas (MSP); Kuhl, Richard (AG); Bettenhausen, Margaret (AG)
Subject: Flint water

Ron,

I wanted to address this off-line. I don't want to unnecessarily delay communication, but to the extent possible, can you please run major communications through our office. There is litigation pending.

Richard and Margaret are the attorneys handling the case, and are copied.

Thanks,

Peter

S. Peter Manning
Division Chief
Environment, Natural Resources,
and Agriculture Division
Michigan Department of Attorney General
P.O. Box 30755
Lansing, MI 48909
(517) 373-7540

Weber, Thomas (MSP)

From: Holmes, Virginia (DHHS)
Sent: Friday, January 08, 2016 00:34
To: Thelen, Richard (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS); Veeser, Chad (DHHS)
Subject: Re: MCSC Support

Richard,

Great to hear from you.

I was asked early on to sit in on some of the community meetings. But without a declared disaster, we could not deploy any of the AmeriCorps assets. But with the declaration, we are able to offer some resources.

There will be an announcement today (Friday) that Flint United Way will be receiving a NCCC AmeriCorps team. (the information is embargoed until CNCS makes the announcement) I will forward you the Press Release and so you are aware. Jessi has forwarded it to Ron to keep him informed as well.

The NCCC team is to arrive Feb. 2 and will be here through April. United Way will be taking care of getting them their housing and provide their overall support and management. I have a call in the morning with Wendy Spencer, the CEO of the Corporation for National and Community Service and Harvey Hollins, from the Governor's Office to discuss the announcement of the team and determine if there are other resources to consider.

I am wondering who is overseeing the operations in Flint and what needs have been identified that volunteers could assist with meeting? We can make some resources available from AmeriCorps - but it is best to know what the needs are and then determine what options to use.

Once you have a clear understanding of the needs, we can determine if any of the following additional resources could be of assistance:

1. American Red Cross AmeriCorps members can be redeployed. There are currently 34 in the state, we are able to ask 17 at a time to be redeployed to Flint. They could be of help this month - if you identify there is a need.

2. American Red Cross Case Management. We have given an AmeriCorps grant to Red Cross in Detroit and they have had a tough time getting it set up because they do not have the match. This could be an opportunity for us to serve both Flint and Detroit. We could have 10 members in each community trained to work with residents and help them get the resources they need. For Flint - provide information, filters, blood level checks, other identified resources. For Detroit - provide the housing support services they need to recover from the flood. I would need to find about $100,00 in match money - but with the current concerns in Flint, there may be options to do this. The good news is Red Cross will manage the members - we just need to determine if there is a need. Chad could assist with helping to get this set up. If we stand this up - they would be full time members serving for a full year. This would be a more consistent option that could provide longer term benefits. This grant could be renewed up to three years.

3. Operation AmeriCorps - Flint received this new AC program and there may be an option to have some of the members assist if an identified need develops. They are serving in the schools and so we could think of a unique way to have them provide information and assistance to families in the school.

4. CNCS state office is determining what RSVP and Senior Corps members could do to assist with the effort.

5. Chad Veesar from MCSC is available to assist with managing the volunteer component and provide ideas regarding how AC members could be used in this situation. As you know, he has plenty of direct experience in Detroit that could be an asset.

If you could give us an indication of what you are seeing the needs are for volunteers, that would be helpful. It will give us a heads up as to how we can best offer our support. I do understand if you are still at the assessment stage.

Let me know if you would like to have a call to discuss options available and what roles everyone will take.

Ginna

Ginna Holmes
Executive Director
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

holmesv@michigan.gov
(517) 335-4295

From: Veeser, Chad (DHHS)
Sent: Thursday, January 7, 2016 9:57 AM
To: Thelen, Richard (DHHS); Holmes, Virginia (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS)
Subject: RE: MCSC Support

I will leave that to Ginna. I am not involved at this time. I know Ginna has been part of meetings and we've offered support.

Chad

From: Thelen, Richard (DHHS)
Sent: Thursday, January 07, 2016 9:30 AM
To: Veeser, Chad (DHHS); Holmes, Virginia (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS)
Subject: RE: MCSC Support

Thanks Chad. We will keep you updated as resource requests come in. Can someone give me a summary of what involvement the commission is currently playing? I need to have a complete picture, and report out on what our Department is doing for this.

Thanks
Richard

From: Veeser, Chad (DHHS)
Sent: Thursday, January 7, 2016 9:23 AM
To: Weber, Thomas (MSP) <WeberT1@michigan.gov>; Baker, Zachary (MSP) <BakerZ@michigan.gov>; Thelen, Richard (DHHS) <ThelenR4@michigan.gov>
Subject: MCSC Support

Gentlemen, Ginna has asked me to reach out to you. In light of the recent declaration in Flint, I want to make sure you are aware that I am here to support any state/national service and volunteer efforts. I do have my experience from the Detroit flooding to bring to bear. I know Ginna has been involved with aspects of this thus far, and we are working to support the United Way of Genesee County and the City of Flint in any of their volunteer work, should they need it.

Some of what has occurred could be part of our discussion in next week's meeting (roles and options, what I can bring to the table, and what you would need to be accomplished). If you need to contact me by phone, my cell is: 248-250-0972.

Thank you,

Chad Veeser
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

Weber, Thomas (MSP)

From: Bouters, Janese (DHHS)
Sent: Friday, January 08, 2016 16:35
To: Anderson, Paula (DHHS); Barr, Jacqui (DHHS); Becker, Timothy (DHHS); Bruneau, Michelle (DHHS); CDevriendt@co.genesee.mi.us; Colston, Leslie (DHHS); DeMyers, Deborah (DHHS); Dykema, Linda D. (DHHS); Edwards, Cynthia (DHHS); Eggleston, Debbie (DHHS); Eisner, Jennifer (DHHS); Fink, Brenda (DHHS); Granger, Patricia (DHHS); Grijalva, Nancy (DHHS); Groetsch, Kory J. (DHHS); Harvey, Janice (DHHS); Hertel, Elizabeth (DHHS); Kaiser Van Dam, Paula (DHHS); Lasher, Geralyn (DHHS); Lyon, Nick (DHHS); McKane, Patricia (DHHS); Miller, Corinne (DHHS); Miller, Mark (DHHS); Minicuci, Angela (DHHS); Moran, Susan (DHHS); MVALACAK@gchd.us; Peeler, Nancy (DHHS); Priem, Wesley F. (DHHS); Priest, Chris (DHHS); Ridley, Nancy (DHHS); Robinson, Mikelle (DHHS); Rockefeller, Cheryl (DHHS); Scott, Jackie (DHHS); Shah, Sandip (DHHS); Sims, Teri (DHHS); Stanbury, Martha (DHHS); Stiffler, Kathleen A. (DHHS); Taylor, Kerri (DHHS); Thompson, Sheryl D. (DHHS); Titus, Laura (DHHS); tlarocco@gchd.us; Travis, Rashmi (DHHS); Turner, Jane (DHHS); Weber, Thomas (MSP); Wells, Eden (DHHS)
Subject: Flint Briefing 07Jan16
Attachments: 2016-01-07 - Flint Lead MDHHS Sitrep.pdf

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

Weber, Thomas (MSP)

From: Lynne Feldpausch (MEDC) <feldpauschl@michigan.org>
Sent: Friday, January 08, 2016 12:26
To: Weber, Thomas (MSP); Strobel, Pamela (MSP)
Cc: Barcroft, Jaclyn (MSP)
Subject: RE: MTED

Thank you, Tom.

Teri advised her access was from her former agency (LARA)...if we can use that for now, that helps.

Thank you,
Lynne

Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060 feldpauschl@michigan.org Follow me on Twitter: @LynneFeldpausch

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-----Original Message-----
From: Weber, Thomas (MSP) [mailto:WeberT1@michigan.gov]
Sent: Friday, January 08, 2016 12:19 PM
To: Lynne Feldpausch (MEDC); Strobel, Pamela (MSP)
Cc: Jeremy Hendges (TED); Barcroft, Jaclyn (MSP)
Subject: RE: MTED

Hi Lynne,

I copied Jaclyn Barcroft who is our MI CIMS manager. She can get you set up with a log in now and then the training for it. She did mention that Teri Martin has access currently if that helps in the short term.

Thanks!

Tom Weber
State Planning Unit Manager
Emergency Management and Homeland Security Michigan State Police

---

From: Lynne Feldpausch (MEDC) [feldpauschl@michigan.org]
Sent: Friday, January 08, 2016 12:16
To: Strobel, Pamela (MSP)
Cc: Hendges, Jeremy (TED); Weber, Thomas (MSP)

Subject: RE: MTED

Good afternoon, Pam.
I do not have anything additional to report on behalf of MTED. However, since we do not have access to the SIMs database, I cannot view tasks or assignments. We have been attending the 9:30a SEOC update calls.

Please advise if further information is required.

Thank you,
Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060
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Follow me on Twitter: @LynneFeldpausch

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From: Lynne Feldpausch (MEDC)
Sent: Wednesday, January 06, 2016 4:26 PM
To: 'Strobel, Pamela (MSP)'
Cc: Jeremy Hendges (TED)
Subject: MTED
Importance: High

Good afternoon, Pam.
Per our conversation, I was in attendance at the SEOC from 11:03a to 3:45p. With the recent transition of these responsibilities at MTED, I have not been trained on/logged in to the SIMs system to date. Therefore, this message contains the report from Michigan Department of Talent and Economic Development (MTED), due by 4:30p:

MSHDA

1. Allowable: Pay for the costs of water quality analysis of all MSHDA backed mortgages in Flint.
2. Allowable: Pay for the replacement of water lines owned by residents with MSHDA mortgages within the city that need to be replaced or lines to homes with MSHDA backed mortgages or incomes less than 50% AMI.
3. Allowable: Pay for a percentage of the reconnection fee to acquire water from Detroit up to an amount not to exceed the % of MSHDA financed homes or low income households in the city (50% AMI).
4. Allowable: Pay for the replacing the city's municipal water line infrastructure associated with water lines being replaced to homes in the city with MSHDA backed mortgages or those household at or below 50% AMI.
5. Allowable: Pay for a percentage of any new infrastructure costs associated with the build out of a new water supply system so long as the amount doesn't exceed the % of MSHDA financed homes or low-income households in the city (50% AMI).
6. Allowable: Purchase of water for low income households (50% AMI).
7. Allowable: Purchase of water filters for any low income households (50% AMI).
8. Allowable: public awareness through HDF grants

. The grants staff team is already drafting the necessary background materials for a potential grant application request. We would just need to know the recipient of the grant and purpose (allowable uses).

. We are exploring CDBG grant funds or other assistance from HUD.

MSF/MEDC

. MSF/MEDC had offered low interest loans as part of the deep freeze crisis. While this would require legislative action to authorize, it is something that could be considered in this scenario. It would require re-purposing any remaining funds.

Please let me know if there is additional information required. I am receiving the SEOC emails/voicemails.
As a side note, Melanie Brown has been temporarily reassigned to DEQ during the Flint Water Crisis. Jeremy Hendges will be acting as PIO for TED (cc'd on this message).

Thank you for your assistance, Pam.

Best regards,
Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060
feldpauschl@michigan.org<mailto:feldpauschl@michigan.org>
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Weber, Thomas (MSP)

From: Lynne Feldpausch (MEDC) <feldpauschl@michigan.org>
Sent: Friday, January 08, 2016 12:16
To: Strobel, Pamela (MSP)
Cc: Hendges, Jeremy (TED); Weber, Thomas (MSP)
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Lynne A. Feldpausch, CHRO
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Weber, Thomas (MSP)

From: MSP-SEOCGIS2
Sent: Friday, January 08, 2016 11:11
To: MSP-seocda1; plangc; Weber, Thomas (MSP)
Subject: Points of Distribution List
Attachments: Food Bank Water PODS.docx

This list is from Genesee County Emergency Manager Chris D.

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Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Friday, January 08, 2016 10:31
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: *Flint emergency declaration work*
Attachments: Mike Sobocinski notes from SEOC briefing Jan 8.docx

Attached is the new document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of uncertainty.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: plangc
Sent: Thursday, January 07, 2016 17:15
To: Briggs, Brianna (MSP); Pepper, Joel (MSP); Thelen, Richard (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP)
Subject: ARC brainstorming and local agencies
Attachments: Flint Genesee NGO Involvement 2016-01.pdf; VOAD NGO Ideas Flint Water Contamination 20160106.docx

Recovery Branch:

Paul and Linda sat down and put together two things for me: one is a list of IDEAS of ways in which they and other voluntary organizations might be able to provide assistance going forward. *These are ideas, so any that seem needful* would need additional discussion/researching. The other is a list of local agencies in Genesee County that have been contributing so far. There is going to be a meeting next week of voluntary organizations for coordinating activities. The Genesee EOC is aware of this meeting.

Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

Weber, Thomas (MSP)

From: Pepper, Joel (MSP)
Sent: Thursday, January 07, 2016 16:35
To: plangc
Cc: Weber, Thomas (MSP); Briggs, Brianna (MSP); Hollaender, Henrik (MSP)
Subject: RE: damage assessment

No changes from my perspective.

From: plangc
Sent: Thursday, January 07, 2016 4:27 PM
To: Hollaender, Henrik (MSP); Briggs, Brianna (MSP)
Cc: Pepper, Joel (MSP); Weber, Thomas (MSP)
Subject: damage assessment

Henrik,

Here are some items to consider for the Damage Assessment. I'm also copying Brianna and Joel. Brianna for her role as Recovery Branch Leader/Director and Joel as our very own damage assessment SME:

The form in MICIMS is geared really toward physical damages. This is not going to be adequate for this emergency as the impacts are so broad. We recommend not using the DA forms in MI CIMS.
A more informative way to look at this will be "impact assessment" as the impacts themselves are extensive and often not easily quantifiable.
As you said, you felt that the county has a good handle on infrastructure impacts. Here are some ideas on other impacts:

Look at EACH federal ESF which could be impacted and identify ways in which the county (Flint's water also serves three townships I understand) is impacted in each of those ESFs. Even such things as "lack of awareness" under external affairs, etc.

Pull in all the SMEs you need to conduct the impact survey: county health, county equalization; WIC; human services, education, water department; community and economic development, etc. You need all the local SMEs contributing.

Identify the life, health and safety impacts.
How many elevated blood lead level (EBL) cases are reported?
What is the at risk population in the affected area?
How many have been tested; how many have EBLs out of the at risk populations?
How many people are served by WIC or other human services programs in the impacted area?
How many water hookups are there by type? Residential, restaurants, industrial, businesses, hospitals (how many beds), schools (how many students?), non-profits, childcare/preschools, etc.
How many filters have been distributed? And how many households do not yet have them (as far as we know)?
Coordinate with GIS; they have been working on many of these questions and may be able to provide answers and/or contacts.

Measure magnitude/impact/footprint, not dollars (unless dollars are easily and readily identifiable).

Again, the MI CIMS board is not really set up for this, so create your own reports/spreadsheets. The Recovery Branch and Joel can help with suggestions if needed.

Do your best to discover unmet needs that may exist. They would fall in many categories: how many elderly or functional needs need filters/installation?

I know this is sort of a laundry list, but hopefully it helps. Joel, any thoughts/changes?

Again, get the SMEs involved, especially county health and human services. They'll have assessments of impacts.

Let me know if there's anything else we can help with at the moment.

V/R,
Tom

Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

Weber, Thomas (MSP)

From: plangc
Sent: Thursday, January 07, 2016 16:27
To: Hollaender, Henrik (MSP); Briggs, Brianna (MSP)
Cc: Pepper, Joel (MSP); Weber, Thomas (MSP)
Subject: damage assessment

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As you said, you felt that the county has a good handle on infrastructure impacts. Here are some ideas on other impacts:

Look at EACH federal ESF which could be impacted and identify ways in which the county (Flint's water also serves three townships I understand) is impacted in each of those ESFs. Even such things as "lack of awareness" under external affairs, etc.

Pull in all the SMEs you need to conduct the impact survey: county health, county equalization; WIC; human services, education, water department; community and economic development, etc. You need all the local SMEs contributing.

Identify the life, health and safety impacts.
How many elevated blood lead level (EBL) cases are reported?
What is the at risk population in the affected area?
How many have been tested; how many have EBLs out of the at risk populations?
How many people are served by WIC or other human services programs in the impacted area?
How many water hookups are there by type? Residential, restaurants, industrial, businesses, hospitals (how many beds), schools (how many students?), non-profits, childcare/preschools, etc.
How many filters have been distributed? And how many households do not yet have them (as far as we know)?
Coordinate with GIS; they have been working on many of these questions and may be able to provide answers and/or contacts.

Measure magnitude/impact/footprint, not dollars (unless dollars are easily and readily identifiable).

Again, the MI CIMS board is not really set up for this, so create your own reports/spreadsheets. The Recovery Branch and Joel can help with suggestions if needed.

Do your best to discover unmet needs that may exist. They would fall in many categories: how many elderly or functional needs need filters/installation?

I know this is sort of a laundry list, but hopefully it helps. Joel, any thoughts/changes?

Again, get the SMEs involved, especially county health and human services. They'll have assessments of impacts.

Let me know if there's anything else we can help with at the moment.

V/R,
Tom

Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

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Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Thursday, January 07, 2016 11:32
To: Weber, Thomas (MSP)
Cc: plangc; MSP-seocda2; MSP-seocda1
Subject: Flint emergency declaration work
Attachments: *Mike Sobocinski notes from SEOC briefing Jan 7.docx*

Attached is a document with my notes from today's 9:30am SEOC briefing.
Green highlighting denotes my extra comments or areas of unclarity.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Strobel, Pamela (MSP)
Sent: Thursday, January 07, 2016 10:36
To: MSP-EMHSD-Division
Subject: FW: NEWS HEADLINES--Thursday, January 7, 2016

FYI-

From: MSP_Public_Affairs
Sent: Thursday, January 07, 2016 10:04 AM
Subject: NEWS HEADLINES--Thursday, January 7, 2016

State launches information center for Flint following emergency declaration
MLive
By: Amanda Emery
1.6.16

FLINT, MI -- The state has launched its Joint Information Center to coordinate public information from the State of Emergency Operations Center.

The emergency operations center was activated after Governor Rick Snyder declared a state of emergency for Genesee County on Tuesday, Jan. 5.

The information center is set up to help with health and safety issues caused by lead in Flint's drinking water, according to a news release from the state of Michigan.

The emergency declaration makes available all state resources in cooperation with local response and recovery operations.

The Joint Information Center will serve as the state's central communications hub for the state of emergency, according to the release. It is staffed by public information officers from several state agencies. The hours of operations will be 9 a.m. until 5 p.m. Monday thru Friday, until further notice.

The center is operating out of the Michigan State Police Emergency Management and Homeland Security Division in Lansing, according to the release. State officials are working to move the center to Flint to better partner and coordinate with local agencies.

Public information and updates that include resources for residents, how to obtain free water filters, and lead testing will be made available at www.michigan.gov/FlintWater.

http://www.mlive.com/news/flint/index.ssf/2016/01/state_launches_information_cen.html

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Toys for Tots campaign helps 551 children
Hillsdale Daily News
1.6.16

HILLSDALE — Due to the generosity of Hillsdale County residents, the annual Hillsdale County Toys for Tots campaign was once again a success.

Collection boxes were placed in 24 area businesses, and many organizations and individuals held toy drives to collect new, unwrapped toys for the campaign. Members of the community donated 2,434 toys which were distributed to 210 area families to assist in providing 551 children with gifts for Christmas.

Four families were surprised by troopers from the Michigan State Police, who delivered toys to their homes in Osseo, Hillsdale and Allen on Dec. 22. The Toys for Tots program also assisted the Salvation Army and Domestic Harmony with toys for their Christmas projects.

A press release from the Michigan State Police said, "A heartfelt thank you to each person who placed a collection box in their place of work or business, donated a toy, assisted in the toy drives, or volunteered with set up or distribution of the collected toys to families."

The Michigan State Police have coordinated the annual campaign in Hillsdale County for over 15 years with the assistance of the Jonesville Fire Department and volunteers from the Hillsdale Assembly of God Church.

http://www.hillsdale.net/article/20160106/NEWS/160109574

Kalamazoo man arrested for soliciting a child online
FOX 17
BY: Bob Brenzing
1.7.16

ATTLE CREEK, Mich. – A Kalamazoo man was arrested this week for soliciting a child for immoral purposes.

David Weirick, 56, was charged in 10th District Court in Battle Creek according to the Michigan State Police Computer Crimes Unit. He was also charged with using a computer to commit child sexually abusive activity.

Weirick faces up to ten years in prison if convicted.

Investigators say that Weirick was arrested Tuesday when he allegedly showed up in Battle Creek for a pre-arranged sexual encounter with an undercover detective.

The MSP Computer Crimes Unit investigated the case with the Michigan Internet Crimes Against Children (ICAC) task force and the MSP Fifth District Fugitive Team.

http://fox17online.com/2016/01/07/kalamazoo-man-arrested-for-soliciting-a-child-online/

Changes to car insurance under new Michigan law
Upper Michigans Source
By: Rachel Droze
1.6.16

MARQUETTE — Technology has changed the way we communicate, it's changed the way we do business and now it's changing the way we show law enforcement our proof of auto insurance.

If you get pulled over, you can just pull up your proof of insurance on your phone or tablet.

"This is another way that they can have this information, and that it can be easily accessed and it's our world, just our mobile world where we can get our the information easier," said Trooper Stacey Rasanen of the Michigan State Police, Negaunee Post.

The legislation was signed into law by Governor Rick Snyder back in October, and went into effect Tuesday.

Snyder said it's an attempt to modernize the government.

Several insurance agencies have already been offering mobile services.

"We have an app called Pocket Agent which is available to State Farm customers, and within that app for several years, we've had the ability to display, save, print your proof of insurance direct yourself," said State Farm Agent Rod Lizak.

This app does require data coverage to use though, which isn't available in many places around the U.P.

Law enforcement officers suggest saving images of your proof of insurance in places in your phone that don't require cell coverage to access them just in case you get pulled over somewhere that you don't have service.

"It's always good to either have a paper copy or again take a screen shot of that and save it into your gallery or save an email that you might have been sent so that you can show us that immediately on the roadway," said Trp. Rasanen.

Police will not be able to look at anything else on your phone, just the copy of insurance.

Drivers will have to email a copy of the proof of insurance so that the officer can verify it.

http://uppermichiganssource.com/news/local/changes-to-car-insurance-under-new-michigan-law

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Weber, Thomas (MSP)

From: Veeser, Chad (DHHS)
Sent: Thursday, January 07, 2016 09:58
To: Thelen, Richard (DHHS); Holmes, Virginia (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS)
Subject: RE: MCSC Support

I will leave that to Ginna. I am not involved at this time. I know Ginna has been part of meetings and we've offered support.

Chad

From: Thelen, Richard (DHHS)
Sent: Thursday, January 07, 2016 9:30 AM
To: Veeser, Chad (DHHS); Holmes, Virginia (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS)
Subject: RE: MCSC Support

Thanks Chad. We will keep you updated as resource requests come in. Can someone give me a summary of what involvement the commission is currently playing? I need to have a complete picture, and report out on what our Department is doing for this.

Thanks
Richard

From: Veeser, Chad (DHHS)
Sent: Thursday, January 7, 2016 9:23 AM
To: Weber, Thomas (MSP) <WeberT1@michigan.gov>; Baker, Zachary (MSP) <BakerZ@michigan.gov>; Thelen, Richard (DHHS) <ThelenR4@michigan.gov>
Subject: MCSC Support

Gentlemen, Ginna has asked me to reach out to you. In light of the recent declaration in Flint, I want to make sure you are aware that I am here to support any state/national service and volunteer efforts. I do have my experience from the Detroit flooding to bring to bear. I know Ginna has been involved with aspects of this thus far, and we are working to support the United Way of Genesee County and the City of Flint in any of their volunteer work, should they need it.

Some of what has occurred could be part of our discussion in next week's meeting (roles and options, what I can bring to the table, and what you would need to be accomplished). If you need to contact me by phone, my cell is: 248-250-0972.

Thank you,

Chad Veeser
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

Weber, Thomas (MSP)

From: *Thelen, Richard (DHHS)*
Sent: Thursday, January 07, 2016 09:30
To: Veeser, Chad (DHHS); Holmes, Virginia (DHHS)
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP); Scott, Linda (DHHS); Lixey-Terrill, Jennifer (DHHS)
Subject: RE: MCSC Support

Thanks Chad. We will keep you updated as resource requests come in. Can someone give me a summary of what involvement the commission is currently playing? I need to have a complete picture, and report out on what our Department is doing for this.

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From: *Veeser, Chad (DHHS)*
Sent: Thursday, January 7, 2016 9:23 AM
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Thank you,

Chad Veeser
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

Weber, Thomas (MSP)

From: Dintenfass, Linda <linda.dintenfass2@redcross.org>
Sent: Thursday, January 07, 2016 09:27
To: Weber, Thomas (MSP); Baker, Zachary (MSP)
Cc: Spata, Paul
Subject: Flint Water Contamination: VOAD ideas
Attachments: VOAD NGO Ideas Flint Water Contamination 20160106.docx

Tom and Zach,
Please find attached the list of ideas you asked us to develop.

We've asked Red Cross colleagues and others to add to it, so we may send you and updated version with more ideas in the next couple of days.

I'm the Emergency Preparedness Specialist at UM-Flint, and the local colleges and universities have helped and will want to continue. I'm working to add the ways they may be able to assist to the list.

Linda

Linda Dintenfass, PEM
American Red Cross
Disaster Cycle Services
Michigan Region
External Relations
Linda.Dintenfass2@redcross.org
734.864.2554

Weber, Thomas (MSP)

From: Veeser, Chad (DHHS)
Sent: *Thursday, January 07, 2016 09:23*
To: Weber, Thomas (MSP); Baker, Zachary (MSP); Thelen, Richard (DHHS)
Subject: MCSC Support

Gentlemen, Ginna has asked me to reach out to you. In light of the recent declaration in Flint, I want to make sure you are aware that I am here to support any state/national service and volunteer efforts. I do have my experience from the Detroit flooding to bring to bear. I know Ginna has been involved with aspects of this thus far, and we are working to support the United Way of Genesee County and the City of Flint in any of their volunteer work, should they need it.

Some of what has occurred could be part of our discussion in next week's meeting (roles and options, what I can bring to the table, and what you would need to be accomplished). If you need to contact me by phone, my cell is: 248-250-0972.

Thank you,

Chad Veeser
Michigan Community Service Commission
235 S. Grand Ave., Suite 1108
Lansing, MI 48933

Weber, Thomas (MSP)

From: plangc
Sent: Wednesday, January 06, 2016 19:13
To: Kelenske, Chris (MSP)
Cc: Katarsky, Anthony (MSP); Weber, Thomas (MSP)
Subject: Daily Update Flint Water 2015-01-06
Attachments: ICS 201 Summary 2016-01-06.docx; 2015-10-01 City of Flint Water Contamination-Shortage SitRep 01 2016-01-06.pdf

Captain,

A summary of today's SEOC activities is provided here, and today's SitRep and the final draft of Objectives and Tactics are attached.

Command and General Staff Accomplishments:

- Set goals for SEOC activation and identified response/recovery emphasis
- Developed operating policy, procedures, and guidelines
- Held briefing for State Agency Emergency Management Coordinators, which included presentations from DEQ and DHHS subject matter experts
- Developed Incident objectives, strategy and tactics
- Identified SEOC and state agency staff positions
- Assigned work tasks for SEOC operation period from 0800 January 6, 2016 – 1700 January 8, 2016
- Reviewed planned actions, prepared final draft Incident Action Plan.

SEOC:

The State Emergency Operations Center will provide:

- Situational awareness
- Common operating picture/objectives
- Coordination with city/county
- Potential coordination with federal agencies
- Incident prioritization
- Coordination of life/health safety measures
- Provide resources
- Public Information Control

Agencies represented in the SEOC will need to:

- Determine what federal agencies are already involved
- Establish the ICS Planning Cycle/"Planning P"
- Identify potential water supplies
- Identify existing lead pipe replacement programs (DEQ)
- Determine where affected homes are located, filters were installed, areas that need filters, etc. (EMHSD GIS)
- Determine how filter distribution is handled, and if it can be handled more efficiently (EMHSD GIS)
- Determine which mechanisms are in place for nutrition supplementation

MDHHS – Elevated Blood Lead Levels

- Dr. Elizabeth Wells gave an in depth summary of lead poisoning and what has occurred in terms of health monitoring throughout the Flint crisis.

MDEQ – Water Testing Protocols

- Mr. George Krisztian of MDEQ gave an in depth summary of the testing protocols and summary results that as they have developed throughout the emerging crisis.

EMHSD GIS Accomplishments:

- Hosted a conference call to begin coordination with Flint City and Genesee County GIS departments and the SEOC
- Established a daily call in to synchronize GIS efforts in support of the Flint water crisis at 8:30 A.M.
- Began consolidating local data from local GIS practitioners into a consolidated database, to include:
    - Water Pipeline Locations
    - Filter Distribution Locations
    - November 25, 2015 Water Monitoring Results (Partial, some data remains to be digitized)
    - Affected School Locations
    - Predictive analysis of blood lead levels for affected area
    - Updated Parcels
    - Demographics
    - Block Groups
- Produced a map for the filter distribution locations
- Began contacting specialists who developed historic maps depicting the Flint Water Crisis to get data

V/R,
Tom

Planning Group Chief, State Emergency Operations Center
Michigan State Police/Emergency Management and Homeland Security
(This email is monitored only when the SEOC is activated)

Weber, Thomas (MSP)

From: Strobel, Pamela (MSP)
Sent: Wednesday, January 06, 2016 16:29
To: MSP-SEOCOPSC; Weber, Thomas (MSP)
Subject: FW: MTED

Importance: High

FYI

From: Lynne Feldpausch (MEDC) [mailto:feldpauschl@michigan.org]
Sent: Wednesday, January 06, 2016 4:26 PM
To: Strobel, Pamela (MSP)
Cc: Hendges, Jeremy (TED)
Subject: MTED
Importance: High

Good afternoon, Pam.
Per our conversation, I was in attendance at the SEOC from 11:03a to 3:45p. With the recent transition of these responsibilities at MTED, I have not been trained on/logged in to the SIMs system to date. Therefore, this message contains the report from Michigan Department of Talent and Economic Development (MTED), due by 4:30p:

MSHDA

1. Allowable: Pay for the costs of water quality analysis of all MSHDA backed mortgages in Flint.
2. Allowable: Pay for the replacement of water lines owned by residents with MSHDA mortgages within the city that need to be replaced or lines to homes with MSHDA backed mortgages or incomes less than 50% AMI.
3. Allowable: Pay for a percentage of the reconnection fee to acquire water from Detroit up to an amount not to exceed the % of MSHDA financed homes or low income households in the city (50% AMI).
4. Allowable: Pay for the replacing the city's municipal water line infrastructure associated with water lines *being replaced to homes in the city with MSHDA backed mortgages or those household at or below 50% AMI.*
5. Allowable: Pay for a percentage of any new infrastructure costs associated with the build out of a new water supply system so long as the amount doesn't exceed the % of MSHDA financed homes or low-income households in the city (50% AMI).
6. Allowable: Purchase of water for low income households (50% AMI).
7. Allowable: Purchase of water filters for any low income households (50% AMI).
8. Allowable: public awareness through HDF grants

- The grants staff team is already drafting the necessary background materials for a potential grant application request. We would just need to know the recipient of the grant and purpose (allowable uses).

- We are exploring CDBG grant funds or other assistance from HUD.

MSF/MEDC

- MSF/MEDC had offered low interest loans as part of the deep freeze crisis. While this would require legislative action to authorize, it is something that could be considered in this scenario. It would require re-purposing any remaining funds.

Please let me know if there is additional information required. I *am* receiving the SEOC emails/voicemails.
As a side note, Melanie Brown has been temporarily reassigned to DEQ during the Flint Water Crisis. Jeremy Hendges will be acting as PIO for TED (cc'd on this message).

Thank you for your assistance, Pam.

Best regards,
Lynne A. Feldpausch, CHRO
Senior Vice President - Strategy, Technology & Administrative Services
Michigan Economic Development Corporation
300 N. Washington Square | Lansing, MI 48913
Office: 517.335.0587 | Fax: 517.241.3060
feldpauschl@michigan.org
Follow me on Twitter: @LynneFeldpausch

This message contains information which may be confidential and privileged. Unless you are the intended recipient (or authorized to receive this message for the intended recipient), you may not use, copy, disseminate or disclose to anyone the message or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail, and delete the message. Thank you very much.

Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 06, 2016 13:44
To: plangc; Weber, Thomas (MSP)
Cc: Hollaender, Henrik (MSP); Baker, Zachary (MSP)
Subject: Flint emergency declaration work
Attachments: Mike Sobocinski notes from SEOC briefing Jan 6.docx

My draft notes from this morning's 9am SEOC briefing are attached for consideration, correction, consolidation, and discussion.
Hard to catch everything, but between everyone involved we should be able to piece together and sort through a lot, and hopefully avoid any major errors.

PS: Please forward to whoever else is in the SEOC Planning section today (or the upcoming 2pm meeting). If appropriate, I can make printouts of this to provide/discuss at the meeting.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Burger, Penelope (MSP)
Sent: Wednesday, January 06, 2016 13:18
To: MSP-EMHSD-Division
Cc: MSP-SEOCOPSC; MSP-seocfgc; MSP-seoclgc
Subject: Coding for City of Flint Water Contamination incident

Good Afternoon:

For any **overtime hours** spent working in the SEOC with the City of Flint Water Contamination/Shortage event, please use the following coding:

Index 28900 with PCA 28670

Any **non-payroll** costs (travel, SEOC meals during activation, etc.) should be coded to:

Index 28900 with PCA 28671.

These codes are not yet active in DCDS but will be by the end of the week. Please let me know if you have any questions.

Thanks,
Penny

Penny Burger
Grants and Financial Management Section Manager
Michigan State Police
Emergency Management and Homeland Security Division
4000 Collins Road
Lansing, MI 48910
TX: 517-333-5046
Cell:

Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Wednesday, January 06, 2016 08:25
To: Weber, Thomas (MSP)
Subject: correction in draft

Importance: High

I wanted to mention that the April 2014 date I had placed into the draft text for Flint was just a guess (highlighted in yellow to be double-checked).
I later found a document from their water system which stated that it was actually May 2014 when the transition took place from the Detroit system to the use of Flint River water.
FYI

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Horn, Al (DHHS)
Sent: Tuesday, January 05, 2016 23:27
To: Dintenfass, Linda
Cc: Wainscott, Joe E.; Thelen, Richard (DHHS); Spata, Paul; Baker, Zachary (MSP); Weber, Thomas (MSP)
Subject: Re: Repatriation Meeting Tomorrow

Ok. Thanks for letting me know.
Al

Sent from my iPhone

On Jan 5, 2016, at 5:25 PM, Dintenfass, Linda <linda.dintenfass2@redcross.org> wrote:

> We'll reschedule the MI Repatriation Plan meeting but can't until we have a better understanding of the impact of the SEOC activation.
>
> Linda
>
> *Sent from my Verizon Wireless 4G LTE DROID*
>
> -------- Original Message --------
> Subject: Repatriation Meeting Tomorrow
> From: "Baker, Zachary (MSP)" <BakerZ@michigan.gov>
> To: "Dintenfass, Linda" <linda.dintenfass2@redcross.org>
> CC:
>
> Hey Linda,
>
> Due to the increased involvement of MSP/EMHSD and other State Agency EMC's we will need to cancel our meeting tomorrow. We are being asked to staff the SEOC in response to the Flint Water Incident.
>
> I apologize for the short notice and hope we can reschedule something in the near future,
>
> Zach Baker, PEM
> State Planner
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Phone: 517-333-5045
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Dintenfass, Linda <linda.dintenfass2@redcross.org>
Sent: Tuesday, January 05, 2016 17:25
To: Wainscott, Joe E.; Horn, Al (DHHS); Thelen, Richard (DHHS); Spata, Paul
Cc: Baker, Zachary (MSP); Weber, Thomas (MSP)
Subject: Fwd: Repatriation Meeting Tomorrow

We'll reschedule the MI Repatriation Plan meeting but can't until we have a better understanding of the impact of the SEOC activation.

Linda

Sent from my Verizon Wireless 4G LTE DROID

-------- Original Message --------
Subject: Repatriation Meeting Tomorrow
From: "Baker, Zachary (MSP)" <BakerZ@michigan.gov>
To: "Dintenfass, Linda" <linda.dintenfass2@redcross.org>
CC:

Hey Linda,

Due to the increased involvement of MSP/EMHSD and other State Agency EMC's we will need to cancel our meeting tomorrow. We are being asked to staff the SEOC in response to the Flint Water Incident.

I apologize for the short notice and hope we can reschedule something in the near future,

Zach Baker, PEM
State Planner
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Phone: 517-333-5045

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 17:04
To: Weber, Thomas (MSP)
Subject: Flint emergency declaration work
Attachments: Flint Request draft MAS 2016.doc

FYI –

Attached is some draft material I've put together so far. Only look at the front pages – this still contains long sections "inherited" from the sample document (2014) you had sent to me. The text in yellow is worth reviewing, for potential changes. The text in white might be pretty good, as it. The text in green is inherited from the 2014 flood disaster – merely a placeholder until it can be replaced with similar text for this current event.

I will continue to expand this with new/revised information tomorrow.

Thanks,
Mike Sobocinski
Hazard Mitigation Planning Specialist
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910-5883
TX: 517-336-2053

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 17:00
To: Weber, Thomas (MSP)
Subject: FW: Repatriation Meeting Tomorrow

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 5:00 PM
To: Dintenfass, Linda
Subject: Repatriation Meeting Tomorrow

Hey Linda,

Due to the increased involvement of MSP/EMHSD and other State Agency EMC's we will need to cancel our meeting tomorrow. We are being asked to staff the SEOC in response to the Flint Water Incident.

I apologize for the short notice and hope we can reschedule something in the near future,

Zach Baker, PEM
State Planner
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Phone: 517-333-5045

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Baker, Zachary (MSP)
Sent: Tuesday, January 05, 2016 11:37
To: Weber, Thomas (MSP)
Subject: 2016-01-05 Flint Water Governor's Declaration DRAFT
Attachments: 2016-01-05 Flint Water Governor's Declaration DRAFT.docx

Hey Tom,

Attached is my edits to the declaration. Also here is the info you requested.

Declarations

- Public Health-Oct 1
- City-Dec 14th
- County-Jan 4th
- Request to Governor-Jan 4th

Water Switch

- Switch to Flint River-April 25th, 2014
- Flint notified in violation of Safe Water Drinking Act-Jan 2nd, 2015
- Switch Back to Detroit Water and Sewerage-Oct 16th

Let me know if you need anything else,

Zach Baker, PEM
State Planner
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Phone: 517-333-5045

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Tuesday, January 05, 2016 11:30
To: Weber, Thomas (MSP)
Cc: Graham, Mitch (MSP)
Subject: RE: weekly activities list

This week, January 4 to 8:
Section Updates: (no items)
Key Activities:

- Work on quarterly activities report and updated local HM plan tracking map (Sobocinski)
- Work to follow-up on Flint emergency declaration: draft declaration request letter (Sobocinski, Baker)
- Provide review feedback to Michigan Department of Military and Veterans Affairs re: MI National Guard bases' plan (Sobocinski)
- Evaluate, purge, sort accumulated office materials, in prep for move (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)

External Meetings: (no items)

Next week, January 11 to 15:
Section updates:

- 3 hours of Annual leave Tuesday, starting 2pm (Sobocinski)

Key Activities:

- Work to follow-up on Flint emergency declaration: draft declaration request letter (Sobocinski, Baker)
- Evaluate, purge, sort, pack accumulated office materials, in prep for move (Sobocinski)
- Thursday NEMA webinar on cyber-attack, 2pm (Sobocinski, Baker)
- As time allows, work on MI-CEMKR revised PowerPoint presentation (Sobocinski)
- As time allows, coordinate with Monroe County jurisdictions while working on plan revisions. (Sobocinski)
- Process letters from FEMA and local programs, as received. (Sobocinski)
- As time allows, expand presentation on climate change, for official review (Sobocinski)

External Meetings: (no items)

Weber, Thomas (MSP)

From: Sobocinski, Mike (MSP)
Sent: Monday, January 04, 2016 16:57
To: Weber, Thomas (MSP)
Cc: Baker, Zachary (MSP)
Subject: RE: Monday meeting notes

Sounds good.
I'm "pretty good" at putting together census-based descriptions. Have been doing it for at least 20 years...
Since Genesee County has declared an emergency now, do you know if the focus is still specifically and exclusively on the city of Flint? (Were there any adjacent areas that also shared the Flint water system, such as Flint Township?) That would be the first question I'd need answered.

Thanks,
Mike

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 4:51 PM
To: Sobocinski, Mike (MSP)
Cc: Baker, Zachary (MSP)
Subject: RE: Monday meeting notes

Glad you asked! While the Governor has not yet made the decision, it is virtually certain we'll be going to the feds with some sort of request for assistance, even if it's not through FEMA. So I think it would be well for us to get started on the demographic component, and it makes as much sense to use our past formats for declaration request letters as anything. Here's a copy of the one used for the SE MI flooding in '14. We can meet on this tomorrow if you'd like. I figured you two could work on this together.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

From: Sobocinski, Mike (MSP)
Sent: Monday, January 04, 2016 4:46 PM
To: Weber, Thomas (MSP)
Subject: RE: Monday meeting notes

Ok. Let me know if there's any sort of document that will need to be compiled for a Flint declaration (e.g. something that includes descriptions of Flint's community need, vulnerable populations, etc.)

From: Weber, Thomas (MSP)
Sent: Monday, January 04, 2016 4:40 PM
To: Covey, Gabriel (MSP); McCarthy, Joyce (MSP); Kuzera, Michelle (MSP); Hollaender, Henrik (MSP); Hardy, Raquel

(MSP); Eickholt, Jay (MSP); Mark, Kevin (MSP); McQueen, Nate (MSP); Martinez, Mark (MSP); Roach, Billie Jo (MSP); High, Kenneth (MSP); Russo, Mark (MSP); Decastro, Michael (MSP); Brown, Don (MSP); Baker, Zachary (MSP); Graham, Mitch (MSP); Pepper, Joel (MSP); Schnepp, Matt (MSP); Sobocinski, Mike (MSP); Weber, Thomas (MSP)
Subject: Monday meeting notes

Nothing major this morning at the Monday meeting. The following points came up:

- Keep in mind your contributions to points within the Strategic Plan and report out on them when possible.
- The Flint County Commission met this morning and declared emergency. A request for the Governor to declare emergency was also made.
- The move is on track. Labels were passed out to everyone today. Boxes were also delivered.
- The Terrorism Tabletop was moved to January 22.
- Cap/we will be heavily involved in the response to assist Flint.

Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile

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Tom Weber, PEM
State Planning Unit Manager
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
Mobile:

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

Weber, Thomas (MSP)

From: Covey, Gabriel (MSP)
Sent: Monday, January 04, 2016 14:20
To: Weber, Thomas (MSP); Kuzera, Michelle (MSP)
Subject: Fwd: Genesee Co Press Release

FYI,
Gabe

Sent from my iPhone

Begin forwarded message:

From: "Roach, Billie Jo (MSP)" <RoachB@michigan.gov>
Date: January 4, 2016 at 2:17:16 PM EST
To: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>, "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov>
Cc: "Covey, Gabriel (MSP)" <coveyg@michigan.gov>, "Leix, Ron (MSP)" <LeixR@michigan.gov>
Subject: Genesee Co Press Release

Hello, FYI. Plus the name of Flints new PIO :

Kristin Moore
Public Relations Director, City of Flint
kmoore@cityofflint.com

FOR IMMEDIATE RELEASE

GENESEE COUNTY COMMISSIONERS DECLARE EMERGENCY

Flint, MI -- January 4, 2016 – During their first board meeting of the year, Monday morning, Genesee County Commissioners declared a state of emergency in Genesee County. The move a sign that county leaders support Flint Mayor Dr. Karen Weaver and her efforts to get resources and relief to the residents suffering from the ongoing water situation in the city.

Mayor Weaver declared a state of emergency in Flint last month to raise awareness about the severity of the problems surrounding the water situation that continues to effect residents. The problems a result of the man-made disaster caused by the city switching to the Flint River as a water source in 2014.

Following the board's vote today, Genesee County Commission Chairperson, Jaime Curtis said, "This is a state, man-made disaster and we're going to ask the state to fix their disaster. Curtis also said, "Genesee County is the fifth largest county in Michigan and we will not be ignored."

Mayor Weaver hopes the county's show of support will convince the Governor to provide the City of Flint with financial support to help leaders address immediate infrastructure needs. Those needs include more than $45 million to replace every identified lead pipe in the city, reimbursement of the $2 million spent to switch back to the Detroit Water Sewerage Department, $6 million to help with the transfer to the Karegnondi pipeline and additional resources to support the city's Heath Initiative to assist affected adults and children in Flint who have consumed water contaminated with lead.

In an interview with media after the board's emergency declaration Mayor Weaver said, "It's a victory and a step in the right direction." The mayor plans to meet with Governor Snyder in Lansing Thursday of this week to discuss the state's response and next steps.

###

Sent from my iPhone

Bullet Points on Long Term Distribution Course of Action
Direct Delivery and PODs Approach

Scope

- Direct delivery of filters, cartridges, and pitchers to residences.
- DTMB will go through an RFP process to secure contractor for direct deliveries.
- Utilize PODs primarily for water distribution and recycling.
    - 1 POD per Ward = 9 total PODs
    - Fixed Location: Parking lot next to bus route and/or transportation route based on FEMA IS26 compliant checklist
    - Box truck with just in time commodities
    - Staffing would be provided all or in part by workforce development grants
    - 9 per POD for a total of 81 personnel
- Rapid Response Teams for Access and Functional Needs (AFN)
    - 1 Rapid Response Team per Ward = 9 total Rapid Response Teams
    - 1 Rapid Response Team = 1 Box Truck and 2 personnel
    - Staffing would be provided all or in part by workforce development grants
    - Approximately 3,000 AFN in affected area
- Designated officials will coordinate pickup for franchise customers.

Strengths

- Tracking and protection of personally identifiable information is the contractor's responsibility.
- Places tracking and accounting aspects in the hands of the contractor.
- Provides a convenient and citizen/survivor centric solution.
- This COA may be supplemented by faith and community based distribution centers at their discretion (account for undocumented workers).
- Allows a phased approach transition to community pods for water distribution.
- Scalable PODs operations based on the overall demand for water.
- Follows FEMA approved guidelines for operation of a POD.
- PODs are Ward based, giving local government more visibility of the operation.

Weaknesses

- Increases the cost of the response, at least initially.
- Burn rates and other data will not be readily available.
- May require an MOU for the PODs locations.
- Increased possibility for retail fraud.
- Initial setup time will be more extensive.

Other COA Weaknesses

- Faith based courses of action
    - Require excessive number of volunteers to sustain operations
    - Unmanageable number of distribution points
    - *Religious sensitivities*

Water Distribution Schedule 2/15/2016

Time		Agency Name	Delivery Location	Pallets	Milk	Notes	Dist. Days	Time	
		Monday							
9:00am	Weekly	Calvary Community Church	1201 12th St.	20		Linn Aikins -	Tue, Thur	10am - 6pm	
9:00am	?	Uof M Flint White Building	509 N. Harrison	10		Joslyn Marinelli -			
11:00am	Weekly	Calvary Methodist Church	2111 Flushing Rd	10		Jeff Harper -	Mon. Thur Thur.	10:30 - 4pm	
11:00am	Weekly	Now Ministries	1200 Stocker Ave	6		Janice McHaney	Tue, Wed, Thur	12pm - 4pm	
1:00pm	Weekly	South Baptist	5090 Passadena Ave	40		Lonnie Thomas	Mon thru Sat	9am- 5pm	At Mt. Caramel Church 1610 Pierson Rd
2:00pm	Weekly	Evangelistic Temple	1819 Welch Blvd	10		Pastor Joe Roertson	Same Day	*Until Gone*	
2:30pm	Weekly	Bolton and James	502 Leith St	6		Annie -	Tue. Thur	10am- 2pm	
		Tuesday							
8:00am	Weekly	Greater Friendship	5165 Detroit St 48505	20	6	Pastor BJ Shields	Tue. Fri	Until Gone	
9:00am	Weekly	YMCA		1		Pam Baily -			
9:30am	Weekly	Metropoliton Baptist		3		Robert Mabry -			
10;00am	Weekly	New Birth	3918 Blackington	5		Theresa Harris	Wed. Sun	5pm - 8pm	
10:am	Weekly	St. Mark Baptist	3020 Dupont 48504	20		Angie George -	Tue. Wed. Thur	10am - 4pm	
11:00am	Weekly	2nd Chance Church	5306 North St 48505	40	2- 1st Truck	Art Horton -	Thur. Fri. Sat	10am - 3pm	
2:30pm	1 time	Calvary Apostolic Church	1013 Hughs Ave	16		Patricia Willbanks			
2:30pm	Weekly	Antioch Mission Baptist	1401 E. Stewart Ave	20		Rodale Randolth	Tue. Fri	10am- 2pm	
			1083 E. Stewart Ave Dist. Site						
		Wednesday							
9:00am	Weekly	New Jerusalem	1015 Carpenter Rd 48505	40		Barry -	Wednesday	Until Gone	
9:00am	Weekly	Job Corps	2400 Saginaw St	10					
12:00pm	Bi-Weekly	House of Prayer	1851 W. Carpenter Rd	12		Pastor Stewart	Delivered 2-10-16	Unsure so far	
2:00pm	Weekly	Worship Temple	2902 Leith St	20		Eurice Paine -	Wednesday	2pm- 5pm	
2:00pm	?	St. Andrews	*1922 Iowa Ave*	4		*Jay Ganz* -	*They would like 20 5Gal. Juggs and then 2 pallets of Gal juggs*		
2:00pm	Weekly	Piece of the Rock	1938 S. Dort Hwy	18	1	Dr Elder Sophia	Thur, Sun	2pm - 6pm	
		Thursday							
9:30am	Weekly	Prince of Peace	1417 Stevenson St 48504	20	3	Pastor Hawkins -	Daily	10am - 2pm	
9:00am	Weekly	Salem Lutheran Church	2610 ML King Ave.	20	2	Karen Boegner	Try to move Wednesday		
9:00am		GISD	6 Schools	10		David Burt			
11:00am	Weekly	Asbury United Methodist	1653 Davison Rd	6		Jim Craig			
11:00am	Weekly	Faith Gospel Temple	1525 Kent St	10		Olivia -	Thursday	3pm - 6pm	
12:00pm	Weekly	Jackson Memorial Temple	G3155 Carpenter Rd	6		David Eichelberger			
3:00pm	Weekly	New Path	765 E. Hamilton Ave.	2		Jeff Baryo -			
		Friday							
9:00am	Weekly	Greater Holy Temple	6702 Dort Hwy	20	6	Sandra Jones -	Tue. Thur. Sat	11am- 4pm	
9:00am	Weekly	North Central Church	2001 N. Saginaw St.	20		James Greer -	Mon Thru Fri	9am- 4pm	
9:00am	Weekly	Riverside Tabernacle		20		Steve	Tuesday	9am Until Gone	
11:00am	Weekly	Greater Friendship	5165 Detroit St 48505	20	6	Pastor BJ Shields	Tues. Fri.	Until Gone	
12:00pm	1 - time	Bethlaham Temple	3401 ML King Ave	20		Katie Miller -	Deliver 2-19-16 - Distibution that day		
1:00pm	Weekly	Reaching the World	6815 Verdon St 48505	15		Dr. Skeeter Holmes	Friday	Until Gone	
2:00pm	Weekly	Eternal Life Ministries	3453 Passadena	10		Elder Kincaid	Mon, Wed	11am- 2pm	
		Saturday							
8:00am	Weekly	True Hope Christian	4905 Clio Rd	20		Jackie Portis -	Saturday	8am until gone	
9:00am	Weekly	Salem Lutheran Church	2610 ML King Ave.	20		Karen Boegner -			
9:30am	Bi- Weekly	*Morrish Science Temple*	4310 ML King Ave	15		Ronald Bams'Bey	Start 2-13-16	10am Until Gone	
10:00am	Weekly	Family Missionary Church	2520 Dupont 48504	10	2	Barbra Clifton -	Sat.	10am- 2pm	
11:00am	Weekly	Success Empowerment Center	1188 Robert T. Longway	10		Pastor Jimmy Jones	Sat. 12pm - 3pm	Sun. 2pm - 4pm	

Draft Flint Water Operations Plan
January 23, 2016

The emergency response to the Flint water crisis is an "all-in" mission and will involve several operations: Initial Distribution; a Surge, Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery.

Dates given in this draft plan are all subject to the agreement of all parties.

Metrics are intended to be SMART: (Specific, Measurable, Achievable, Realistic, and Time-bound).

Initial Distribution

- Canvassing teams included the sheriff, MSP, American Red Cross, National Guard, and volunteers.
- Stops were made at every residence. When residents were home, they were offered water, filters, filter cartridges, and test kits.
- Canvassing was based on geographic areas to make the distribution as efficient as possible.
- Points of Distribution (PODS) were established and operated at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits; these were initially ARC staffed and then by the National Guard.
- The 2-1-1 system was used to address all questions and serve as the primary Point of Contact (POC) for all special needs requests (hot shots).
- The Initial Distribution was completed the morning of January 21.

Surge

- A resource surge, including 38 National Guard and American Red Cross canvassing teams began January 21. On the weekend, this increased by an additional 30 Red Cross teams.
- Daily missions were to reach as many households as possible who may not have been reached in the initial distribution. The surge included water, filters, filter cartridges and test kits.
- Every household was identified as having been reached with resources, or with information left at the door with instructions for having resources delivered.
- Canvassing was based on geographic areas to assure they were covered where risks of lead contamination and vulnerable populations were known to be higher.
- Areas with lower percentages of positive contacts in the Initial Distribution received additional support for re-canvasing.
- The PODS staffed by the National Guard continued at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits.
- Messaging focused on distribution of water, filters, cartridges, and test kits.
- 2-1-1 addressed all questions and served as POC for all special needs requests (hot shots).
- The Surge was completed January 24; remaining hot shots will continue to be served by ARC or other volunteer teams (National Guard and MSP can also be recalled if additional resources are needed.

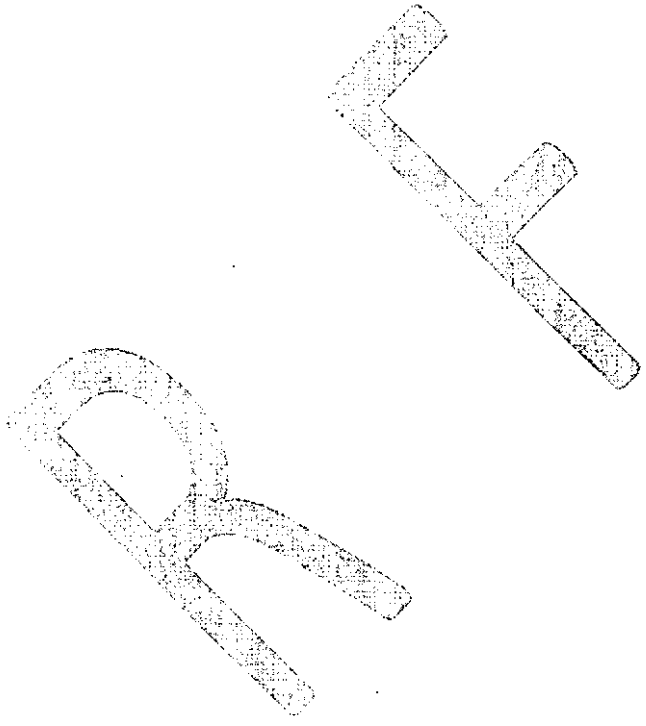
Volunteer Expansion

The Flint Community Water Crisis Response Meetings will provide critical guidance this plan. The input received and the plan are a cooperative "whole community" effort that will provide the opportunity for all involved parties to provide input to the process, including the residents, local charities and non-governmental organizations, the city, the county, and the state. An initial working group comprised of the Food Bank, Catholic Charities, American Red Cross, 2-1-1, United Way, and local and state emergency management staff will develop and implement these initial strategies for long-term distribution of filters and filter cartridges by the target date. As operations stabilize within this Volunteer Expansion, additional working groups will be formed to address specific missions.

- Goal – Transition to full coverage and streamlined processes.
  - Metric – One year of availability and supply of water and other commodities to every household and franchise customer.
- Develop messaging for the transition to volunteer and community based distribution of water, filters, and cartridges.

- Work with the federal HHS Unified Coordination Group and the Flint Water Interagency Coordinating Committee to maximize opportunities for Flint water system customer to participate in the ongoing repair and improvements to the water system and maximize the benefits of all available programs to insure that we have leveraged all state, local, federal, and non-governmental resources.
- Ongoing public messaging and education are offered to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
- All recommended solutions are implemented. Analyses are complete, and public trust in Flint water is re-established.
    - Metric 1 – Independent surveys indicate that residents and customers trust water test results.

**Dates are to be negotiated and confirmed by all parties involved.



SEOC Staffing - Flint Water Issue

Feb-16	Mon, 2/1	Tues, 2/2	Wed, 2/3
State Director	Captain	Captain	Captain
Deputy State Director	Tony	Tony	Tony
PIO			
SEOC JIC Liaison	Bowman	Bowman	Bowman
JIC Manager			
Graphics/Web support	Trevor	Trevor	
Operations	Kim/Jackie	Kim/Jackie	Kim/Jackie
Recovery	Renee(am)/Brianna(pm)	Kari(am)/Carly(pm)	Brianna(am)/Kari(pm)
Logistics	Tonya (8-4)/Kristi/Wendy (4-8)	Wendy (8-4)/Cindy (4-8)	Wendy/Kristi
Comms	Jaclyn	Law	Jaclyn
Ordering Unit Lead	Mankowski	Mankowski	Strobel
Food	Michelle/Joyce/Diane		Michelle/Joyce/Diane
Facilities	Jaclyn	Law	Jaclyn
Planning	Amanda (Nate shadow)	Nate(am)/Amanda(pm)	Carol(am)/Amanda(pm)
Resources	Sam (Nick shadow)	Gary(am)/Sam (pm)	Sam (am)/Nick (pm)
Documentation	Zach (Daniele shadow)	Daniele (am) Zach (pm)	June (am)/Zach
Situation	Zach (Daniele shadow)	Daniele (am) Zach	June (am)/Zach
Mapping	Jim	Jim	Jim
VAL	Tom	Tom	Tom
Finance	Penny	Kevin	Penny
Local EOC support Staff			
Planning Section Chief	Henrik	Henrik	Henrik
Logistics Section Chief	Jay	Jay	Jay
Operations Section Chief	Michelle	Michelle	Michelle
4th Staff	Shasta	Shasta	Shasta
District Coordinator	Roach/deCastro	Roach/deCastro	Roach/deCastro

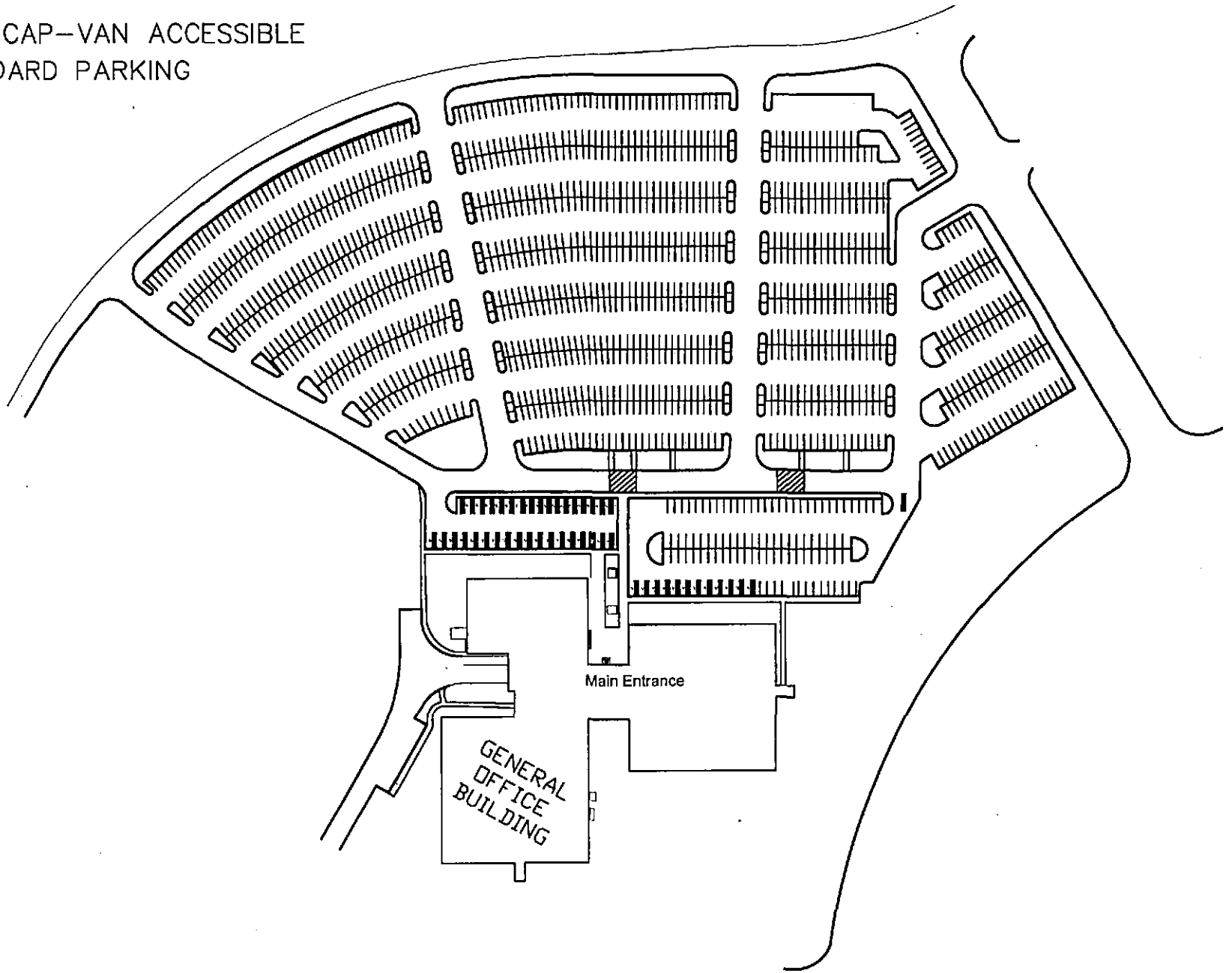
Name	Agency
Dr. Sonia Acosta Ph. D.	Centro Multicultural La Familia
Dr. Haifa Fakhouri Ph. D.	Arab American and Chaldean Council (ACC)
Mr. Hassan Jaber	ACCESS
San Juana "Juani" Olivares	Genesee County Hispanic Latino Collaborative
Mona S. Sahouri	Arab American Heritage Council
Roberto Torres	Hispanic Center of Western Michigan
Susan Reed	Michigan Immigrant Rights Center
Blanca Almanza	Latin Americans for Social and Economic Development, Inc. (LA SED)
Thomas K. Thornburg	Farmworker Legal Services
Donald Kuchnicki	Telamon Corporation
Fatina Abdrabboh	Arab American Anti-Discrimination Committee
Mr. Abdulhakem Alsadah	National Association of Yemeni Americans
San Juana "Juani" Olivares	Hispanic Technology & Community Center
Khalid Turaani	Life for Relief and Development
Taj Hayat	Kalamazoo Islamic Center
	Pakistani Women's Association of Michigan
	New Additions Since Subm
Maxine Thome	National Association of Social Workers - MI Chapter
R. Allen Lopez	Cristo Rey Community Center
Christine Sauve	Welcoming Michigan

CURRENT CONFIGURATION

HANDICAP PARKING

HANDICAP–VAN ACCESSIBLE

STANDARD PARKING



Name	New Cisco	Phone
	10 Digit Number	Model
Abendroth, Anne		7821
Anderson, Nikkia		7821
Asbridge, Daniele		7821
Baker, Zachary		7821
Barcroft, Jaclyn		7821
Bouffard, Don		7821
Bozzo, Chelsea		7821
Bresler, Amanda		7821
Briggs, Brianna		7821
Burger, Penny		7821
Chomentowski, Walter		7821
Covey, Gabe		7821
District Coordinator Office		7821
Davis, Kristi		7821
Day, Kari		7821
Daymon, Kristi		7821
Downs, Nancy		7821
Eickholt, Jay		7821
Frese, Jodie		7821
Galbreath, Wendy		7821
Garza, Oralya		7861
Georgopoulos, Carly		7821
Gilsdorf, Michelle		7861
GIS Intern D120		7821
GIS Intern D120		7821
Graham. Mitch		7821
Hampton, Jacqueline		7821
Hawks, Trevor		7821
Heintzelman, Shasta		7821
Hollaender, Henrik		7821
Jenness, Kevin		7821
Jonker-Burke, Samuel		7821
Katarsky, Tony		7821
Kelenske, Chris		7861
Kuzera, Michelle		7821
Laban, Diane		7861
Law, Rich		7821
Leix, Ron		7821
Mankowski, Mary K		7821
Martin, June		7821
McCarthy, Joyce		7861
McCormick, Matthew		7821
Nobach, Tonya		7821

STATE OF MICHIGAN
JOINT INFORMATION CENTER

Media Advisory

January 28, 2016

PHOTO/VIDEO OPPORTUNITY TODAY

Community Coalition kicks off water bottle recycling program

Who: A coalition of public-private partners including the State of Michigan, City of Flint, Genesee County, Schupan Recycling, Republic Services, Young's Environmental Cleanup, Keep Genesee County Beautiful and UM-Flint

Speakers include:

- Matt Flechter, Recycling Market Development Specialist, State of Michigan
- Heather Griffin, Waste Services Coordinator, City of Flint
- Shane Kelley, Planner, Genesee County Metropolitan Planning Commission

What: Will host a media event to announce Flint's coordinated recycling program in place for empty water bottles and used water filter cartridges

When: Thursday, January 28, 2016
11:30 a.m.

Where: Fire Station #1
310 E. 5th St., Flint

- The press conference will take place behind the fire station near the water distribution station

Details: Public and private partners will detail the collaborative short- and long-term recycling efforts for water bottles and filter cartridges.

###

NOTE: **ALL MEDIA INQUIRIES ARE BEING HANDLED BY THE JOINT INFORMATION CENTER AT 888-EMD-TODAY (888-363-8632).**

STATE OF MICHIGAN
JOINT INFORMATION CENTER

NEWS RELEASE

FOR IMMEDIATE RELEASE
January 27, 2016
Release #: 20

Efforts Continue to Provide Safe Water Resources in Flint

1,020 Homes Visited Today by Water Response Teams

Flint, Mich. – Water response teams comprised of 109 city, county and state personnel, American Red Cross and volunteers continued door-to-door delivery efforts today visiting 1,020 homes. These teams are canvassing the city providing free bottled water, filters, water replacement cartridges and water testing kits to Flint homes not yet identified as having a water filter.

As part of the distribution process, residents seeking water filters and replacement cartridges are asked to share their address. This data is being collected and mapped in real-time to assist with long-term recovery and help water response teams know where to focus their door-to-door efforts. It is important to note that no resident will be denied resources if an address is not provided, and a photo identification is not required.

Since Jan. 9, 2016, the following resources have been distributed to residents, both at the water resource sites and by water response teams:

- 196,456 cases of water
- 95,417 water filters
- 30,255 water testing kits

In addition to water response teams, water resource sites remain open daily from 9 a.m. to 9 p.m. and are located at:

Fire Station #1 (also a recycling site)
310 East 5th St.

Fire Station #3
1525 Martin Luther King Ave.

Fire Station #5 (also a recycling site)
3402 Western Rd.

MORE

Pastor Ellison, Harris, and Overton,

Below is a list of churches that have volunteered to be Church Distribution Hubs. I had direct contact with the pastors and their point of contacts. I have also conducted site assessments at their facilities.

It was conveyed to them that this initial plan was a collaborative effort, and may change with input from all parties involved.

It was discussed, and agreed that the HUB churches would network with the surrounding churches, and set up their own agreed upon distribution schedule. It was requested that the HUB church provide a list of churches that are obtaining their water from the HUB church. This list can be sent via email to Lt. Roach at Roachb@michigan.gov.

Hopefully this plan will further assist and augment our initiative of getting water to our residents more efficiently.

Request for Water

At this time the Church HUB point of contact is Lt. Roach 517-819-0841. The Church HUB will call and provide the quantity of water, and schedule the delivery time. This should be scheduled at least 24 hours in advance.

Deliveries

The deliveries will be conducted by a Mi DTMB driver, and truck. They have a pallet jack and the capability of moving pallets from their truck to a staging area. If the water needs to be transported to an upper or lower level, there needs to be people to assist off-loading.

Church Distributions

The Church Distribution HUB would be responsible to network with the surrounding churches, and set up a distribution schedule, along with amounts of water needed.

Michigan State Police Points of Contact

Lt. B.J. Roach . Roachb@michigan.gov

Lt. Mark A. Russo , Russom2@michigan.gov

Pre-decisional not for further distribution

EM-3375-MI – FEMA VAL SitRep Input

Wednesday 1/27

- Met with Executive Director of Michigan Community Service Commission to discuss current volunteer & donations management efforts and discuss ideas for transition to voluntary agency distribution
- Provided update of current activities to National VOAD Member Services Manager and added Flint, MI to the agenda for a report-out on Thursday's National VOAD Bi-weekly Operations Call
- Participated in MI VOAD Call at 5pm. Partners discussed opportunities to engage more volunteers in various agency activities, and suggested preliminary workgroups for ongoing collaboration to include: Distribution, Health, Mental Health, Communication, Education, Command & Control. Areas of focus are subject to change based on input from partners.
- MI Department of Civil Rights provided list of partners they have read about who have contributed to relief efforts, or who have considerable inroads to segments of the community. VAL provided this list to ARC Community Partner liaison and Good360 to conduct outreach.
- Solidified partner call with NVOAD Donations Management Committee for Friday, 1/29 at 1pm

Tuesday 1/26

- Provided Good360 with list of nonprofits working in/supporting Flint for inclusion on their public page for corporate donor support. Good360 is currently working with Walmart to assist in the immediate and long-term product needs of the community partners. They will focus on working with community-based nonprofits to create product needs lists, and then work with corporate partners like Walmart, CVS and others to fulfill those needs. This morning Walmart sent out a press release directing the public to the Good360 page www.good360.org/flint.
- MI VOAD Call rescheduled for tomorrow 1/27/16
- Connected member of National VOAD Board of Directors with state logistics lead to discuss corporate donation offer of 27 truckloads of water
- Spoke with lead of NVOAD Donations Management Committee regarding National VOAD partner support for ongoing operations; working to set up conference call with state for Friday 1/29 to discuss draft transition plan to voluntary agency distribution
- Held conference call with LEOC, State VAL, State Human Svs, FEMA Ops to discuss LEOC outreach to local faith-based organizations and preliminary discussions/plans to-date
- Participated in call with State logistics, FEMA Ops and Target to discuss potential donation of water and/or warehouse space
- Held conference call with Stat VAL and Red Cross Community Partnerships liaison to discuss agenda for Thursday's Community Partners Water Crisis Response Meeting; Good360 will discuss their website and answer any questions from nonprofit partners

Monday 1/25

- Worked with GIS to map 2-1-1 call data from Jan 9-14; will update when additional reports from 2-1-1 are received
- Met with state VAL to finalize discussion points for tomorrow's Community Partner Water Crisis Response Meeting
- Offered state volunteer lead assistance to identify solutions for surging capacity of 2-1-1; 2-1-1 was overwhelmed with call volume today and reached out to the state for assistance
- Offered state assistance with identifying solutions for management of donations of water
- Briefed HQ VAL Phil Shaw who will report to the HHS SOC at 0700 tomorrow on current volunteer/donations activities
- Connected ASPCA with MI Department of Agriculture

Tuesday 1/19

- Pushed state's press release on Volunteer & Donations to region, FEMA HQ VAL Group and NVOAD's social networking page on Yammer
- Developed list of potential questions from partners that FEMA/State may receive at Community Partner Water Crisis Response Meeting this Thursday, discussed with Ops Chief and State VAL to ensure we have necessary information to provide partners
- Connected NAACP with MI VOAD
- MI VOAD Conference Call 3-4pm
- Provided MI VOAD with FEMA PIN for future calls due to technical issues on this afternoon's call

Monday 1/18

- Outreach to CNCS regarding United Way direct request for AmeriCorps NCCC team – one team of 9 will be assigned to United Way 2/2 – 4/23 (not under mission assignment)
- Contacted MI VOAD Chair, Executive Director of 2-1-1, ARC leadership in MI to obtain situational awareness and inform partners of presence on the ground
- Pushed messaging for upcoming MI VOAD Call and call for volunteers to assist with canvassing to regional distribution lists, FEMA HQ VAL Group, and National VOAD's social networking page on Yammer (VOADNet)
    - HQ VAL Group pushed out to NASEDOVOC (National Association of State Emergency Donations and Volunteer Coordinators)
- Coordinated w/ State Human Services desk at SEOC to ensure 2-1-1 requests from daily reports were being filled

Sunday 1/17

- Held initial meetings with State VAL, Human Services Lead, and ARC at SEOC to determine current priorities and support needed
- Connected with MI Community Service Commission regarding volunteer & donations management
- Supported COA development

Pre-decisional not for further distribution

EM-3375-MI – FEMA VAL SitRep Input

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Monday 1/25

- Held conf call with 2-1-1 Executive Director in coordination with State VAL and State Human Svs Lead to discuss implementation of new water resource delivery form, surge capacity during high volume call times, and action items from daily reports
- Solidified dates for VAL transition. Regional VAL Jeannie Moran to arrive Wed, 1/27. I will demob 1/1.
- Provided GIS with 2-1-1 data to update map for week of 1/15 – 1/22

Sunday 1/24

- Distributed GIS map and spreadsheet of all Places of Worship in Flint to state and ARC Community Partner liaison for planning and outreach purposes
- Contacted Team Rubicon (TR) Incident Commander to discuss current operation. 6 person TR team arrived yesterday; supporting Hot Shot mission; anticipated duration of operation is 15 days.

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This is the daily 2-1-1 summary on the Flint Water Response for Friday, January 22, 2016

GENERAL INFORMATION:

- Based on State of Michigan references to "Call 211" in print and online media sources, many callers to the service think 2-1-1 is a state agency. This leads some to ask questions about potential bias in the information 2-1-1 is providing about the Flint water situation. The public understanding of 2-1-1 as an independent and impartial service is essential to maintaining our position as a trusted source of information with both the community at-large and state partners. **Michigan 2-1-1 would like to set up a call or meeting with the appropriate state representatives and some key stakeholders to standardize how the state publicizes the 2-1-1 service.**

- Central Michigan 2-1-1 has created a Drop Box folder for 2-1-1 agents taking Flint Water calls. It holds a four page master document that ensures updates and new information are immediately available to all 2-1-1 staff. It includes sections on Background Information (including President Obama's Emergency Declaration), Rumor Control, Health & Water Quality/Safety Concerns, the Taxonomy Terms 2-1-1 is using to provide referrals and track needs, a general Q&A section, and links to Printed Materials and online resources such www.helpforflint.com along with various flyers and statements on the response from State of Michigan.
    - If you have information or materials to include on the master document, please email them to jennifer.pollak@lifewayscmh.org, melissa.ladd-patnode@lifewayscmh.org, and tpage@uwmich.org.

CORRECTIONS AND CLARIFICATIONS

None today

CALL VOLUME:

Call volume continues to be higher than average, but is dropping from the Wednesday peak. Average wait time was down significantly to under 15 minutes during peak volume

- There was a brief period today when the queue for Flint water calls reached 20 callers. Central Michigan 2-1-1 contacted other regional 2-1-1 partners for assistance and was able to reduce the queue and wait time for Flint caller back down to approximately two minutes.

SPECIAL NEEDS/REQUESTS

- The lifting of the requirement to provide identification is making it easier for undocumented residents and residents without ID to access water resources. 2-1-1 working to verify whether the Hispanic Center will continue to provide access assistance for the residents.

- 2-1-1 continues to receive several calls a day from churches, nursing homes and business owners asking about filters for their establishments. They are being referred to the Chamber of Commerce to share the impact on their organizations.

RUMOR CONTROL

- No new rumors to report.

UNRESOLVED

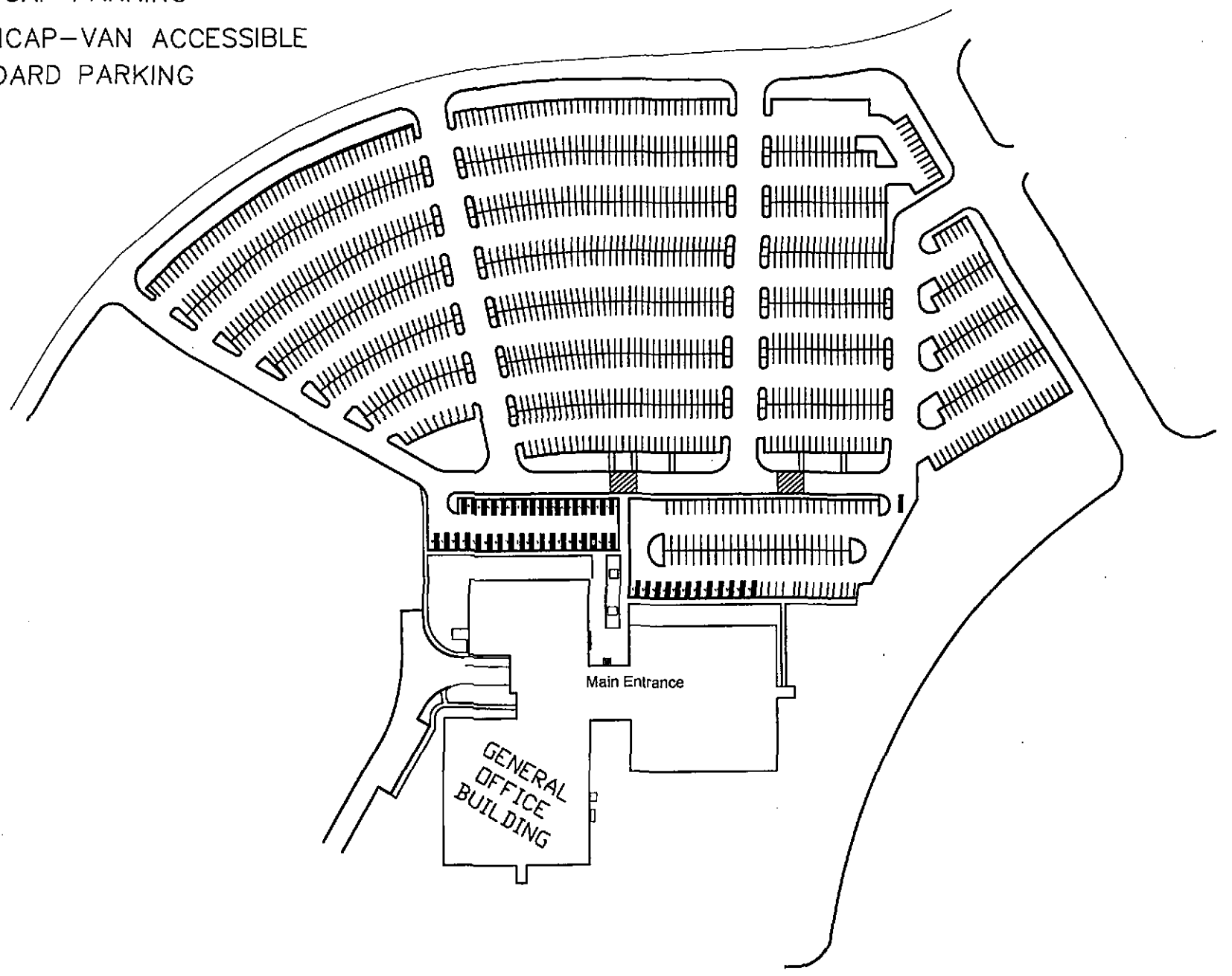
- ☐ **From 1/15/16:** 2-1-1 is trying to identify a resource *to pick up* test kits from homebound/senior *residents who cannot drop off test kits at designated sites.*

CURRENT CONFIGURATION

♿ HANDICAP PARKING

HANDICAP–VAN ACCESSIBLE

STANDARD PARKING



STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

EXECUTIVE ORDER
No. 2016 – 1

CREATION OF
FLINT WATER INTERAGENCY COORDINATING COMMITTEE

MICHIGAN DEPARTMENT OF STATE POLICE

WHEREAS, Section 1 of Article V of the Michigan Constitution of 1963 vests the executive power of the state of Michigan in the Governor; and

WHEREAS, Section 2 of Article V of the Michigan Constitution of 1963 empowers the Governor to make changes in the organization of the Executive Branch or in the assignment of functions among its units that he considers necessary for efficient administration; and

WHEREAS, municipal water in the City of Flint showed elevated lead levels after the City of Flint switched its water source to the Flint River; and

WHEREAS, the County of Genesee and the City of Flint have taken actions to cope with the situation, including but not limited to, switching back to the Detroit water system on October 16, 2016, declaring local states of emergency, activating the emergency response and recovery aspects of their emergency operations plan, marshaling and distributing required resources on a city-wide level, and issuing emergency public information and bulletins; and

WHEREAS, the Flint Water Advisory Task Force was formed as an independent advisory task force charged with reviewing actions regarding water use and testing in Flint; and

WHEREAS, the Flint Water Advisory Task Force has made an interim recommendation that the state government should coordinate a sustained, public-health focused response to remedy, to the fullest extent possible, the impacts on the Flint community; and

WHEREAS, on January 5, 2016, the Governor issued a proclamation declaring a state of emergency in the County of Genesee and the City of Flint; and

WHEREAS, multiple state departments and local authorities share the responsibility for ensuring safe drinking water and the coordination of efforts to address the consequences resulting from the presence of elevated lead levels in drinking water; and

WHEREAS, ensuring safe drinking water and addressing the consequences of elevated lead levels in drinking water will require collaboration and communication between state departments, local governments, and subject matter experts; and

WHEREAS, the establishment of a Flint Water Interagency Coordinating Committee within the Michigan Department of State Police will facilitate the collaboration and

communication between state departments, local governments, and subject matter experts necessary to effectively coordinate a response and recovery effort;

NOW, THEREFORE, I, Richard D. Snyder, Governor of the state of Michigan, by virtue of the power and authority vested in the Governor by the Michigan Constitution of 1963 and Michigan law, order the following:

I. CREATION OF THE FLINT WATER INTERAGENCY COORDINATING COMMITTEE

A. The Flint Water Interagency Coordinating Committee ("Coordinating Committee") is created as an advisory body within the Michigan Department of State Police (the "Department").

B. The Coordinating Committee shall be composed of the following seventeen (17) members who shall serve an initial term expiring on December 31, 2018.

- The Director of Office of Urban Initiatives within the Executive Office of the Governor;
- The Deputy State Director of Emergency Management and Homeland Security within the Michigan Department of State Police;
- The Director of the Department of Environmental Quality, or his or her designee;
- The Director of the Department of Health and Human Services, or his or her designee;
- The Director of the Department of Licensing and Regulatory Affairs, or his or her designee;
- The State Treasurer, or his or her designee;
- The Superintendent of Public Instruction, or his or her designee;
- The elected Mayor of the City of Flint who shall be appointed to the Coordinating Committee by the Governor;
- Three (3) additional representatives of the City of Flint who shall be submitted by the Mayor of the City of Flint and appointed to the Coordinating Committee by the Governor;
- Three (3) representatives of Genesee County who shall be submitted by the Genesee County Board of Commissioners and appointed to the Coordinating Committee by the Governor; and
- Three (3) subject matter experts who shall be appointed to the Coordinating Committee by the Governor.

After the initial appointments, members of the Coordinating Committee appointed under this subsection shall serve terms of three years.

C. A vacancy on the Coordinating Committee occurring other than by expiration of a term shall be filled in the same manner as the original appointment for the balance of the unexpired term. A member may continue serving until his or her successor is appointed. A member may serve successive terms if reappointed.

II. CHARGE TO THE COORDINATING COMMITTEE

A. The Coordinating Committee shall act in an advisory capacity to the Governor and subject to the Governor's review and approval, shall do all of the following:

1. Create an incident action plan designed to assist state and local authorities in ensuring safe drinking water for the residents of the City of Flint and addressing the consequences of elevated lead levels in drinking water.

2. Review recommendations made by the Flint Water Advisory Task Force and propose statutory, regulatory, or contractual actions necessary for implementation of such recommendations.

3. Identify staff with competencies in emergency planning, operations, logistics, and finance as outlined under the National Incident Management System (NIMS) to work with the Coordinating Committee to track resource requests and document progress on the incident action plan.

4. Establish a standard process for sharing pertinent information between all members including use of the NIMS and Unified/Incident Command as appropriate.

5. Establish routine communications protocols at the local, executive, and legislative levels as appropriate.

6. Establish a public information protocol to effectively inform the community.

7. Make recommendations for acceptable standards for potable water.

8. Make recommendations regarding the health impacts for the affected population.

9. Assess the status of infrastructure and determine feasible actions to upgrade the water system.

10. Establish subcommittees among its members to specifically address, at a minimum, each of the three following topic areas: Water Quality, Community Health, and Education.

11. Assist the Governor and the Department in implementing appropriate operations permitted under the Michigan Emergency Management Act or the federal Stafford Disaster Relief and Emergency Assistance Act, including local emergency operations plans and guides.

12. Explore any avenues of funding for response and recovery efforts including federal grants, legislative appropriations, and private partners.

B. The Coordinating Committee shall provide other information or advice as requested by the Governor or the Department.

III. OPERATIONS OF THE COORDINATING COMMITTEE

A. The Coordinating Committee shall be staffed and assisted by personnel from the Department as directed by the Department Director. Any budgeting, procurement, and related management functions of the Coordinating Committee shall be performed under the direction and supervision of the Department Director.

B. The Director of Office of Urban Initiatives within the Executive Office of the Governor and the Deputy State Director of Emergency Management and Homeland Security shall together serve as the Statewide Coordinators responsible for the administrative functions of the Coordinating Committee.

C. The Coordinating Committee may utilize subcommittees and advisory panels composed of its members to assist in completing the functions of the Coordinating Committee. The Coordinating Committee may request public participation on advisory panels as the Coordinating Committee deems necessary.

D. When making recommendations to the Governor, a majority of the serving members of the Coordinating Committee must concur.

E. The Coordinating Committee shall meet at the call of either of the Statewide Coordinators and as may be provided in procedures adopted by the Coordinating Committee.

F. The Coordinating Committee may, as appropriate to perform its duties, make inquiries, conduct studies, consult with outside experts and federal agencies, and receive comments from the public.

G. Members of the Coordinating Committee shall serve without compensation but may receive reimbursement for necessary travel and expenses according to relevant statutes and the rules and procedures of the Civil Service Commission, and the Department of Technology, Management and Budget, subject to available funding.

H. The Coordinating Committee may accept donations of labor, services, or other items of value from any public or private agency or person. Any donations shall be expended in accordance with applicable laws, rules, and procedures.

I. Members of the Coordinating Committee shall refer all legal, legislative, and media contacts to the Department.

J. A writing prepared, owned, used, in the possession of, or retained by the Coordinating Committee in the performance of an official function is subject to the Freedom of Information Act, 1976 PA 442, as amended, MCL 15.231 to 15.246.

IV. MISCELLANEOUS

A. All departments, committees, commissioners, or officers of this state or of any political subdivision of this state may give to the Coordinating Committee, or to any member or representative of the Coordinating Committee, any necessary assistance required by the

Coordinating Committee, or any member or representative of the Coordinating Committee, in the performance of the duties of the Coordinating Committee so far as is compatible with its, his or her duties.

B. Any suit, action, or other proceeding lawfully commenced by, against, or before any entity affected under this Order shall not abate by reason of the taking effect of this Order.

C. The invalidity of any portion of this Order shall not affect the validity of the remainder of the Order.

The Executive Order shall become effective upon filing.

Given under my hand and the Great Seal of the state of Michigan this 11th day of January, in the year of our Lord, Two Thousand Sixteen

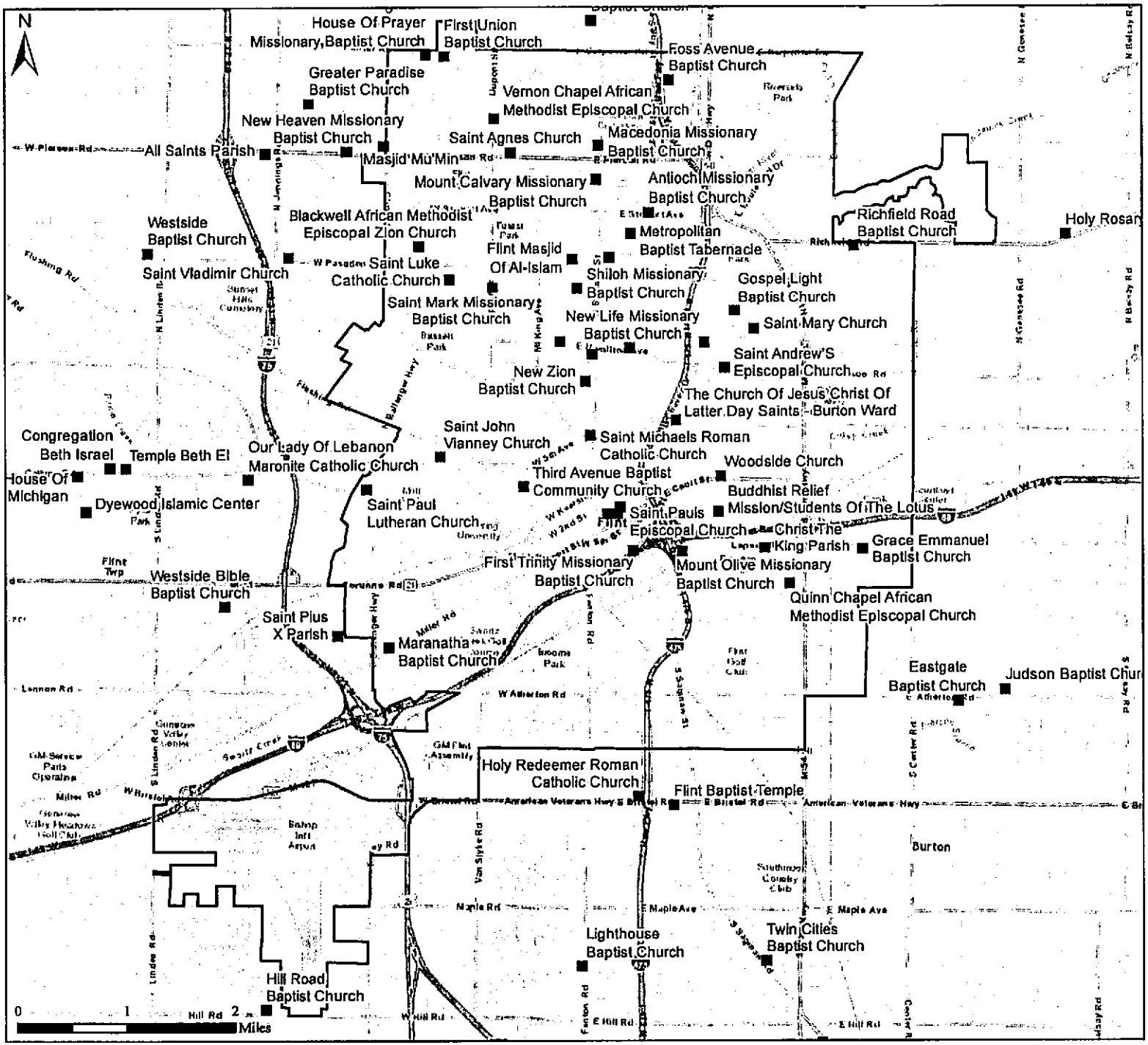
RICHARD D. SNYDER
GOVERNOR

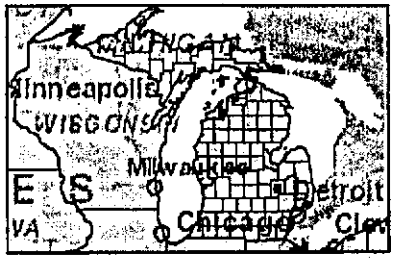
BY THE GOVERNOR:

SECRETARY OF STATE

FILED WITH SECRETARY OF STATE
ON 1/11/16 AT 10:05 AM

FEMA-3375-EM - Places of Worship





■ Place of Worship

Flint City Limits

Map Notes:
Map Scale 1:80,000
Version: 1, 1/23/2016
Data Sources: City of Flint, Michigan State Police
ESRI, FEMA, HSIP Gold 2015
© NAVTEQ – All Rights Reserved
Coordinate System:
NAD 1983 UTM Zone 17N
Projection: Transverse Mercator
Datum: North American 1983

FEMA

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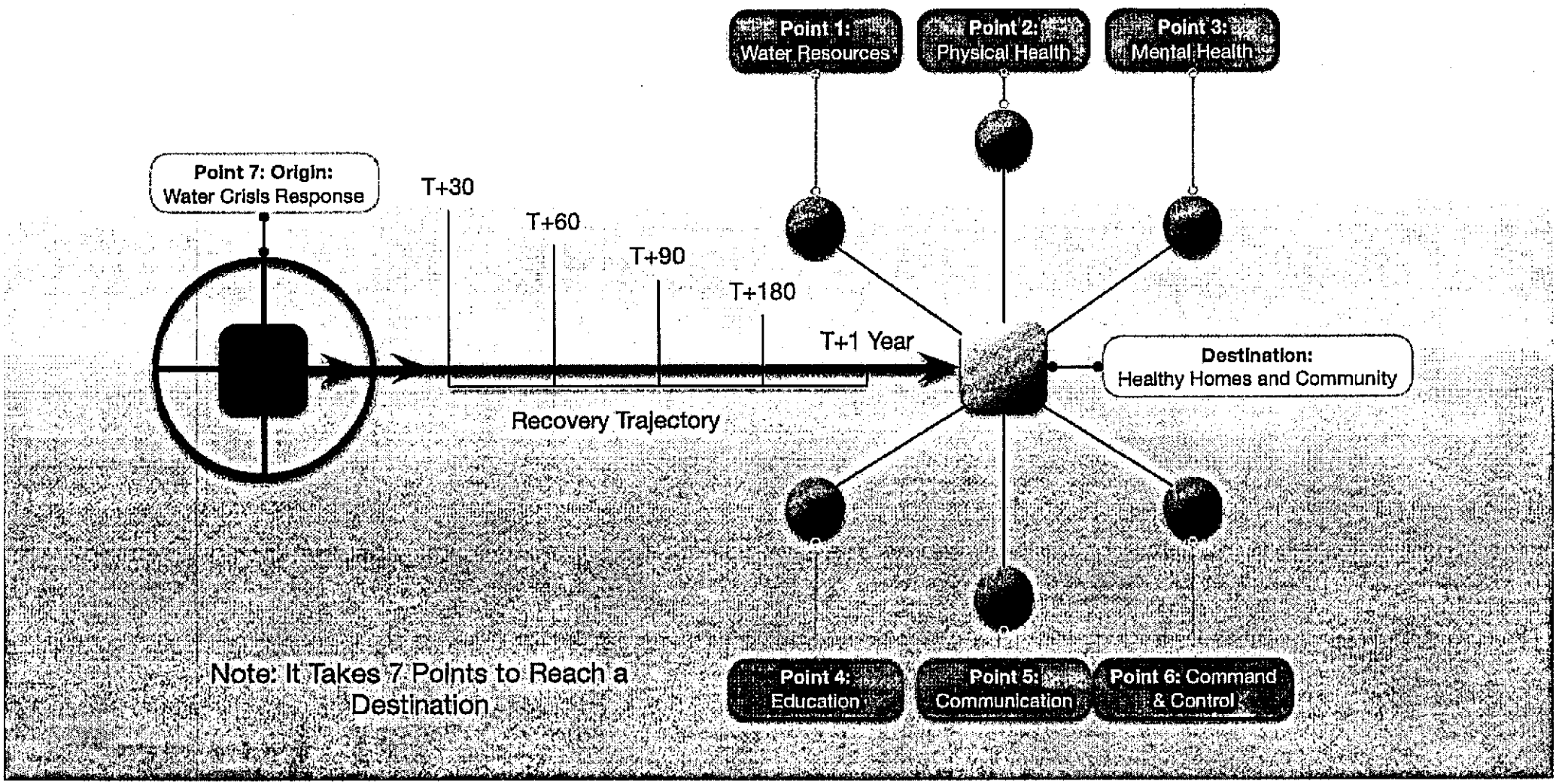
FLINT MI WATER CRISIS

RECOVERY MODEL

RECOVERY – RESILIENCE – RETURN TO HEALTHY HOMES AND A HEALTHY COMMUNITY

DESTINATION RECOVERY



RECOVERY DESTINATION DEFINITION

HEATHY HOME?

- FILTERED WATER
  - FILTERS CHANGED AT KNOWN INTERVALS BASED ON CURRENT LEAD LEVELS
- SAFE AND REGULAR SUPPLY OF DRINKING WATER
- SAFE AND REGULAR SUPPLY OF WATER FOR:
  - COOKING
  - HYGIENE
  - LAUNDRY
- PERSONAL EDUCATION
- INDIVIDUAL AND FAMILY PHYSICAL HEALTH RECOVERY
- INDIVIDUAL AND FAMILY MENTAL HEALTH RECOVERY

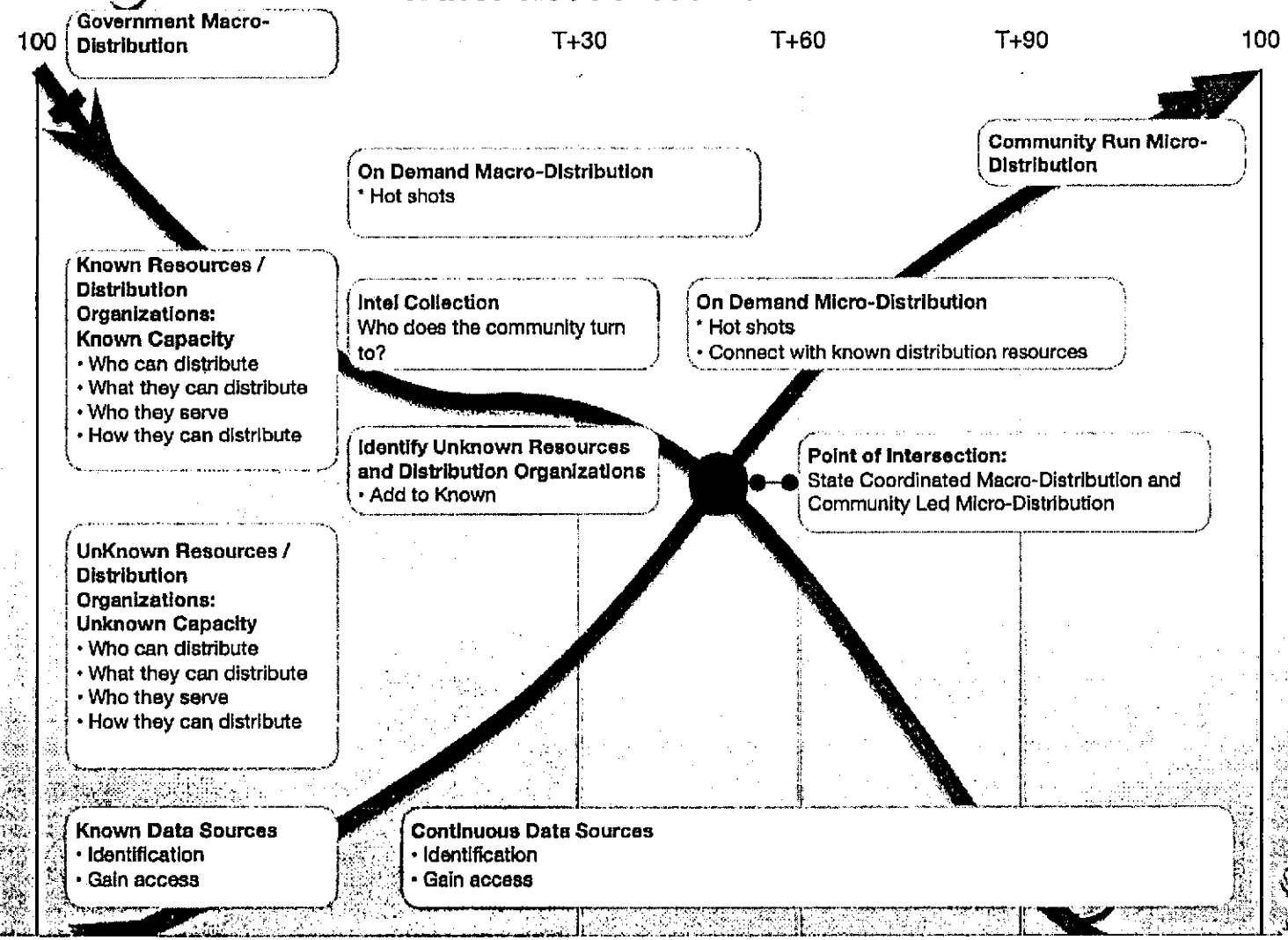
HEALTHY COMMUNITY?

- SAFE WATER
- REPAIRED INFRASTRUCTURE
- EDUCATED COMMUNITY
- SELF-SUSTAINING HOUSEHOLDS
- COMMUNITY TRUST AND POSITIVE PERCEPTIONS
- SAFE ENVIRONMENT

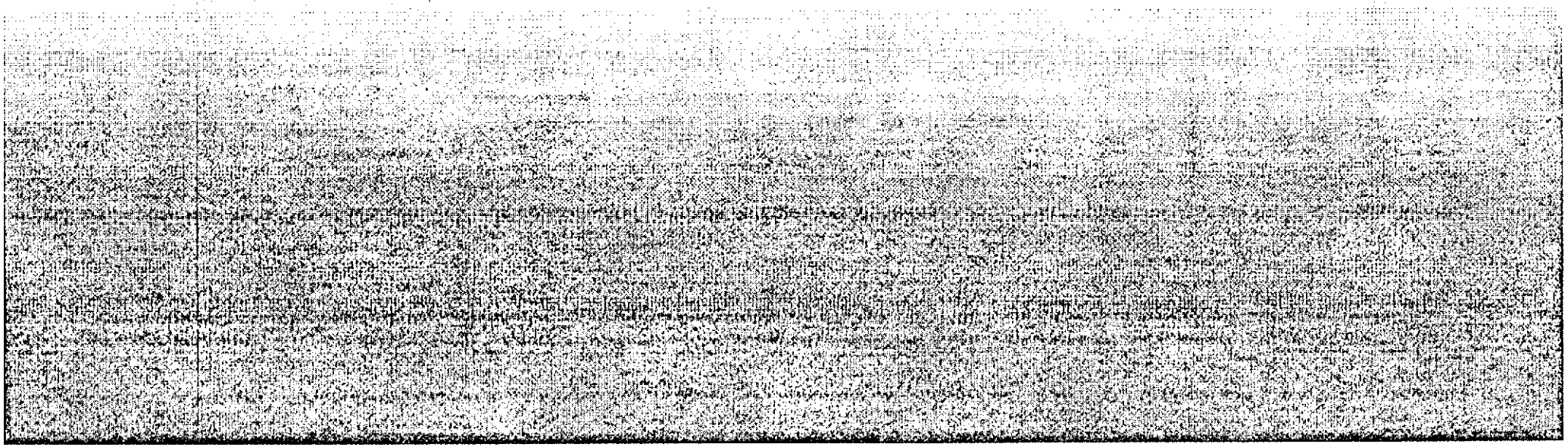
POINTS OF RECOVERY

- **R** - WATER RESOURCES
  - MACRO DISTRIBUTION TO MICRO DISTRIBUTION
- **P** - PHYSICAL HEALTH
  - *MITIGATING AND REVERSING THE PHYSICAL HEALTH IMPLICATIONS OF PROLONGED LEAD EXPOSURE*
  - NUTRITION
- **M** - MENTAL HEALTH
  - MITIGATING AND REVERSING THE PSYCHOLOGICAL IMPACT OF WATER CRISIS
  - REESTABLISHING TRUST
- **E** - EDUCATION
  - INDIVIDUALS AND FAMILIES UNDERSTAND HOW TO RECOVER
  - INDIVIDUALS AND FAMILIES UNDERSTAND THE RECOVERY PROCESS
  - INDIVIDUALS AND FAMILIES UNDERSTAND HOW TO PROTECT THEMSELVES
- **C** - COMMUNICATION
  - RAPID AND TRUSTED COMMUNICATION NETWORKS
  - RELIABLE MESSAGING
- **CC** - RECOVERY COMMAND AND CONTROL
  - PROVIDING RESOURCES
  - RECOVERY PLAN EXECUTION AND MONITORING
  - DATA COLLECTION AND METRICS

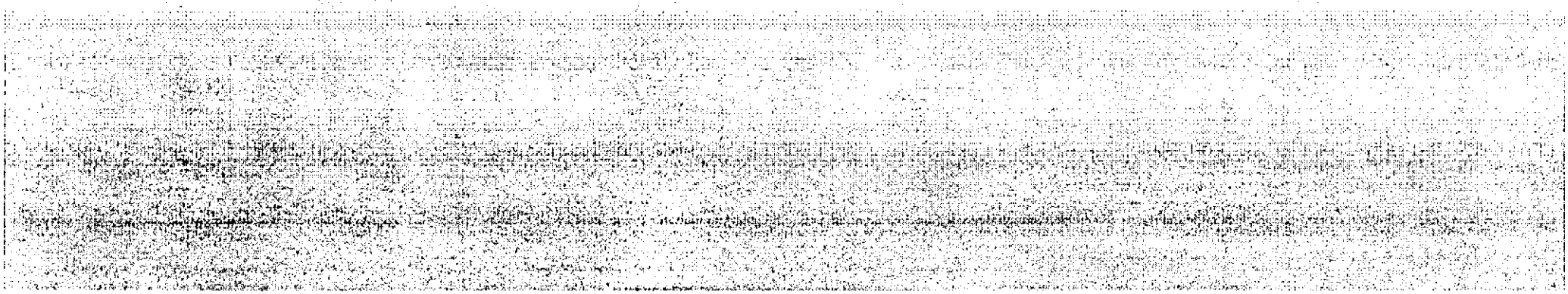
Water Resources Point Model



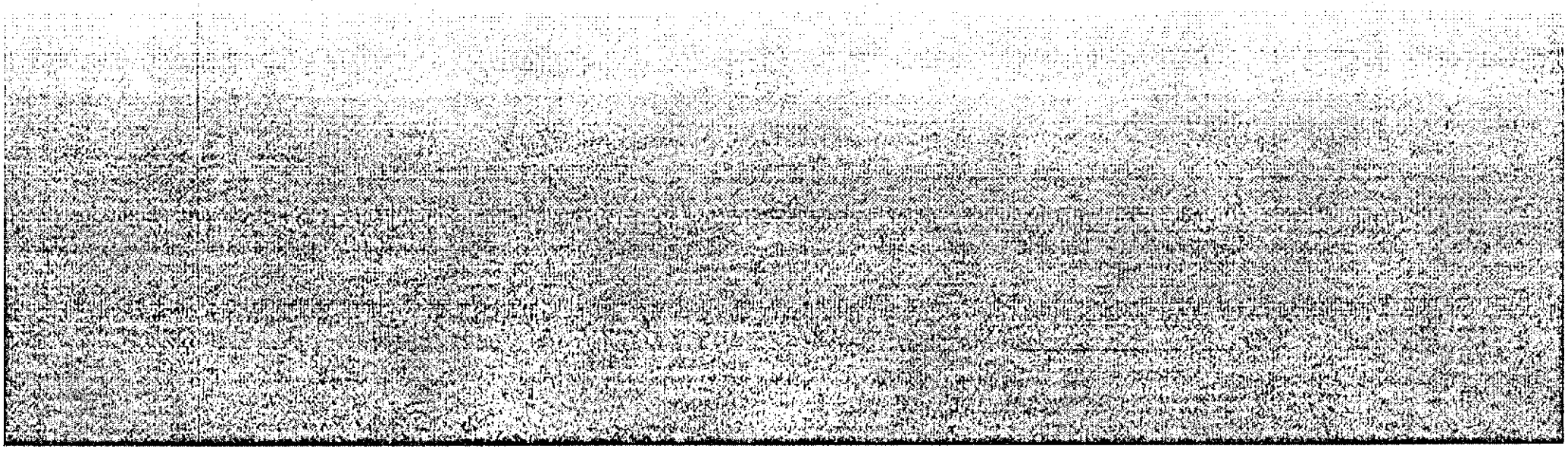
PHYSICAL HEALTH POINT MODEL



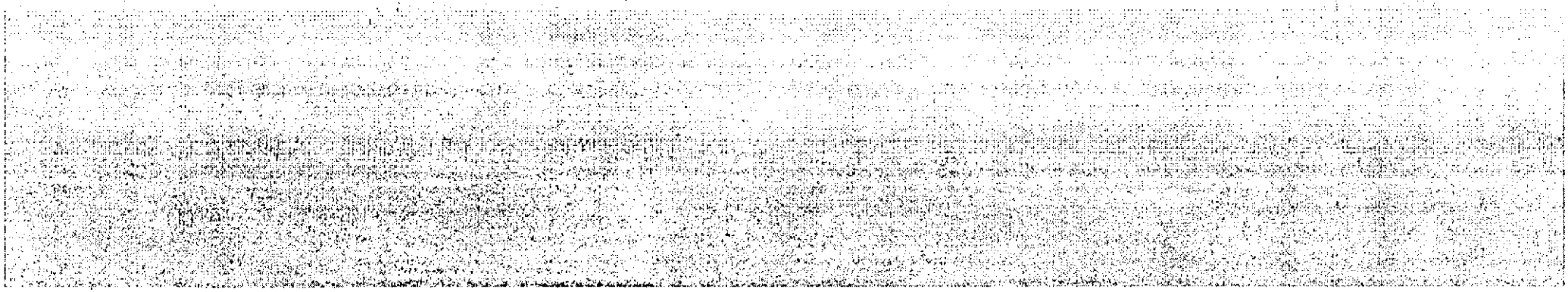
MENTAL HEALTH POINT MODEL



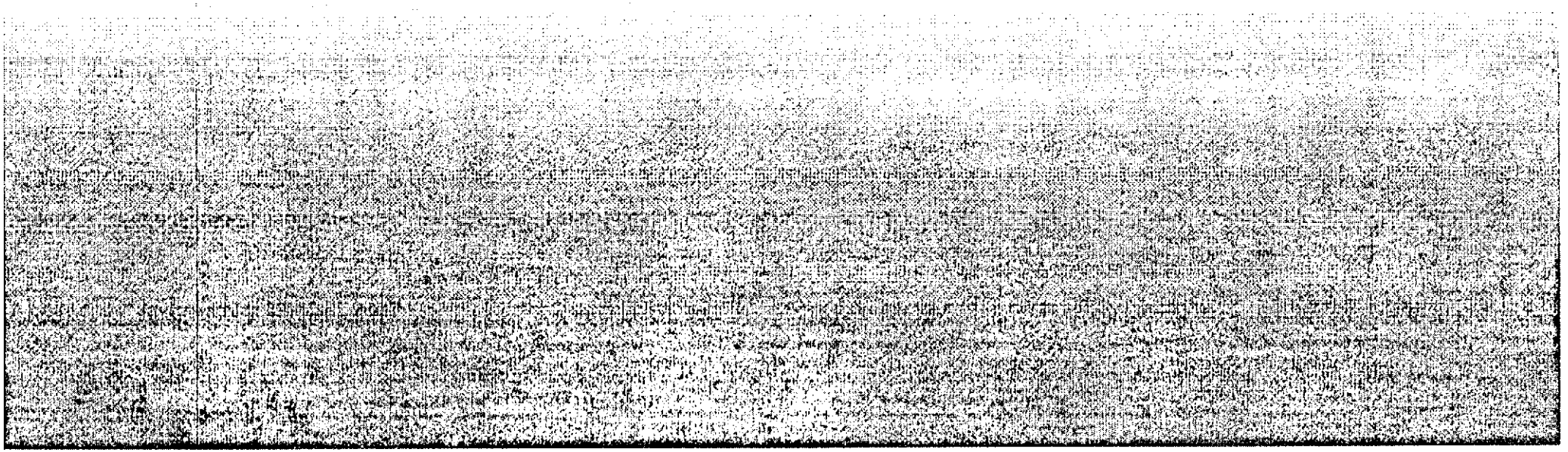
EDUCATION POINT MODEL



COMMUNICATION POINT MODEL

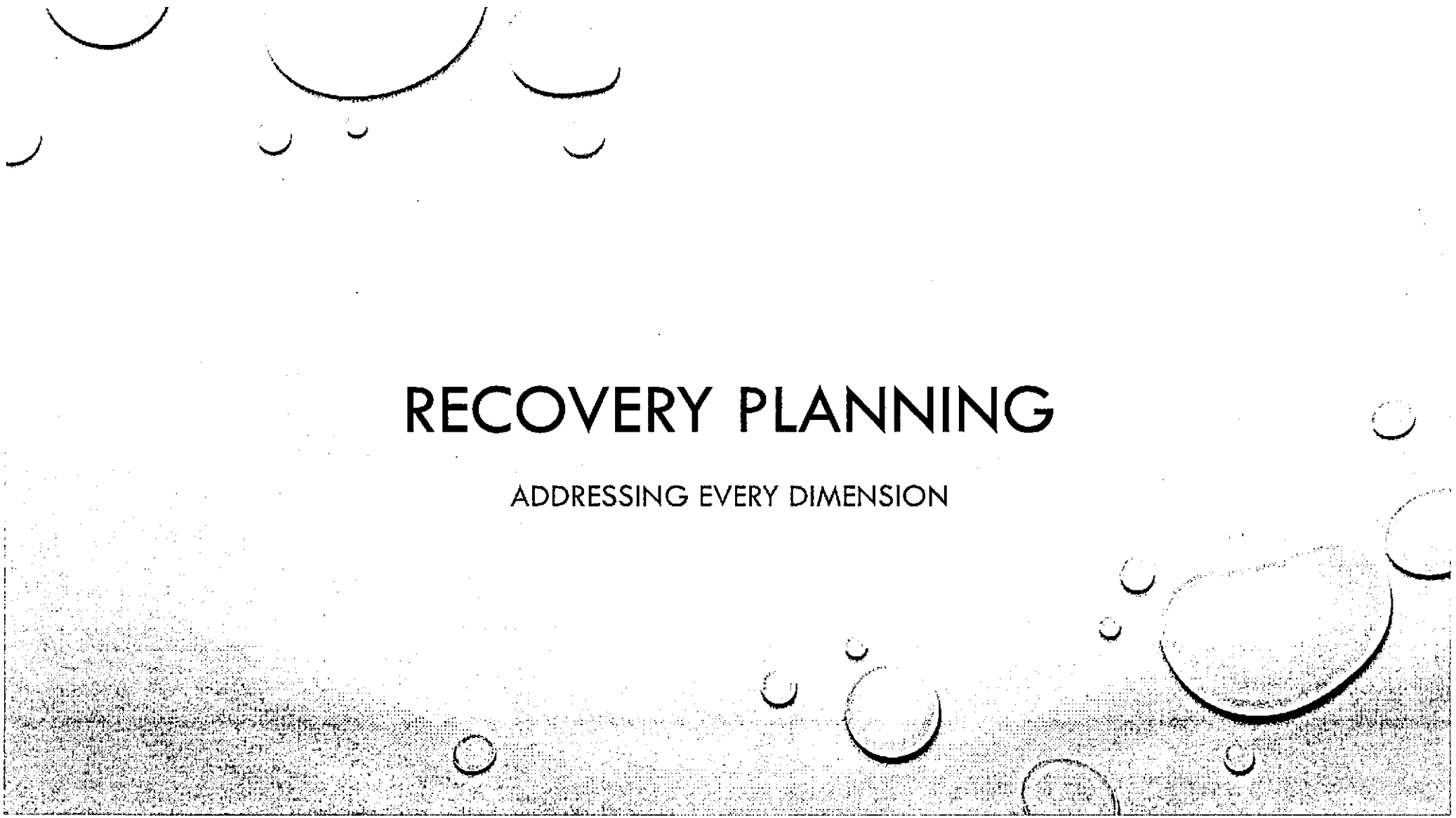


COMMAND AND CONTROL POINT MODEL



RECOVERY PLANNING

ADDRESSING EVERY DIMENSION



PLAYERS

KNOWN

- FEDERAL GOVERNMENT
- STATE GOVERNMENT
- LOCAL GOVERNMENT
- NATIONAL PARTNERS
- COMMUNITY PARTNERS
- NATIONAL NGOS
- COMMUNITY NGOS
- BUSINESS COMMUNITY
- TRUSTED DATA SOURCES

UNKNOWN

- WHO DO MEMBERS OF THE COMMUNITY TURN TO FOR HELP?
- WHO DO MEMBERS OF THE COMMUNITY TURN TO FOR INFORMATION THEY CONSIDER RELIABLE?
- WHAT OTHER DATA SOURCES EXIST?

T + 30 DAYS

WATER RESOURCE

- ACTIVITIES
- METRICS

PHYSICAL HEALTH

- ACTIVITIES
- METRICS

MENTAL HEALTH

- ACTIVITIES
- METRICS

EDUCATION

- ACTIVITIES
- METRICS

COMMUNICATION

- ACTIVITIES
- METRICS

COMMAND AND CONT

- ACTIVITIES
- METRICS

T + 60 DAYS

WATER RESOURCE

- ACTIVITIES
- METRICS

PHYSICAL HEALTH

- ACTIVITIES
- METRICS

MENTAL HEALTH

- ACTIVITIES
- METRICS

EDUCATION

- ACTIVITIES
- METRICS

COMMUNICATION

- ACTIVITIES
- METRICS

COMMAND AND CONT

- ACTIVITIES
- METRICS

T + 90 DAYS

WATER RESOURCE

- ACTIVITIES
- METRICS

PHYSICAL HEALTH

- ACTIVITIES
- METRICS

MENTAL HEALTH

- ACTIVITIES
- METRICS

EDUCATION

- ACTIVITIES
- METRICS

COMMUNICATION

- ACTIVITIES
- METRICS

COMMAND AND CONT

- ACTIVITIES
- METRICS

T + 180 DAYS

WATER RESOURCE

- ACTIVITIES
- METRICS

PHYSICAL HEALTH

- ACTIVITIES
- METRICS

MENTAL HEALTH

- ACTIVITIES
- METRICS

EDUCATION

- ACTIVITIES
- METRICS

COMMUNICATION

- ACTIVITIES
- METRICS

COMMAND AND CONT

- ACTIVITIES
- METRICS

T + 1 YEAR AND BEYOND

WATER RESOURCE

- ACTIVITIES
- METRICS

PHYSICAL HEALTH

- ACTIVITIES
- METRICS

MENTAL HEALTH

- ACTIVITIES
- METRICS

EDUCATION

- ACTIVITIES
- METRICS

COMMUNICATION

- ACTIVITIES
- METRICS

COMMAND AND CONT

- ACTIVITIES
- METRICS

Draft Flint Water Operations Plan
January 23, 2016

The State of Michigan's emergency response to the Flint water crisis will involve several operations: Initial Distribution; a distribution Surge, Volunteer Expansion (to increase the utilization of the volunteer force to distribute commodities over the longer term), Ongoing Resourcing, and Long Term Recovery.

Dates given in this draft plan are all subject to agreement of all parties.

Metrics are intended to be SMART: (Specific, Measurable, Achievable, Realistic, and Timely).

Initial Distribution - Complete

- Canvassing teams were initiated by the sheriff and fleshed out by MSP, American Red Cross, National Guard, and volunteers.
- Goal – Touch every residence with water, filters, filter cartridges, and test kits to demonstrate we have attempted to supply all residences with potable water.
- Canvassing was based on geographic areas to make the distribution as efficient as possible.
- Points of Distribution (PODS) established at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits; initially ARC staffed, then replaced by National Guard.
- 2-1-1 used to address all questions and serve as POC for all special needs requests (hot shots).
- Initial Distribution complete the morning of January 21 based on feedback from local EOC.

Surge – Complete January 24

- A resource surge, including 38 National Guard and American Red Cross canvassing teams began January 21. Daily missions were intended to reach as many households as possible who may not have been reached in the initial distribution. The surge included water, filters, filter cartridges and test kits.
- Goal – Reach every residence with water, filters, filter cartridges, and test kits.
  - Metric 1 – Every household will be identified as having either been reached and resources distributed or information left at the door as to how to have resources delivered.
- Canvassing was based on geographic areas to provide manageable areas for each team and to assure that areas where risks of lead contamination and vulnerable populations are known to be more likely receive more coverage. Also, areas with lower percentages of positive contacts the Initial Distribution received additional support for re-canvasing.
- Points of Distribution (PODS) staffed by National Guard continue at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits.
- Messaging focuses on distribution of water, filters, cartridges, and test kits noting Fire Station PODS
- 2-1-1 is addressing all questions and serving as Point of Contact for all special needs requests (hot shots).
  - Metric - _ reduction
- Surge completion is planned for COB January 24; remaining hot shots will be addressed by ARC or other volunteer teams.

Volunteer Expansion

- The Flint Community Water Crisis Response Meetings provide one important aspect to this plan and the input received and
- The plan is a cooperative "whole community" effort that provides opportunities for all involved parties to provide input to the process, including the residents, city, county, state and non governmental organizations.
-
- Goal – Move from manual distribution mechanism to less labor intensive processes.
  - Metric – One year of availability and supply of water and other commodities to every household and franchise customer.

- Develop messaging for the transition to a more volunteer/community based distribution of water, filters, cartridges, and test kits noting Fire Station PODS to be relocated to locally operated PODs by January 31 (Suggested alternate: February 12).
- Identify new water only PODs operated by local non-governmental agencies, faith-based organizations or other volunteer groups.
- Logistical requirements of super PODs
- 2-1-1 is addressing all questions and serving as Point of Contact for all special needs requests (hot shots).
    - Metric - _ reduction
- With a working group of SEOC staff and local agencies, develop and implement best methodology for long-term distribution of filters and filter cartridges by the target date.
- Transition/Soft Openings/Logistical requirements for Super PODs
- Volunteer Expansion complete by COB January 31 (or February 12).

Ongoing Resourcing

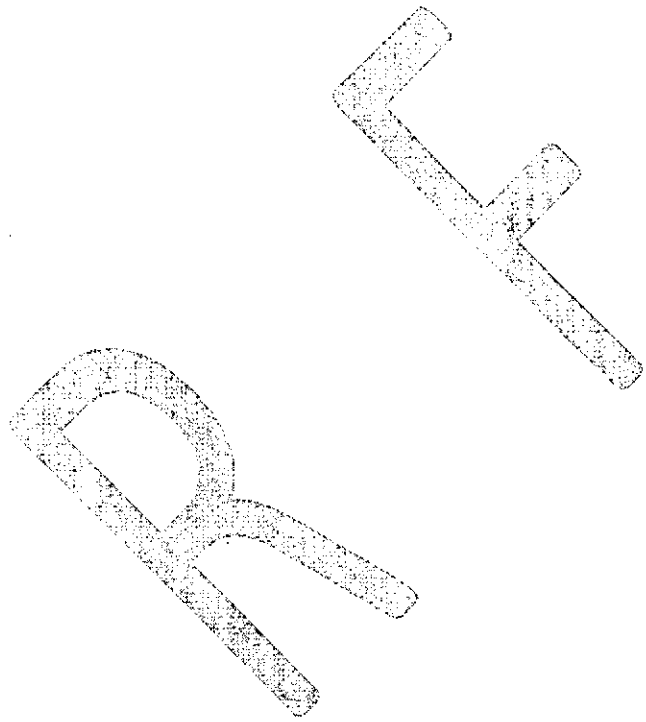
- Goal – Implement a short term filtration system off the Flint water system to support a long-term, workable process to sustain provision of potable water to residents.
    - Metric – X households and franchise customers have access to safe, clean drinking water from the Flint water system augmented by adequately filtered water at each faucet within the home.
    - Metric – Assume (or supporting statistic) 5 faucets per home.
    - Metric – Avg family size/avg consumption including cooking, hygiene plus consumption
    - Metric – Filter cartridges last x days/gallons
    - Metric – military ops, Peace Corps, US Aid/office of foreign disaster, Samaritans Purse for water consumption
    - Metric – X day supply of filters based on burn rate statistics.
- Identify warehouse space adequate for commodities for the planning period (initial assumption 1 year)
- Water distribution by the city or by faith-based or other volunteer groups.
- develop messaging for implementation of this phase and transition to next phase.
- Heavy messaging to promote the use of filtration.
- Develop messaging for the transition to a more volunteer/community based distribution of water, filters, cartridges, and test kits noting Fire Station PODS to be relocated to locally operated PODs by January 31 (Suggested alternate: February 12).
- Strategy – Create a calendar of activities/distribution including the when and where of how the activities and missions will required, including decision points.
- Establish long-term filter distribution process using USPS, vouchers, Bridge style cards, or other measureable program.
    - Is it supportable by FEMA's 90 day mission?
    - What are implications of over supply?

Long Term Recovery

- Goal –water distribution operations are normalized.
    - Metric 1 – Households are served by the Flint water system.
    - Metric 2 – Households do not require filtration at the faucet.
    - Metric 3 – All water tests meet or exceed all established water quality metrics and regulations.
- Work with the federal HHS Unified Command Group and the Governor's Flint Water Recovery Task Force to maximize opportunities for Flint water system customer to participate in the ongoing repair and improvements to the water system and maximize the impacts of all available programs to insure that we've leveraged all state, local, federal, and non-governmental resources.
- Ongoing public messaging and education are offered free to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.

- All recommended solutions are implemented. Analyses are complete, and public trust in Flint water is re-established.
  - Metric 1 – Third-party surveys indicate that __% of residents and customers agree that the water tastes fresh and they trust test results.

**Dates are to be negotiated and confirmed by all parties involved.



Church Name
Saints of God
Mt. Zion Baptist Church
Metropolitan Baptist Church
Mt. Carmel Baptist Church
Mt. Calvary Baptist Church
Grace Emmanuel Bapist Church
Asbury United Methodist Church
Christ Fellowship Baptist Church
Gospel Temple Baptist Church
New israel Missionary Baptist Church
St. Paul Baptist Church
Mt. Sinia Missionary Church
Mt. Pisgah
Joy Tabernacle Church
FairHaven Baptist Church
Vernon Chapel
Galilean Baptist Church
Triumph Church
New Life Missionary Baptist Church
Macedonia Missionary Baptist Church
Gethsemane Missionary Baptist Church
Devine Revelations Church

Address	POC
2200 Forest Hill, Flint MI	Rev. Alfred Harris
2109 M.L.King, Flint MI	Pastor Rodney Ellison
930 E. Mrytle Street, Flint mi	Pastor Herbert Miller
1610 W. Pierson Road, Flint Mi	Pastor James Kennefy
4805 N. Saginaw, Flint MI	Pastor Henry Fuller
3502 Lapeer Road, Flint Mi 48503	Pastor Marvin Jennings
1653 Davidson Road, Flint Mi	Pastor Tommy McDoniel
317 E. Hamilton Ave., Flint Mi	Dea Gilcrest
735 Wager, Flint, MI	Pastor Lewis
3417 N. Saginaw St., Flint, MI	Pastor Daniel Bridges
2115 W. Coldwater Rd, Flint, MI	Pastor Pettigrew
1215 E. Downing Ave., Flint, MI	Pastor Collins
6415 N. Clio Rd	Pastor Hill
2505 N. Chevrolet, Flint, MI	Pastor Denard Robinson
1379 Louis Ave, Flint, MI	Cassandra
5802 DuPont St, Flint, MI	Rev. Helen Williams
109 W. Holbrook Ave	Pastor Sean Payne
1657 Broadway Blvd., Flint, MI	Cedric Scott
931 E. Hamilton Ave	Pastor Campbell
G5443 Saginaw St	Pastor Lever
1258 E. Humphrey St	Pastor Randolph
902 Huron Ave	Pastor Lequin Williams

Phone	Comments
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810.787.2563	
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810.238.9605	
810.814.0045	
810.516.0478	
810.964.3735	
810.394.4772	
810.938.6672	
313.258.8967	
810.813.5702	
810.814.0243	Charlie Clark
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810.931.0310	

Draft Flint Water Operations Plan

January 22, 2016

The State of Michigan's emergency response to the Flint water crisis will involve several phases: Initial Mass Distribution; a distribution Surge, Volunteer Expansion (an increase in the utilization of the volunteer force to distribute commodities over the longer term, Ongoing Resourcing, and Long Term Recovery.

Initial Distribution – Add completion date?

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- Goal – Touch every residence with water, filters, filter cartridges, and test kits to demonstrate we have attempted to supply all residences with potable water.
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- Points of Distribution (PODS) established at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits; initially ARC staffed, then replaced by National Guard.
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- Canvassing was based on geographic areas to provide manageable areas for each team and to assure that areas where risks of lead contamination or vulnerable populations were known to be more likely were adequately covered. Also, where distribution in the Initial Distribution phase needed additional support were identified and re-canvassed.
- Points of Distribution (PODS) staffed by National Guard continue at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits.
- 2-1-1 is addressing all questions and serving as Point of Contact for all special needs requests (hot shots).
- Surge completion is planned for COB January 24; remaining hot shots will be addressed by ARC or other volunteer teams.

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- Goal – Move from manual distribution mechanism to less labor intensive processes.
    - Metric – One year of availability and supply of water and other commodities to every household and franchise customer.
- Develop messaging for the transition to a more volunteer/community based distribution of water, filters, cartridges, and test kits noting Fire Station PODS to be relocated to locally operated PODs by January 31 (*Suggested alternate: February 12*).
- Identify new water only PODs operated by local non-governmental agencies, faith-based organizations or other volunteer groups.
- With a working group of SEOC staff and local agencies, develop and implement best methodology for long-term distribution of filters and filter cartridges by *the target date.*
- Volunteer Expansion complete by COB January 31 (*or February 12*).

Draft Flint Water Operations Plan
January 22, 2016

Ongoing Resourcing

- Goal – Implement long-term, workable processes to sustain provision of potable water to residents.
    - Metric – Every household and franchise customer has access to adequately filtered water ~~at each faucet~~ within the home.
- Develop messaging for implementation of this phase and transition to next phase.
- Water distribution by the city or by faith-based or other volunteer groups.
- Establish long-term filter distribution process using USPS, vouchers, Bridge style cards, or other measureable program.

Long Term Recovery

- Goal –water distribution operations are normalized.
    - Metric 1 – Households are served by the Flint water system.
    - Metric 2 – Households do not require filtration at the faucet.
    - Metric 3 – All water tests meet or exceed all established water quality metrics and regulations.
- Ongoing public messaging and education are offered free to the public by a variety of public message outlets, media, extension courses and community workshops and seminars.
- All recommended solutions are implemented. Analyses are complete, and public trust in Flint water is re-established.
    - Metric 1 – Surveys indicate that __% of residents and customers agree that the water tastes fresh and they trust test results.

**Dates are to be negotiated and confirmed by all parties involved.

American Red Cross

Flint Water Crisis
Community Volunteer Resource Center (VRC)
Event-Based Volunteer Engagement
Manual

V1_January 13, 2016

Community Volunteer Resource Center Overview

Overview:

Damaged infrastructure and the leaching of lead into the city's water caused damage to public and private water infrastructure and has caused or threatened to cause elevated blood lead levels especially in the population of children and pregnant women. The water situation has resulted in an immediate threat to public health and safety and disrupted vital community services. The city, county and state have all declared a state of emergency and have begun distributing required resources on a city-wide level. Stakeholders, (ex. NGOs, faith-based organizations, businesses and government agencies), acknowledge that a critical component of the Flint Water Crisis response and recovery is a sustainable community volunteer staffing solution.

Purpose:

The purpose of the Community Volunteer Reception Center (VRC) is to leverage the community partner agencies' expertise recruiting and managing event based volunteers to address the staffing needs of government agencies, community partners, and stakeholders.

The VRC will:

- Expand the existing workforce to meet urgent staffing needs and encourage long term planning of EBV staffed: events, work sites, activities, etc...
- Help set the strategic direction for building, sustaining and delivering the response and recovery programs to facilitate individual, family and community recovery.
- Serve as a mechanism/tool to recognize, capture and focus the good will of the local, regional and national communities and their interest in supporting the city of Flint and its citizens.
- Acknowledge, capture and focus the good will of the local, regional and national communities to support the response and recovery of the city of Flint and its citizens.

Volunteer Expectations:

- Match the need of the assignment with the skill set and ability of the volunteer.
- Orientation, education, training, safety briefing and job assignment.
- Providing an efficient and effective volunteer intake process and satisfying work assignment experience.

Definitions of Volunteers

An event-based volunteer (formerly spontaneous or community volunteers) are those people who volunteer for a specific event or disaster and who have no previous affiliation with the Red Cross.

The CVRC (supported by all partner agencies) will handle the scheduling of volunteers for all efforts requested. There are four types of volunteers that will be scheduled:

1. Event-Based Volunteers for the American Red Cross – Volunteers that are registering to support American Red Cross Efforts
2. Event-Based Volunteers for Partner Agencies – Volunteers that are registering to support Partner Agencies

Roles of the Community Volunteer Reception Center

State Community VCR Liaison – The Michigan Community Service Coalition (MCSC) will work in this role to clarify and streamline volunteer project requests from the state and local Emergency Operations Centers (SEOC and EOC respectively) and connect those requests to the point of contact (POC) at the Community Volunteer Reception Center (VRC). This position would serve to facilitate communication between the EOC structures and the VRC and affiliated partners.

Community VCR Lead – Oversees the Community Reception Center operation. Ensures the efficiency of operation within the Community VRC. Brief and assign tasks to staff and volunteers of the center. Monitor the operation and make changes as necessary. Regular Communication with the Community Volunteer Reception Center Workforce Coordinator and State Community VCR Liaison.

Community VRC Workforce Coordinator – Serves as the Point of Contact for Partner Agencies and Stakeholders. Review all Volunteer Workforce Request Forms for accuracy, clarity, and completion. Follow up with Volunteer Workforce Request Forms with partners as needed. Submit approved volunteer workforce request forms to the Community VRC. Communicate to Partner Agencies and Stakeholders.

Reception Volunteer - The receptionist is responsible for being the first point of contact into the VRC and therefore sets the tone of the experience during the registration process. The receptionist is responsible for two primary things, initial direction and setting expectation.

Registration Volunteer - The Registration Station allows prospective EVBs register with the American Red Cross or for the Flint Water Crisis.

Interview Volunteer - The interviews allow for more information about the prospective EVB to be gathered, while assessing whether or not this prospective EVB would be interested in learning more about the volunteer opportunities available in the area.

Placement Volunteer – Ensures completion of registration packet, Place the new Event Based Volunteer for shifts when they are available. Will have their availability collected and possibly scheduled if available and matches..

Training Volunteer - The trainer will be responsible for having a brief orientation and training with the EVBs before they are sent into the field.

Data Entry Volunteer – Enters request for Volunteers and Volunteer Registration Forms into the computer. Maintains daily placement log and schedule.

Staff Wellness Volunteer – Reviews pre-health questionnaire to ensure EVB can complete the task. Must be a registered nurse.

Marketing/Communication Plan

The Community Partners and Stakeholders will create a plan together how to reach out through volunteers through the Internet and media. Information included is the current need for volunteers, with the knowledge, skills, and abilities needed, the Community VRC Location, Hours of operation, information on the VRC Process (such as background checks).

Facility Set-Up

The Community VRC facility should be setup with the following designated areas:

- Management
  - Space for the lead
- General information
  - Table or wall space for general disaster information, opportunities, and information on participating information
- Registration
  - Space with tables, chairs, and computers for potential volunteers to complete applications.
- Interview
  - Space for interviewing prospective volunteers prior to placement
- Training
  - Two or more spaces for orientation and other disaster training
- Placement
  - Space for workers to track open positions and place volunteers into those position

- Canteen
    - Space for snacks and staff breaks
- Staff Wellness (SW)
    - Space with privacy for volunteers to meet with SW

Ensure that there is signage up for each station as well as at the entrance and parking.

Receiving Requests

The VRC will receive request the following way:

1. All partner agencies are to complete the Volunteer Workforce Request Form when there is an established need for the use of volunteers.
2. All Volunteer Workforce Requestors must understand the following items:
    a. The requestor of the volunteers must assume responsibility for the volunteer's safety and actions, as well as take responsibility for management and direction while on worksite
    b. 48 hour advance notification is required for all volunteer requests and reasonable expectations
3. All Volunteer Workforce Requests must include the following information:
    a. Date of Request
    b. Requestor's name and contact information
    c. Job Description
    d. Supervisor on site
    e. Location of site
    f. Date and time (broken into shifts as needed) Volunteers are Needed
    g. Number of volunteers
    h. Qualifications
    i. Is there transportation for the Volunteers? Where should they meet?
    j. Will lunch and/or snack be provided?
    k. Any additional notes
4. Once the form is completed and approved by the partner agency it is then submitted MCSC Liaison or CVRC Workforce Coordinator
5. The MCSC Liaison or Workforce Coordinator reviews the request to ensure that it is a reasonable request for volunteers
6. After approved, the MCSC Liaison will send the request to the VRC Lead.
7. The VRC Lead will review the request.
    a. If there are no questions, the VRC POC will send to the Supervisor of the VRC.
    b. If there are no questions, the VRC POC will contact the MCSC Liaison.
        i. The MCSC Liaison will answer any questions to the VRC POC.
        ii. If needed, the MCSC Liaison will go to the Partners/Stakeholders
8. Add the request to the list of opportunities available for Event-Based Volunteers.
9. The VRC will fill the staff request with Event-Based Volunteers to the best of their ability.
10. The MSCS Liaison and Workforce Coordinator will submit to the Partners/Stakeholders so that they are aware of the status of request.

Intake of Volunteers

The VRC will volunteers as follows:

1. Event-Based Volunteers for the American Red Cross
    a. They will check in with the Registration table
    b. Complete the paperwork
        i. Media Consent
        ii. Pre Member Health Registration
    c. EBV will apply online through a portal set up by the American Red Cross
        i. They will complete an online profile
        ii. Read and sign code of conduct and CIIPA
        iii. Initiate a background check
    d. Once the application is complete, a training volunteer will complete an in-person interview
    e. The placement volunteer will ensure completion of the Pre-Assignment Health Questionnaire, ensure completion of Background Check, placement of volunteers, and availability of volunteers.
    f. The training volunteer will ensure training and orientation of volunteer.
    g. The staff-wellness volunteer will review form (must be a Registered Nurse).
2. Event-Based Volunteers for Partner Agencies
    a. They will check in the Registration Table for the American Red Cross
    b. EBV will complete paperwork
        i. Application
        ii. CIIPA
        iii. Business Code
        iv. Media Consent
        v. Pre Member Health Registration
    c. Once the application is complete, a training volunteer will complete an in-person interview
    d. The placement volunteer will ensure completion of the Pre-Assignment Health Questionnaire, ensure completion of Background Check, placement of volunteers, and availability of volunteers.
    e. The training volunteer will ensure training and orientation of volunteer.
    f. The staff-wellness volunteer will review form (must be a Registered Nurse).

VRC Station Process

I. Reception Station
   a. The receptionist is responsible for being the first point of contact into the VRC and therefore sets the tone of the experience during the registration process. The receptionist is responsible for two primary things:
      i. Initial direction
         1. If registering with the American Red Cross, give the prospective event based volunteer (EBV) both the Health and Media Consent form.
         2. If choosing to go unregistered with the American Red Cross, give packet of forms.
            a. Once they are done with the packet, they then go to the interview station
      ii. Setting expectations
         1. There may be situations where when a prospective event based volunteer may not be able to volunteer immediately. In such cases, communicate with the EBV that they will complete an availability sheet and be contacted when an opportunity is available to volunteer.

II. Registration Station
   a. The Registration Station allows prospective EVBs to begin their Volunteer Connection account and makes them an official Red Cross volunteer.
   b. For efficiency, this role is to be staffed by a Volunteer Services AmeriCorps Member. This individual is responsible for two things:
      i. Resetting the computers to the Entry Point homepage, allowing for easy access when signing up.
      ii. Answering any questions about Volunteer Connection for the prospective EVB.

III. Interview Station
   a. The interviews allow for more information about the prospective EVB to be gathered, while assessing whether or not this prospective EVB would be interested in learning more about the volunteer opportunities at the Red Cross and getting involved in other areas.

IV. Placement Station
   a. The Placement Station is the most important station in the VRC because this is where the new Event Based Volunteer will have their availability collected and possibly scheduled.
   b. The Placement Station will serve under these functions:
      i. If volunteering with the ARC; Check the profile to ensure all steps have been completed in Volunteer Connection

ii. If not volunteering with ARC, run ICHAT background.
iii. When the EVB comes to the station, take the Health and Media Consent form as well as the interview and paperclip them together
    1. If the Health Consent has a yes checked, send to the Staff wellness.
        a. If they can volunteer for an opportunity available, they would proceed to the Placement Table.
iv. Go over the job opportunities that are available
v. Go over the DRO Assignment Sheet
vi. Complete the excel Assignment Sheet to log the schedules and shifts. This will be essential in calling volunteers back when assignments do open
vii. Add to the placement list
viii. At the end of the day, pull the excel sheet and see if there are any previous shifts that could be filled

V. Training Station
    a. The trainer will be responsible for having a brief orientation, training, and safety overview with the EVBs before they are sent into the field.

Call Back Process

If a volunteer is available for other opportunities complete the following process:

I. Call back the volunteer and schedule them.
    a. If scheduling, place on schedule and indicate that you called them back.
    b. Update any further availability that they might have.
    c. If leaving a message, please indicate what the need is and a number to call back
II. There is also the option to send an email to all volunteers with shifts as needed asking to email back if they can fill a schedule.

Volunteer Request Process Flow

Step 1:
The volunteer request form is filled out by the EOC/SEOC point of contact and emailed to the Workforce Coordinator.

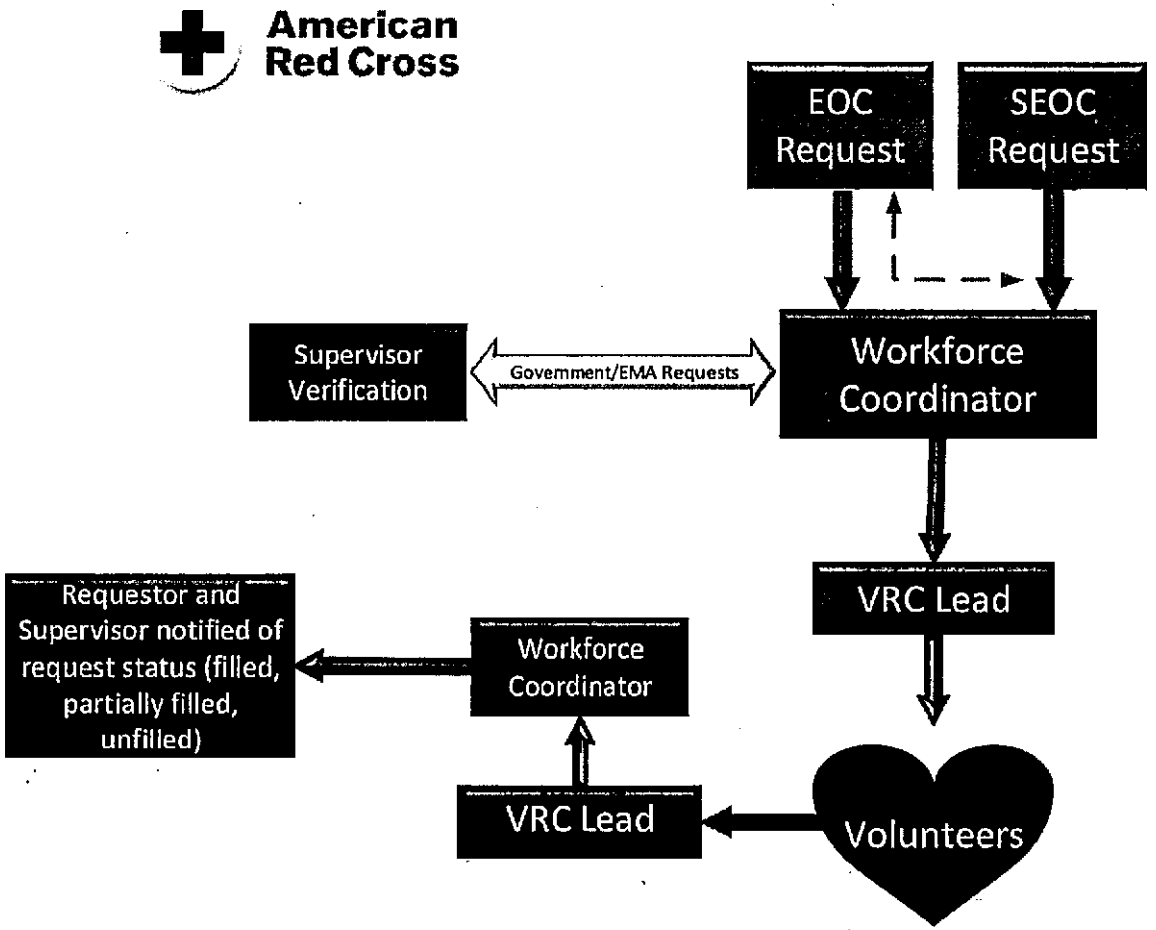
Step 2:
The Workforce Coordinator contacts the Job Assignment Supervisor listed, on the request form, to verify the information.

Step 3:
The request is then forwarded to the Volunteer Reception Center Lead.

Step 4:
The VRC Lead sends the filled request back to the Workforce Coordinator.

Step 5:
The Workforce Coordinator then notifies the Requestor and the Job Assignment Supervisor of the request status.

Step 6:
The Job Assignment Supervisor assumes responsibility for communicating any changes to the work assignment.



Voluntary Agency Coordination

- Ensure transparent communication between all levels of government and voluntary, faith-based and community organizations (Local, State & National)
- Provide technical assistance to support State and Local plans for volunteer & donations management
- Provide technical assistance to develop State and Local plans for long-term distribution of commodities and individual & household support through voluntary agency partners

FEMA

Voluntary Agency Coordination

- Voluntary Agencies are supporting:
  - Warehouse management
  - Volunteer Reception Center
  - Water Response Teams
  - Water test kit assembly
  - Volunteer feeding
  - Collection of in-kind and monetary donations
  - Public information & referral services

FEMA

Voluntary Agency Coordination

- Key Voluntary Agency Partners To-date:
  - Michigan Voluntary Organizations Active in Disaster (MI VOAD)
  - American Red Cross
  - United Way of Genesee County
  - Food Bank of Eastern Michigan
  - Michigan 2-1-1
  - Catholic Charities of Shiawassee and Genesee Counties
  - Local faith-based partners

Community Partners Water Response Meeting Minutes
1/21/2016

- Safe place to discuss, won't leave the room
- It will take whole community to serve long term and short term crisis
- Goal is to look to the future, cut off potential problems, or solve problems that don't even exist yet
- Today will frame future meetings

Chris DeVriendt

- Progress is being made
- By close of today, canvas of entire city complete
- Tomorrow, round two begins
- Adjusting strategies, identifying houses that didn't get reached, provide replacement filters
- 200 national guard on the ground filling various roles, looking to take on other roles
- Current NG deployment is 6 days as orders stand right now
    - NG looking at warehouses, door to door campaign
- Supplement with new programs
    - Team Rubicon, Sat and Sun, helping with vulnerable populations
    - MSP provides map that identifies vulnerable populations
    - If you know of other segments that are not getting service, let Chris know
- Currently no target, immediate relief
- Who is point of contact when someone is identified as vulnerable?
    - 211, sheriff
- Pipefitters union doing installs
- Lists are constantly being refined
- Question: is map of vulnerable pop based on self-identification?
    - Data comes from MSP
    - Individuals can call in directly identifying themselves, as are church groups
    - Not going to say no, everyone gets the same service
- Question: what's the long-term distribution plan?
    - Neighborhood Engagement Hub has been helping people currently

Tom Weber

- Planning on attending meetings weekly
- Mapping of vulnerable populations is coordinated through several agencies
    - MDHSS provides data
    - Office of Services to Aging provides data
    - People coming in through 211
- Here to support you
- Opportunity to coordinate with state activities
- Identify what we are doing individually and as a group
- When there is information to share with the state or needs that need to be met by state, Tom is the voice/go between for the state
- Many activities
    - Human services, DEQ, department of agriculture, department of education

FEMA Representatives

- Thank you for work being done
- Overview of emergency declaration, authorities provided, what FEMA support looks like
    - Jan 16 president signed emergency declaration
    - Authorities outlined
    - Authority is limited to commodity support
        - Water, filters, cartridges
    - Working closely with state to identify needs
    - Based on declaration, can continue for 90 days
    - In these meetings, plan to develop long term strategies for community needs
- HHS Led Group
    - Long term/infrastructure planning
    - Handouts: fact sheet on emergency declaration and HHS
    - Goal to make plan to distribute commodities in the longer term
    - Press release talks about US HHS
    - Dr. Laurie is designated official, coming in with federal agencies, setting up distinct operation
    - Emergency declaration focuses on commodity needs and possibilities, day to day needs of people

    - Housed in state emergency operating center (EOC), JIC (joint info center), local EOC, warehouse, points of distribution
    - Second team coming in to help HHS set up operations, support planning of federal partners
    - No involvement in canvasing/boots on the ground—local, county, and state resources covering this
    - Providing technical assistance
- Critical to future planning
- Have contact list for collaboration, resources, access to larger volunteer agencies and faith-based organizations

Lauren

- Disaster response expert, operations and logistics
- Supporting state with planning execution and logistics
- Disaster cycle
    - How different organizations come together around this
    - Details about current operation
    - Prepare, immediate response, long term recovery
    - Currently in immediate response phase
    - All disasters are local (community organizations and local government are the critical point for the disaster operations)
    - All other agencies come not to take over, but to support local organizations meeting needs
    - Mission is to put a filter in every home of impacted area
    - Four primary methods
        - Points of distribution (people coming to fire stations)
        - Water response teams (door to door delivery)
        - "Hotshot" (if someone calls or is homebound, targeted door knocking)
        - Partner distribution/local organization distribution (giving supplies to a local organization to do the distribution themselves)
    - Methods can be inconvenient for those being served, impacts day to day life
    - Need to shift to a method that integrates into regular day to day routines of residents, create convenient models for distribution
    - Every household is offered:

        - Door hanger with info
        - Bottled water
        - Filter
        - Filter replacement
        - Test kits
    - Sometimes we run out, but goal is to supply complete package
    - Geographically, entire city is covered
    - Not going to stop until it can be guaranteed that a filter has been offered to every home
    - Some homes currently have no filters/we don't have data to prove every home has a filter
    - Door to door will continue
    - Leverages every place they interact with everyday, so that distribution is not an extra burden
    - Impact area is everyone on the water system
        - Those affected outside of Flint city limits are being served as well
    - Question: are filters all one brand?
        - Currently three types:
            - Brita faucet filter
            - Pur faucet filter
            - Zero Water pitcher
        - Brita **pitchers** do not work
        - All stations, assuming that warehouses are full, have everything
        - Vendors only have certain capacity, FEMA is working on ensuring we have an adequate and consistent supply of variety
        - If we max out vendor's capability, we will look into alternative sources, seeking redundancy/more vendors
    - Defense Production Act
        - These filters will be sourced to support this effort
        - Overseas shipments are being re-routed to support this effort
    - Test kits
        - Special bottles, need to be received, tested, and verified to use
    - Governor's website is adding a link for vendors to submit information for review
    - Try not to direct people to EOC (they are inundated)

Plan for tomorrow through Sunday night (does **not** mean things end on Monday)

- Continue with current distribution model (four methods)
- Go back again to make resources available until we can say with assurance that we have offered filters to every house
- How is house defined?
    - Defined as household, regardless of structure (including apartments, etc.)
    - Red Cross, state trooper, sheriff, national guard, air force, EBVs, are all acting as water response teams
    - Regardless of team, all are offering the same stuff in the same way, tracking data in the same way
    - What about people who won't open door to government agency?
        - Red Cross & volunteer teams will address these areas, once information is available about what these locations are
        - Increase partner distribution (e.g. churches, schools, other normal touch points for individuals)
        - Need to work through logistical details
        - Health centers as a good potential distribution site
        - Need for this group's local knowledge to guide insights about refining methods/distribution points, to change to a better model to meet needs in a way that doesn't require door to door
        - Cautious about driving everyone to a new location
        - Messaging important
    - Other places where filters are available
        - Health department, WIC clinics, Dialysis, MTA, Comcast, and others providing smaller, targeted distributions
    - Who maintains list of distribution sites?
        - Anyone who wants to be a distribution center or donate supplies or volunteers—send to Chris
        - Three contact names & numbers:
    - Currently other sites possible for distributing water, since we are reaching the limits of current capacities
    - Ample supply of water from state—direct people who want to donate water to Flint Children fund, which at this point will be more helpful

- Unless people are sending by the truckload, try to redirect individual donations to online monetary donations
- Food Bank needs solutions for
  - How long are we using water?
  - How are we recycling water bottles? (recycling will be in effect very soon, there will be educational outreach)
  - No trust about filters, lots of misinformation about filters
- Flint school parents don't trust bathing in the water as well
  - To say anything with certainty about safety at this point impossible
  - Need more data from testing
  - 2800 samples already in Lansing
- Health department stance is that bathing is safe
  - This kind of lead not absorbed through skin
  - Concern for small children who might ingest bathwater
  - This is the messaging on the door hangers being distributed
- If someone is buying a filter on their own, they need to make sure it is rated properly—standard filter in a store may not work
- Disabled & seniors may not be able to carry supplies or leave homes
  - MTA provide transportation assistance?
  - Where is the best source for data about these vulnerable individuals?
  - For elderly: VAAA
  - Disability: Mike Zelley
- Map (handed out)
  - Squares indicate target area
  - Entire geographic area has been covered
  - Dots indicate water response teams that started Tuesday confirm a filter transaction, also indicate identified vulnerable populations (data from VAAA, Disability Network, and others)
  - Planning on doing comparison of the data sources we have
  - Contact visiting physicians, home caretakers, private entities for data?

- Community Volunteer Reception Center
  - Working exceptionally well
  - 211 directs EBVs to Red Cross building
  - VRC is managed by Red Cross Americorps and United Way staff

- Average time to be registered and assigned a job is 25 minutes maximum
- Thanks to gracious partnership with MTA, longest anyone has had to wait to be transported to job site is 10 minutes
- 4 MTA drivers in Red Cross lobby to transport volunteers out to job sites
- Cards are distributed to EBVs with number for pick up and drop off
- Thanks to MTA, volunteers can work at their own pace—excellent!
- Hours of operation of VRC change depending on need, depending on staffing requests coming from state and local EOC and community agencies
- VRC hours are currently 9-7 today and tomorrow, weekend hours TBD
- See handout: volunteer workforce request form
  - After it's ensured that form is accurate, it is given to VRC lead to be filled by incoming volunteers
  - Send form to single point of contact
- Increased media coverage has led to many prospective volunteers coming in
  - Facilitate more job opportunities for these incoming volunteers for the future
- Workflow of VRC provided in diagram
- So far we have been able to fulfill all the requests that have come in

Response Topics

- Spiritual/Emotional/Mental Health
  - Who is providing this right now?
  - Who needs to be involved?
- Helen
  - Parents in emotional distress about long term effects on children
  - 211 has no plan in place for dealing with these issues
  - For people in extreme distress, 211 uses their standard response, no specific response
  - 211 only as strong as the information that can be provided to them about community needs and resources
  - Part of responsibility of these meetings is to identify individuals/organizations that can respond to these issues

- Current provider network for mental health includes Catholic Charities, Family counseling, Genesee Health System
  - These providers are not necessarily prepared to deal with this specific question en masse
  - At this point probably not prepared to respond in an intentional way for the water crisis
  - Disaster teams communicate with largest players?
  - Catholic Charities discussing how to address specific issues/seeking resources
  - Chris: SAMSA has dedicated a hotline for people to call
  - At health department, recognize huge need for trauma care for children and adults
  - Current facilities do not have the long term capacity for the amount of trauma
  - Federal teams working with GHS to support these efforts
  - Well defined, narrow scope of federal funding currently—mental health is being addressed through alternate channels
  - Every agency at federal, state, and local level working on this issue, even if some things cannot be achieved solely within the parameters of the presidential declaration
  - Importance of carrying a consistent message
    - Balance between acknowledging the tragedy of the disaster and recognizing that a learning/cognitive disability is not a death sentence
    - Need for consistent, positive messaging
      - Funneled through JIC
    - Some players ignorant or not reporting correct facts
    - Leadership needs to step up to address misinformation, sensationalism, and quell fears
    - Leaders can come to EOC to see official press releases
    - Hard to prioritize PSAs currently with so much going on
    - JIC
      - Newsroom/media room where press releases are produced
      - Information from a variety professional sources
      - Produced in prose suitable for the public to digest
      - Emphasis on consistency

    - Agencies can turn to JIC to distribute information to larger audience
    - Information changes fast

Other Topics/Questions

- What to do with weekend donations of water?
    - Being directed to Red Cross
    - Red Cross accepting donations 7 days a week
    - Trying to make sure public doesn't think Red Cross is a distribution point
    - Seeking more neutral locations that can potentially serve as donation and/or distribution points
        - Where it can be moved easily, sit for a period of time
        - Diplomat a potential site?
        - Other businesses with space?
        - Current biggest space is the warehouse
            - Warehouse needs to process larger donations
- Where did flintwaterinfo.com come from?
    - Inaccurate information
    - Being addressed by United Way
- Average wait times for 211 calls?
    - 400-500 calls a day
    - Grand Rapids, Flint, and Detroit call centers on backup
    - State of the state address/national attention led to 800 calls a day going from a 2 minute wait to a 20 minute wait
    - With every public mass communication, number of calls spike
    - Communication is critical for management of that system
    - Regimented process for 211
    - Every single call is responded to
    - Customer service key
    - State looking into building out this system, building capacity to alleviate buildup
    - Health department working on a plan to bring in temporary staff just to man phone calls, but currently don't have ability to field so many calls and questions

    - All nonprofits actively engaged are having to build capacity enhancement
    - Be patient with people who are frustrated, understand that organization's current teams are under a lot of stress
- Who else should be at these meetings?
    - McLaren physicians group want to participate
    - Diana Kelly invited
    - VAAA invited
    - Family Service Agency (serve elderly) should be invited
        - Contact point
    - Michigan VOAD
    - If you think of other groups who should be at these meetings, invite them!

Next Steps

- In contact with state and national groups to address mental health issues
- Think big
    - Hope to secure enough supply of commodities on the ground to cover at least a year under presidential declaration
    - What is best ongoing, sustainable way to get commodities out to people long term?
        - Direct mail from vendors?
        - Vouchers?
    - Want to have least amount of impact/intrusion on people's everyday routines
    - FEMA wants to know thoughts and ideas from group at this meeting, since you know the community
    - Commodities only include water, filters, cartridges, test kits
    - Emergency declaration would have to be appealed by governor's office
        - Appeal for more FEMA aid currently being reviewed
- Future meetings: weekly on Thursdays 3 pm – 5 pm

1. Situation:

There are 45,000 active water meters in the impacted area
As of 2130 on 01.13.16 17, 276 households have received water filters
MAP

2. Mission Statement:

Ensure all households within the impacted area have the required resources

3. Execution
   a. Commander's Intent
      i. Distribute filters and additional resources to all impacted households within 5 days. The priority of effort is the Fixed Points of Distribution (PODs).
   b. Concept of Operations
      i. Distribution of resources will be conducted using 4 methods: Fixed PODs, Mobile Distribution Teams, Rapid Response Distributions, and Local Partner Distributions.
      ii. Tasks
         i. Fixed PODs
            1. Red Cross will staff all sites through ~~XXX~~1/14
            2. Red Cross will conduct transition brief with Michigan National Guard on ~~XXX~~1/15
            3. Michigan National Guard will assume staffing responsibility as of ~~XXX~~1/15
         ii. Mobile Distribution is being conducted via Water ~~Resource~~ Response Teams
            1. Recovery Branch Support will determine Water ~~Resource~~ Response Team composition, standards, resource requirements, and priority areas for distribution
            2. Michigan State Police will provide command and control (assemble, coordinate, monitor) of Water ~~Resource~~ Response Teams
         iii. Rapid Response Distributions
            1. Local EOC Operations Section Chief/District Coordinator will approve partner requests for distribution support
            2. Local EOC Operations Logistics will execute Rapid Response Distributions
         iv. Local Partner Distributions
            1. Local EOC Operations Section Chief/District Coordinator will approve partner requests for distribution support
            2. XXX will execute partner requests for distribution support
   c. Coordinating Instructions
      i. Fixed PODs are located at 5 fire stations.
         i. POD Locations

Water Resource Site Fire Station 1	310 East Fifth, Flint, MI 48502	0900-2100
Water Resource Site Fire Station 3	1525 Martin Luther King Ave. Flint, MI 48503	0900-2100
Water Resource Site Fire Station 5	3402 Western Rd, Flint, MI	0900-2100
Water Resource Site Fire Station 6	716 West Pierson Rd, Flint, MI	0900-2100

	48505	
Water Resource Site Fire Station 8	202 East Atherton, Flint, MI 48507	0900-2100

2. POD Product Composition
    1. **NEED FROM SHAWN**

ii. Mobile Distribution is being conducted via Water ~~Resource~~ Response Teams
    1. **Assembly area**
    2. **Mission Ready Packets**

iii. Rapid Response Distributions
    1. **NEED PROCESS FROM MICHELLE**

iv. Local Partner Distributions
    1. **NEED PROCESS FROM MICHELLE**

d. Concept of Support
    i. Resourcing support for all distribution methods will be provided via a consolidated logistics pipeline. Replenishment will be conducted automatically and on demand. Reception, Staging, and Onward Integration (RSOI) of material resources will be managed via a warehouse system and RSOI of personnel resources will be managed via a Volunteer Reception Center and XXX (State Employees)
    ii. Tasks
        1. SEOC Logistics Section Chief is accountable for resourcing support for all distribution methods and maintaining end to end visibility of all resources requests
        2. SEOC Logistics Order Unit~~Support~~ Staff is accountable for maintaining the Pipeline Report to ensure accurate resource tracking
        3. Red Cross Warehouse Managers will provide warehouse management and are accountable to the SEOC Logistics Section Chief
        ~~3.~~4. SEOC Planning Resources Unit is responsible for tracking resources that are deployed.
        4. Red Cross will manage the Volunteer Reception Center in coordination w/ local EOC
        5. Local EOC Logistics will provide logistics support to the Rapid Response Distributions

    iii. Warehouse System
        1. Currently operating 3 locations with intent to consolidate to single, central location

Name	Location	Hours of Operation	POC
GCARD	2727 Lippincott, Flint , MI		Shawn
Clio	4315 North Clio Road, Flint, MI	Somehow mark this as the final warehouse were	John Foust

		everything will go???	
Court	3086 East Court Street		John Foust

iv. Volunteer Reception Center
   1. 1 location managed by American Red Cross
   2. The volunteer intake process takes 20-30 minutes.

Name	Location	Hours of Operation	POC
American Red Cross	1401 S Grand Traverse Flint, Mi 48503	0900-1900	

v. Resource Request and Tracking Process
   1. Pipeline Report
~~2. https://goo.gl/G31kyJhttps://docs.google.com/spreadsheets/d/1wXVQvQ2IJ6N_ORpo8bvtBIEQJrDxkyoPg_EjZRtNepg/edit?usp=sharing~~
   2. All resource requests and offers of support (people, product, facilities, vehicles, etc) will be entered into MI CIMS as a resource request to the SEOC Logistic Section Chief.
   3. The SEOC Logistic Section Chief will task it out to the State or Volunteer Agency that can fill that request or procure as necessary
   4. All resource requests and offers of support will be tracked and monitored via the Pipeline report (Google docs collaboration document)
   5. Warehouse inventories will be sent to the SEOC Logistic Section Chief daily at 1800 and incorporated into the Pipeline report
   6. Volunteer Workforce Request for Volunteer Reception Center
      1. REQUIRED INFORMATION:
         i. Who is the Point Of Contact?
         ii. Who is the supervisor?
         iii. Where do volunteers report?
         iv. What Dates are volunteers needed?
         v. What times are volunteers needed?
         vi. How many volunteers are needed?
         vii. Who is providing transportation for the volunteers?
         viii. Who is providing meals, snacks and beverages?
         ix. Are there any qualifications needed?
         x. IMPORTANT NOTE:
            - Brief job description is required
            - The requestor of the volunteers must understand they assume responsibility for the volunteer's safety and the volunteer's actions.
            - The requestor of the volunteers are responsible for managing and providing direction.
            - 48 hour advance notification required for request.
            - Reasonable expectations of the volunteer workforce

2. POD inventory will be provided to local EOC or SEOC Planning resource unit (this needs to be determined) hourly ← Formatted

3. POD distribution report provided to local EOC or SEOC Planning resource unit (this needs to be determined) at 1200 and 1800. (This is a list of equipment that has been taken off the trucks and put in the PODs).
4. Fixed PODs, SEOC Planning resource unit needs to know total staff from each agency for tracking at 1000 each day.
5. Mobile Distribution is being conducted via Water Response Teams, SEOC Planning resource unit needs to know total staff from each agency for tracking at 1000 each day.
6. Mobile Distribution is being conducted via Water Response Teams, SEOC Planning resource unit needs to know amounts that have been distributed for tracking at 1800 each day.
7. Rapid Response Distributions, SEOC Planning resource unit needs to know amounts that have been distributed for tracking at 1800 each day.
8. Local Partner Distributions, SEOC Planning resource unit needs to know amounts that have been distributed for tracking at 1800 each day.
9.

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Distribution Reporting

Job Description – VRC Director

Your job is to oversee the operation of the Volunteer Reception Center. You will:

- Clearly designate one entrance and one exit
- Set up the room for efficient flow of volunteers and information
- Ensure efficiency of operation
- Brief and assign tasks to staff and volunteers of the center
- Monitor the operation and make appropriate changes when necessary
- Maintain all records of safety and job training provided to volunteers, and hours worked in the VRC by employees and volunteers
- You should meet and thank all volunteers who help in the VRC and instruct them to sign in and out on the Volunteer Sign-in / Sign-out Record daily.

Preferred Qualifications:

- An undergraduate or graduate degree in nonprofit management or a similar field, or experience in marketing
- Excellent communication skills
- Patience
- Exceptional people skills
- Windows-based computer knowledge and experience
- Good organizational and delegating skills and/or experience
- Project management skills. He or she will be organized and detail-oriented
- Competence in written and oral communication, including group presentation experience
- Customer service experience
- One year of experience as volunteer coordinator and/or demonstrated leadership capability as a volunteer

Job Description – Greeters

(Red text is used to highlight the functions that trainees can realistically perform during VRC training or exercises. All other functions are critical to the smooth operation of a "real life" VRC.)

Ideally, you will be working with a partner, orienting volunteers inside and outside the volunteer entrance. **Your job is to greet people with a friendly and firm demeanor, determine the purpose of their visit and direct them accordingly.**

- **If they are there to volunteer, thank them, give them a "Volunteer Instructions" sheet and ask them to fill out a registration form. When the form is completed, direct them to the next available interviewer at Station #2.**
- If they are media personnel, direct them to the Public Information Officer.
- If they are disaster survivors, refer them to the appropriate organization.
- If they have food, clothing, etc., to donate, refer them to the appropriate agency, unless it is food for the volunteer reception center staff. (For safety reasons, most Emergency Management departments do no accept unsolicited donations of food for their staff – Something to consider!)

If there is a long wait, some volunteers may not understand the reason and may become impatient. **Please thank everyone for volunteering, briefly explain the process** and ask everyone to be patient or to come back later.

Items needed:

- ID badge
- Sign (Station #1 Registration)
- Table or clipboards and chairs for volunteers to use for filling out their forms
- Supply of "Volunteer Instructions" handouts
- Supply of Disaster Volunteer Registration Forms
- Pens
- Flag or hat to summon runners

Job Description – Interviewers

(Red text is used to highlight the functions that trainees can realistically perform during VRC training or exercises. All other functions are critical to the smooth operation of a "real life" VRC.)

Your job is to do a quick interview of the prospective volunteer and determine his or her appropriateness and ability for the tasks needed. If possible, refer him to a job at an agency appropriate to his abilities and interests. (In some circumstances, this referral will be done by the Agency Coordination staff.) Volunteer requests will be posted on a board in front of you (behind the volunteers being interviewed) and will be erased as they are filled. If the center has a computer system, you might also receive a printed list of the current needs.

When a new volunteer approaches, ask for his/her registration form. With the volunteer, verify its completeness and accuracy, and use it as a guide from which to inquire more about the volunteer's skills. At the conclusion of the interview, have him/her take their registration form to the Data Coordination station, along with a Volunteer Referral Form. You should initial the Volunteer Referral Form to indicate the Interview Process was completed. When the volunteer accepts an assignment, complete a Referral form filling in all information requested, give it to the volunteer and instruct him to report to Data Coordination (Station #3).

Before signaling the Greeter that you are ready for another interview, take a minute to jot down in the "Notes" section anything about the volunteer you feel is important, that the volunteer did not include on his registration form (a special skill, an obvious physical limitation, etc.) If your center decides to use the blind field labeled "Office Use Only* **(see page two)**," check the appropriate box. Place his registration form in the bin or file.

Key points to remember are:

- **Disaster registration differs from a "normal" volunteer intake – there is less time to try to fit each volunteer into an ideal assignment.**
- **Refer the volunteer on the spot** if possible – it may be impossible to contact him later. If the volunteer has special training or unusual skills that you think might be needed soon, ask him to wait in the sitting area and to check the volunteer request board for new requests for their specialized skills.
- Be sure to watch for volunteers who would work well in the Volunteer Reception Center.
- It is likely that some volunteers will exhibit the stress of the disaster – an extra measure of patience and understanding is needed.
- You may be called upon to train volunteers to assist with the interviewing.

Job Description – Interviewers (cont'd)

The VRC Director should determine appropriate use of the "Office Use Only" field, with input from the local ESF-15 lead agency. It is intended to provide a customizable "blind" field in which special information can be noted about volunteers. If, for future referral of that volunteer, it would be helpful to know his general level of ability to work independently, boxes 1-5 could be coded:* ***1.* *Learns quickly, able to supervise the activities of others;* ***2.*** *Would work well independently, good decision making skills;* ***3.*** *Needs some supervision and assistance with decision making;* ***4.*** *Needs close or constant supervision; and* ***5.*** *Has a mental, physical or emotional limitation to consider in making a referral.*

Items needed:

- An ID badge for each interviewer
- Two tables and eight chairs (see VRC floor plan)
- Sign (Station #2 Interviews)
- Supply of Referral forms
- Pens
- Flag or hat to summon runners
- Bin or file for maintaining Volunteer Registration Forms

Job Description – Data/Agency Coordinator

(Red text is used to highlight the functions that trainees can realistically perform during VRC training or exercises. All other functions are critical to the smooth operation of a "real life" VRC.)

Your job is to match the Referral forms to the Requests and to close out the Requests when they have been filled or are no longer needed. If interviewers are overwhelmed, you may need to complete the referral process with volunteers – identifying the appropriate volunteer task for them. You may have to call an agency contact to clarify the agency's Request. When you speak with an agency contact, record the information on the Request form in the section called "Follow-up Contacts with Requesting Agency."

When a volunteer brings you his Referral form, enter his name and the date of the referral on the Request form to which he was referred. Place your initials on his Referral form. If you have time, call the agency contact to let him know who or how many volunteers have been referred. Confirm with the agency contact whether you should continue referring volunteers or close out the request. **When a request has been filled, raise your flag or put on the hat to call a runner and ask him to remove that request from the board.**

If a volunteer who has been interviewed but not referred approaches your station, thank them for coming and ask them to please wait in the sitting area in the center of the room.

Enter the date and reason the request was closed (completed, no longer needed, etc.) at the bottom of the Request form. If your Requests for Volunteers have been entered into a database, be sure to enter the date and reason the Request was closed as soon as possible. **Place open Requests in one file and closed Requests in the other,** in either numerical order or **alphabetically by agency.**

Items needed:

- An ID Badge for each staff member
- Sign (Station #3 Data Coordination)
- Two tables and four chairs
- Phone
- Two sets of files – one for open Requests and one for closed out Requests
- Pens
- Computer, if available, networked to the computers at the Phone Bank station
- Flag or hat to summon runners

BLIND CODES – If Data Coordinator is making referrals, the Interviewers will use the following codes to convey their impression of the volunteers' suitability for tasks.

The VRC Director should determine appropriate use of the "Office Use Only" field, with input from the local ESF-15 lead agency. It is intended to provide a customizable "blind" field in which special information can be noted about volunteers. If, for future referral of that volunteer, it would be helpful to know his general level of ability to work independently, boxes 1-5 could be coded:* ***1.* *Learns quickly, able to supervise the activities of others;* ***2.*** *Would work well independently, good decision making skills;* ***3.*** *Needs some supervision and assistance with decision making;* ***4.*** *Needs close or constant supervision; and* ***5.*** *Has a mental, physical or emotional limitation to consider in making a referral.*

Job Description – Phone Bank Staff

(Red text is used to highlight the functions that trainees can realistically perform during VRC training or exercises. All other functions are critical to the smooth operation of a "real life" VRC.)

You will be handling two types of **calls**, those **from agencies requesting volunteers** and those from people wanting to volunteer. **The information you record about each call must be complete and in sufficient detail to facilitate matching volunteers to the needs.**

When you receive a call from an agency, fill out a Request for Volunteers form while you are speaking with the agency caller. If there is a computer available for entering the needs into a database, Data Entry staff should enter the need as soon as possible.

Next, call a runner by raising the flag at your station. Ask the Runner to post the volunteer request on the dry erase board in view of the Interviewers (Station #2) and then to give the Request for Volunteers form to the Data Coordinator (Station #3).

When people call to volunteer, thank them and give them the following registration options:

- If they choose to register on line or by fax, they will be e-mailed or called to discuss possible assignments and given further instructions. If the caller represents a group that wishes to volunteer together, ask them to be patient while you determine where they can be of most help. It might take one day or several to match them with a need, especially if they are coming from out of town. Post the caller's inquiry on the board behind the Phone Bank.

  When a match (a mission) is found for that volunteer, e-mail or call them back and schedule a time for them to come to the VRC to sign their on-line registration form, pick up their referral form and ID bracelet(s), and attend a safety briefing. Make sure that the volunteer's on-line registration form is waiting with the Interviewers (Station #2) on their arrival date.

- If they choose to register in person at the VRC, they will be given instructions when they arrive.

Items needed:

- An ID Badge for each staff member
- Sign (Phone Bank)
- Supply of Request for Volunteers forms
- Push pins or masking tape
- Two tables and four chairs
- Phones
- Pens
- Flag

Job Description – Data Entry

(Red text is used to highlight the functions that trainees can realistically perform during VRC training or exercises. All other functions are critical to the smooth operation of a "real life" VRC.)

Your job is to enter the information from the volunteer Registration and Request for Volunteers forms **into the database** so that the county has an accurate record of who participated in the recovery effort, what kinds of work they performed and when. The computer will assign a number to each Registration and Request, which must also be hand-written on the paper forms.

After the initial influx of volunteers has subsided, you may have time to begin entering the referrals recorded on the Request forms and to close out the completed Requests. As needed by VRC staff, print updated lists of the unfilled Requests and ask a Runner to distribute copies to Phone Bank staff, Data Coordination, Interviewers and, if requested, the VRC Director.

Even if you are familiar with the software being used by the VRC, please ask for a brief orientation before beginning your first shift. Accuracy is more important than speed. The information you enter will be used to determine the amount of money the county will receive from the Federal Government as a result of the disaster.

If you have difficulty using the computer, please ask for help immediately. Do not attempt to fix the problem yourself.

Items needed:

- An ID Badge
- One table and two chairs
- Printer
- Pens
- Flag
- One or more computers (multiple computers should be networked to provide all users access to information on the status of volunteer requests and the availability of volunteers.)

Job Description – Volunteer ID Staff

(**Red** text is used to highlight the functions that trainees can realistically perform during VRC training or exercises. All other functions are critical to the smooth operation of a "real life" VRC.)

Ask if the volunteer for his/her Referral form. If they have not been referred, thank them for coming and ask them to please wait in the sitting area in the center of the room.

Clearly write on the white portion of an ID wristband the name of the volunteer, dates he/she will be working, and the name of the agency to which the volunteer was referred, as shown on their Referral form. Place the ID wristband securely on the volunteer's wrist.

Explain to the volunteers that the ID will be "good" only for the date(s) written on the band. Authorities will not permit them to enter any of the disaster impacted areas on any other day, without a current ID wristband. If volunteers plan to work more than one day, you may write the beginning and ending dates of their service. Thank them for coming and direct them to Station #5 Safety Training.

If you need assistance, please raise your flag or put on the hat to summon a Runner.

Items needed:

- An ID Badge
- Two tables and four chairs
- Sign (Station #4 Volunteer I.D. Tags)
- Supply of volunteer ID wristbands
- ID bracelet tool, if required
- Markers
- Scissors
- Flag or hat to summon runners

Job Description – Safety Trainers

(**Red** text is used to highlight the functions that trainees can realistically perform during VRC training or exercises. All other functions are critical to the smooth operation of a "real life" VRC.)

Your job is to brief all new volunteers on what to expect at their job sites, how to be safe while volunteering and how to take good care of themselves after their experience. When a small group has gathered, thank the volunteers for offering to help. Pass around a clipboard with an attendance sheet and check to be sure that all participants have signed it.

Read the entire Safety Training sheet slowly, emphasizing the importance of following supervisors' instructions at the worksite. Encourage everyone to attend a debriefing, if available, at the end of their shift. Ask if there are any questions. If a question arises to which you do not know the answer, put on the hat to summon a runner. Ask the runner to summon the VRC Director or other VRC staff to answer the question.

Some volunteers will be required to take additional training for their particular work. Direct those volunteers to where that training is provided. When your briefing is concluded, explain where the volunteers should meet the transportation to their worksites, if transportation is provided.

If you're conducting an exercise and have time to play a second round, please ask participants to play the role of at least one other volunteer with different skills. Direct them to the Registration Area to fill out another Registration form, giving only their new names and new skills.

File the attendance sheet for each class in the folder and turn them in to the VRC Director daily. If the content of your safety briefing changes (new material is added or safety instructions change), staple a copy of the new safety training script to the attendance sheet of the first class in which the new script was used. **Maintenance of these records is important to help protect the Coordinating Agency and local disaster officials from liability, should a volunteer be injured on the job.**

Items needed:

- An ID Badge
- Sign (Station #5 Safety Training)
- 10 or more chairs, preferably in a semi-circle so participants can see one another
- Clipboard with attendance sheets
- Pen
- Stapler
- Flag or hat to summon runners
- List of additional training required by specific worksites, training locations and instructors
- A supply of Safety Training handouts

Job Description – Runners

(Red text is used to highlight the functions that trainees can realistically perform during VRC training or exercises. All other functions are critical to the smooth operation of a "real life" VRC.)

Your job is to carry information from one station to another within the VRC. When a station needs you to pick up forms, restock their supplies or escort a volunteer from one place to another, **they will signal you by raising a flag or putting on a hat at their station.**

Please watch carefully for this signal and respond promptly, in order to keep the information and volunteers moving smoothly through the registration and referral process.

When you are asked to post a new Volunteer Request on the board, be sure to use only the markers provided and write neatly and large enough so that the interviewers can see the requests clearly. After posting the request on the board, give the Request form to the Data Coordinator (Station #3).

Items needed:

- An ID Badge
- Dry erase marker or water soluble marker (depending on the type of board available)
- Dry eraser or damp sponges

VOLUNTEER RECEPTION CENTER

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Community Partners Meeting Minutes
1/14/16

- Agenda
  - Goal is to capture in one room what people are doing currently, plan for the future, problem solve, and make sure all the agencies working right now are coordinated in being stewards of the donor dollar, of volunteer's time, and of our own efforts
- Introductions
  - Tony Lasher, ED, Flint ARC
  - Justin Bays, subject matter expert, community partnerships, long term recovery
  - Mike Mitchell, ED Red Cross Grand Rapids, standing in for Tony for a few days in Flint
  - Linda Dintenfass, assistant director for external relations on this DO, also emergency preparedness specialist for UM-Flint, UM-Flint has been involved in a myriad of ways for a fair amount of time
  - Mike Lane, director of env, health, and safety at UM-Flint
  - Jenna Holmes,
  - Janet Hunter, NCSC
  - Kara Ross, VP, Food Bank
  - Chris DeVriendt, GCEMHSD
  - Matt Purcell, ED, GCCARD
  - Bill Goodwell, Salvation Army
  - Jenny McArdle, United Way
  - Sean Kammer, City of Flint
  - Tony Sitko, Flint Community Schools
  - Tamara Brickey, GCHD
  - Vicky Shultz, Catholic Charities
  - Sheryl Thompson, deputy director for Michigan health services Lansing, NDHHS-L
  - Eileen Tomasi, RN, Flint Community Schools
  - Rachel Wenelick, UWGC
  - Jamie Lee Venable, UWGC
  - Joe King, NEH
  - Victoria Fryer, Red Cross VRC Contact (victoria.fryer@redcross.org)
  - Linda Cieciek, Red Cross VRC Contact (linda.cieciek@redcross.org)

- EOC Information (Chris DeVriendt)
  - Unique situation, never happened before in US to this scope and breadth
  - Started as crisis, turned into declared emergency at state level
  - Public Act 368, ran through local health dept, as public health emergency
  - Declared emergency from city, Public Act 390
  - Elevated to county level, then elevated to state level
  - Every governmental agency involved is an employee of the governor
  - Getting direction from both Lansing and local level
  - Engaging with all partners
  - SEOC = state equivalent, nerve center, planning chief
  - EOC directing daily operations to get tasks done
  - This is not going to be a short emergency
  - Recent developments—legionnaire's disease

- Perception is reality: people don't trust filter, require more bottled water
- Groups work independently, but also need to coordinate to make sure everyone has water
- Door knocking has been a huge success
- Goal: knock on every single door in Flint in a week; as volunteers come in, this goal becomes more attainable
- Need experienced volunteers, for safety reasons—doubling numbers may be problematic
- Trucks go out on regular runs to distribution centers
- Quell public fears—we have water
- We are depleting national stockpile of filters
- Brita—if you buy a filter, they donate one to Flint
- Pipe fitters go into households for installation, can call 211 for help with installation
- If you have resources, email Chris
- Job descriptions will start being posted, increasing opportunities
- Eventually going to drive all filters to one brand/one model
- Looking to add two warehouses for one central repository, full of water and materials to distribute, including water tests
- New water emergency official logo for badges
- Concept of naming/labelling—"Flint Water Crisis"
    - Relief? Response? Recovery?
    - Official names of teams knocking on doors "Water Resource Team"
    - Public health community—distance from "recovery," "victims"

VRC (Volunteer Resource Center) Information

- State and EOC asked Red Cross to help set up VRC
- Assisted by United Way, Michigan Community Service Commission
- Physically set up for last 4 days
- Opened Wed 9 am to 7 pm
- Controlled soft opening
- Need to manage event based volunteers expectations, and partner agencies and stakeholders with jobs to fill
- If we make large announcement to public, we may get a huge influx of volunteers, without jobs to match volunteers with yet
- When event based volunteer comes, we may have a job for them right now, but at this point, it's more likely that we won't, but we will still capture information and follow up
- See process map and volunteer workforce request form (handouts)
- Direct forms to Chad
- People manage expectations of VRC and the VWRF are filled out correctly
- Protection of our volunteers is our number one priority, and second goal, make sure they are out in the field helping our efforts
- Important for coordination, to streamline process
- EOC and SEOC gives jobs to be filled by volunteers
- Requests go from Chad to VRC
- VRC will make sure we have a volunteer to match skills to task
- See overview, first revision (handout)
- Volunteer points of contact: Victoria Fryer and Linda Cieciek

- Age requirement to be determined
- Right now 211 fielding all calls, instructed to come to Red Cross building to become volunteer, one informational access point

Partner Activities

- Three key things to know:
  - Needs
  - Current
  - Future

Catholic Charities

- Currenlty distributing water through community closet
- Not a lot of water to hand out
- Designated drop off location
- Would like to be able to distribute water at all 3 soup kitchens, not just community closet
- Want to spread reach
- Looking for more water donations
- For the future, hope to have filters and cartridges
- Food banks can store up to 8 semis, Catholic Charities have some space

Water Distribution

- Current Sites
  - Catholic Charities
  - Individual churches—any ideas to combine effort
  - Christ enrichment center
  - Salvation Army
  - Foss Avenue
  - Beecher
  - Christian love faith center
  - St. Luke's Catholic Church
  - Fire Stations 1, 5, 6, 8, 2
  - UAW
  - Chrysler
  - Next week: Berston fieldhouse, Brennan Center, Hasselbring
  - Flint schools (donations distributed to schools, daycares), not distributing to community at large right now
  - Enterprise car rental—sporadic drives and giveaways, started national campaign
  - Art Van, metro Detroit, Lansing, Flint, collecting water, coming to Catholic charities on a weekly basis
  - Flint City Hall distributing filters
- Water Sources
  - Largest source is FEMA
  - Donations (public, charitable)

Filters

- Distribution Sites
  - City of Flint
  - GCCARD
  - Fire stations
  - City Hall
  - DHSS Offices
  - Churches
  - Canvas
  - Housing Comm
  - Concerned Pastors Group
  - Open to **clients only, not public**: health dept and associated programs (WIC clinic, primary care clinic, AIDS Wellness, Planned Parenthood, DaVita Dialysis, FMC Dialysis, Grand Blanc Community Schools)
  - Brita started in-kind donation (looking at a month, same process for other filters into warehouse)
  - State authorizes purchases from Home Depot, etc
  - Brands:
    - Pur (Faucet)
    - Brita (Faucet)
    - Zero Water Pitcher
  - Filters have LED indicator for replacement, pitchers have indicator stick
  - Problems: hot water degrades filters
  - Filters need replacement based on amount of water running through, not based on time
  - Trying to push everything to Brita (short-medium term)
  - In the short medium term, work on messaging
  - Multi-year problem (Chris projection: 19 years)
  - Filters, education, support needed for lifetime
    - Identifying sources for this long-term support
  - GCCARD can handle volume of filters currently
  - Supply of water will require space
  - Years needed to restore trust, to replace infrastructure/piping
  - Minimal control on filters, little to no controls on the distribution of water
  - State goal: every church a distribution site
  - Mott set up refillable, filtered water stations
  - DEQ looking into filter replacements in schools/colleges
  - Operational security measure
    - Broken up pallets of water—make sure to inspect water
  - Smaller donations harder to manage
  - Food banks can store up to 8 semis, Catholic Charities have some space

Water Testing Kits

- Distribution Sites
  - City Hall
  - Fire Stations
  - City water plant
- Drop Off Sites for Testing Kits
  - City Hall

Public Information

- How to set up systems for community members to be updated?
- Education, getting answers out
- Are we all using the same/consistent information
- Sources of info
  - Joint Information Center (also to update 211, but include Jamie-Lee Venable to keep in loop)
  - Genesee County Health Department, website has many resources, fact sheets, press releases, etc.
  - Volunteers
  - Identify point of contact for organizations
  - Nutrition, water usage
    - Health department: common questions on handwashing, bathing, filters
    - Communications person for health department: Shana (?)
- Biggest source of public information is the volunteers themselves, vetted by JIC

Vulnerable Populations

- International students, non-English speaking
- Undocumented (Catholic Charities, Hispanic Tech Center, Our Lady of Guadalupe Church)
- Homebound, non-mobile
- Chinese community, limited communication (work with UM-Flint international students?)
- Translations of public health information
  - Translation services (contracted out upon request)
  - Some print materials in English, Spanish, Arabic
  - Request to state to get more fact sheets in different languages (get Mandarin added to list?)
- Locations with higher volumes of people—basic faucet filters run out very quickly
  - UM-Flint has a supply partner with good rate for larger filters (Michael Lang)
  - NSF 42 53, certified for lead filtering
  - Food bank has list of larger capacity filters
  - Locations with high water use in the city—get list?
  - Smaller businesses, access to bigger filters
- Mentally ill—no plan, hard to capture data

    - Able to leave homes? Comfortable in public?
    - Help of Genesee Health System to better identify this group
    - Rehab center need for filters
    - Clients feel stigma in community, so afraid to go to distribution sites, not willing to open doors to police and service men
- All vulnerable groups need continuous attention follow up in the months to come
- VOAD (disaster volunteers) in communication with Red Cross
    - One main function is to go to the homebound
    - Need to find gaps in delivery, then info communicated to larger volunteer organizations
- Restaurants
    - Health department working with state to create guidelines for restaurants
    - Not every area of Flint is unsafe
    - In general, restaurants safer than household residents, but still problematic
    - Hot water is more problematic
    - Fast food restaurants especially need attention
    - Reach out to Michigan dept of agriculture?
    - Priority to get households safe, then to work on restaurants
    - Help bring confidence back to the community with restaurants reporting they have tested their water
    - Party stores, gas stations, fountain drinks—more concerning, harder to regulate

Volunteer Needs

- Shifting from state troopers to volunteers
- Troopers, sheriffs, state employees going door to door through Friday
    - Community members added to these teams
    - Record info from door to door on ipads
    - Keep evaluating, create teams to do this through VRC
- UM-Flint wants specific info about volunteer opportunities (placements, shifts) to send out to students and campus clubs
    - Start at VRC
    - See Victoria Fryer (VRC Contact) for large groups
- Food will be provided
- Current activities being staffed at VRC:
    - Fire stations
    - Need 10 additional individuals per shift
    - Shifts: 9 am to 4 pm, 4 pm to 9:30 pm
    - 15 additional people needed for Friday
    - 40 additional people needed Saturday for canvasing
    - 40 additional people needed for Sunday
    - VRC hours of operation: 9 am to 7 pm
        - Intake process approximately 30 minutes

- Another job opportunity is data entry
    - Recorded addresses collected at distribution centers into computer
- 20 volunteers needed to warehouse starting Friday
- Family members, faith based organization, clubs—spread the word, ease into public announcement at the larger level
    - Come register, even if no immediate placement—need later down the road
- United Way will contact approx. 200 corporate volunteerism sources

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1. Situation:

There are 45,000 active water meters in the impacted area
As of 2130 on 01.13.16 17, 276 households have received water filters
MAP

2. Mission Statement:

Ensure all households within the impacted area have the required resources

3. Execution
    a. Commander's Intent
        i. Distribute filters and additional resources to all impacted households within 5 days. The priority of effort is the Fixed Points of Distribution (PODs).
    b. Concept of Operations
        i. Distribution of resources will be conducted using 4 methods: Fixed PODs, Mobile Distribution Teams, Rapid Response Distributions, and Local Partner Distributions.
        ii. Tasks
            i. Fixed PODs
                1. Red Cross will staff all sites through **XXX**
                2. Red Cross will conduct transition brief with Michigan National Guard on **XXX**
                3. Michigan National Guard will assume staffing responsibility as of **XXX**
            ii. Mobile Distribution is being conducted via Water Resource Teams
                1. Recovery Branch Support will determine Water Resource Team composition, standards, resource requirements, and priority areas for distribution
                2. Michigan State Police will provide command and control (assemble, coordinate, monitor) of Water Resource Teams
            iii. Rapid Response Distributions
                1. Local EOC Operations Section Chief/District Coordinator will approve partner requests for distribution support
                2. Local EOC Operations Logistics will execute Rapid Response Distributions
            iv. Local Partner Distributions
                1. Local EOC Operations Section Chief/District Coordinator will approve partner requests for distribution support
                2. **XXX** will execute partner requests for distribution support
    c. Coordinating Instructions
        i. Fixed PODs are located at 5 fire stations.
            i. POD Locations

Water Resource Site Fire Station 1	310 East Fifth, Flint, MI 48502	0900-2100
Water Resource Site Fire Station 3		
Water Resource Site Fire Station 5		
Water Resource Site Fire Station 6		
Water Resource Site Fire Station 8		

2. POD Product Composition
    1. **NEED FROM SHAWN**

ii. Mobile Distribution is being conducted via Water Resource Teams
1. **Assembly area**
2. **Mission Ready Packets**

iii. Rapid Response Distributions
1. **NEED PROCESS FROM MICHELLE**

iv. Local Partner Distributions
1. **NEED PROCESS FROM MICHELLE**

d. Concept of Support

i. Resourcing support for all distribution methods will be provided via a consolidated logistics pipeline. Replenishment will be conducted automatically and on demand. Reception, Staging, and Onward Integration (RSOI) of material resources will be managed via a warehouse system and RSOI of personnel resources will be managed via a Volunteer Reception Center and XXX (State Employees)

ii. Tasks
1. SEOC Logistics Section Chief is accountable for resourcing support for all distribution methods and maintaining end to end visibility of all resources
2. SEOC Logistics Support Staff is accountable for maintaining the Pipeline Report to ensure accurate resource tracking
3. Red Cross Warehouse Managers will provide warehouse management and are accountable to the SEOC Logistics Section Chief
4. Red Cross will manage the Volunteer Reception Center
5. Local EOC Logistics will provide logistics support to the Rapid Response Distributions

iii. Warehouse System
1. Currently operating 3 locations with intent to consolidate to single, central location

Name	Location	Hours of Operation	POC
GCARD	2727 Lippincott, Flint , MI		Shawn
Clio	4315 North Clio Road, Flint, MI		John Foust
Court	3086 East Court Street		John Foust

iv. Volunteer Reception Center
1. 1 location managed by American Red Cross
2. The volunteer intake process takes 20-30 minutes.

Name	Location	Hours of Operation	POC
American Red Cross	1401 S Grand Traverse Flint, Mi 48503	0900-1900	

v. Resource Request and Tracking Process

1. Pipeline Report
   https://docs.google.com/spreadsheets/d/1wXVQvQ2lJ6N_ORpo8bvtBIEQJrDxkyoPg-EjZRtNepg/edit?usp=sharing
2. *All resource requests and offers of support (people, product, facilities, vehicles,* etc) will be entered into MI CIMS as a resource request to the SEOC Logistic Section Chief.
3. The SEOC Logistic Section Chief. will task it out to the State or Volunteer Agency that can fill that request or procure as necessary
4. All resource requests and offers of support will be tracked and monitored via the Pipeline report (Google docs collaboration document)
5. Warehouse inventories will be sent to the SEOC Logistic Section Chief. daily at 1800 and incorporated into the Pipeline report
6. Volunteer Workforce Request for Volunteer Reception Center
   1. REQUIRED INFORMATION:
      i. Who is the Point Of Contact?
      ii. Who is the supervisor?
      iii. Where do volunteers report?
      iv. What Dates are volunteers needed?
      v. What times are volunteers needed?
      vi. How many volunteers are needed?
      vii. Who is providing transportation for the volunteers?
      viii. Who is providing meals, snacks and beverages?
      ix. Are there any qualifications needed?
      x. IMPORTANT NOTE:
         - Brief job description is required
         - The requestor of the volunteers must understand they assume responsibility for the volunteer's safety and the volunteer's actions.
         - The requestor of the volunteers are responsible for managing and providing direction.
         - 48 hour advance notification required for request.
         - Reasonable expectations of the volunteer workforce

Distribution Reporting

D-R-A-F-T

Flint Water Operations Plan

Phase 1 – Initial distribution

- Canvassing teams initiated by sheriff; fleshed out by MSP, ARC, NG, and volunteers.
- Goal – Touch every residence with water, filters, filter cartridges, and test kits to demonstrate we have attempted to supply all residences with potable water.
- Canvassing based on geographic areas.
- Points of Distribution (PODS) established at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits; initially ARC staffed, then replaced by NG.
- 2-1-1 used to address all questions and serve as POC for all special needs requests (hot shots).
- Phase 1 complete the morning of January 21 based on feedback from local EOC.

Phase 2 – Saturation

- A second round of canvassing teams begins January 21 using NG and ARC personnel augmented by volunteers as judged appropriate.
- Goal – Re-touch every residence with water, filters, filter cartridges, and test kits to demonstrate we made every effort to supply all residences with potable water
- Canvassing based on geographic areas.
- Points of Distribution (PODS) staffed by NG continue at 5 Flint fire stations to distribute water, filters, filter cartridges, and test kits.
- 2-1-1 addressing all questions and serve as POC for all special needs requests (hot shots).
- Phase 2 completion planned for COB January 24; any remainder to be addressed by ARC teams.

Phase 3 – Transition

- Goal – Move from manual distribution mechanism to less labor intensive processes.
- Develop messaging for implementation of this phase and transition to next phase (phase out of distribution of water, filters, cartridges, and test kits noting PODS to cease operation on January 31).
- Identify new water only distribution sites operated by faith-based or other volunteer groups.
- Determine and implement best methodology for long-term distribution of filters and filter cartridges.
- Phase 3 complete with close of PODS COB January 31.

Phase 4 – Long Term Support

- Goal – Establish long-term, workable processes to sustain provision of potable water to residents.
- *Develop messaging for implementation of this phase and transition to next phase.*
- Water distribution by the city or faith-based/other volunteer groups.
- Establish long-term filter distribution process using USPS, vouchers, or other measureable program.

Phase 5 – Normal Operations

- Goal – Resume normal operations.
- Develop messaging for implementation of this phase and transition to next phase.
- Analysis complete, solutions implemented and public trust in Flint water reestablished.

1/21/2016 7:10 PM

NSF International was founded in 1944 from the University of Michigan's School of Public Health as the National Sanitation Foundation (NSF) to standardize sanitation and food safety requirements.

The NSF Water Division certifies products that come into contact with drinking water, such as plumbing components, water treatment chemicals and drinking water filters, as well as pool and spa equipment. NSF led the development of American National Standards for all materials and products that treat or come in contact with drinking water to help protect public health and the environment and minimize adverse health effects. In 1990, the U.S. EPA replaced its own drinking water product advisory program with these NSF standards. NSF is accredited by the American National Standards Institute (ANSI) to develop American National Standards.

ANSI accredits standards that are developed by representatives of other standards organizations, government agencies, consumer groups, companies, and others. These standards ensure that the characteristics and performance of products are consistent, that people use the same definitions and terms, and that products are tested the same way. ANSI also accredits organizations that carry out product or personnel certification in accordance with requirements defined in international standards.

To help address concerns about the safety and performance of products sold worldwide and marketed for treating household water supplies, NSF International developed several American National Standards covering a wide array of water treatment systems, including drinking water filters.

To earn NSF certification, water treatment systems must undergo extensive testing to confirm that they meet the strict requirements of American National Standards. In addition to verifying that the system is structurally sound, NSF verifies that:

- The contaminant reduction claims shown on the label are true.
- The system does not add anything harmful to the water.
- The product labeling, advertising and literature are not misleading.

NSF certification for performance means they have tested a water treatment product using specific procedures and have confirmed that it can effectively reduce the contaminants claimed on the product label. They also require all products to be re-tested periodically and re-certified each year, which ensures that products continue to meet all stated requirements over time.

NSF International has confirmed that the three water filters being distributed by officials in Flint, Michigan are currently certified by NSF International for lead reduction.

Specifically, Brita Faucet Filtration System, model number SAFF-100 (in white, black or chrome), the PUR Faucet Mount, model number FM-3700B, and the ZeroWater® 23-Cup Dispenser, model number ZD-018, are certified for lead reduction in accordance with NSF/ANSI 53 – Drinking Water Treatment Unit Standard for Health Effects.

Individuals wishing to verify that a specific filter is NSF certified can do so via the NSF website. Here are the links to verify each certification: Brita Faucet Filter System SAFF-100, PUR Faucet Water Filter System and the ZeroWater® 23-Cup Dispenser.

The State of Michigan procured the above listed filters due to the NSF/ANSI 53 certifications and the availability and sustainment of future orders by vendors on state contract.

Flint Water Response Team Plan for Saturday & Sunday, 01.23-24.16_V2.0_FINAL

Changes are highlighted in red

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
OGCS	Office of Genesee County Sheriff
HH	Household
LEOC	Local Emergency Operations Center
NG	National Guard

Key Leaders

WRT OIC	Lt. Amy Dehner	586-615-1359
ARC OIC	Robert Gaskill-Clemons	419-905-1122

Plan

Agency	Team Types	Mission
MSP/OGCS/NG	15 Teams	3000 HH
ARC	40 Type V	7000 HH

MSP/OGCS/NG

Resource Status

Team Type & Quantity	Type: N/A Quantity: 18				
Resource	**Minimum**	**Minimum Confirmed**	**Notes**	**Date**	**Time**
Team Leader	15	15		1/22/16	1525
16ft -20ft box truck	15	15		1/22/16	1525
Truck Driver	0	0	Sourced from NG	1/22/16	1525
Team Member	180	180		1/22/16	1525
Team Transport Vehicle for 6-9 Team Members	15	15	12 from DOC & 3 from	1/22/16	1525

			Warehouse		
Team Transport Driver	15	15	12 DOC & 3 from NG	1/22/16	1525
Patrol Car	15	15		1/22/16	1525
iPads	30	30		1/22/16	1525
Hand Warmers	300	300		1/22/16	1525
Vests	0	0		1/22/16	1525
Distribution Kit	3000	3000		1/22/16	1525

ARC

Team Type & Quantity	**Type:** Type V **Quantity:** 40 (10 ERV & 30 Box)				
Resource	**Required**	**Minimum Confirmed**	**Notes**	**Date**	**Time**
Team Leader	40	40		1/22/16	1525
ARC ERV	10	10		1/22/16	1525
ARC ERV Driver	10	10		1/22/16	1525
16ft box truck	30	30		1/22/16	1525
Truck Driver	30	30	Sourced from ARC	1/22/16	1525
Team Member	150-300	150-300	Islamic Relief & Others	1/22/16	1525
Team Transport Vehicle for 2-4 Team Members	30	30	10 from warehouse & 20 from ARC	1/22/16	1525
Team Transport Vehicle Driver	30	30	Sourced from ARC	1/22/16	1525
Patrol Car	0	0		1/22/16	1525
iPads	40	10		1/22/16	1525
Hand Warmers	60	382		1/22/16	1525
Distribution Kit	7000	7000		1/22/16	1525

Execution:

Key Locations

Team	**Assembly Area**	**Hours of Operation**
OGCS/MSP	LEOC Genesee County Administration Building	0830-1600

	1101 Beach St, Flint	
ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Critical Task: Assemble, coordinate, and monitor WRTs

OGCS/MSP Process:

1. Assign team leaders, team members, and routes to teams
2. Team Member check in
3. Conduct pre-deployment briefing to include team mission assignments, concept of operations, deployment locations, replenishment process, reporting process, and safety briefings (refer to OGCS_MSP WRT Volunteer Assembly Information V2.0_011816 for detailed information on volunteer processing at LEOC)
5. Provide training to new team members
6. Issue vest and badge to team members
7. Execute morning distribution assignment
8. Lunch served between 1230-1330
9. WRT OIC and Team Leaders midday brief
10. Execute afternoon distribution assignment
11. Conduct post-deployment debrief with team leaders and members
12. Collect vest and badge from team members

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
GCSO/MSP	0 Distribution Kits Remaining	Distribution Route: exact location determined by Team Leader	1. Contact warehouse to request replenishment truck 2. Coordinate replenishment location with warehouse 3. Exchange replenishment truck with empty truck
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix

Lunch

OGCS/MSP WRTs lunches will be provided by the ARC and coordinated by LEOC Logistics.

Reporting:

Tactics:

1. All WRTs will utilize iPads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if iPads fail.

Local Hazard Mitigation Planning Status

Statewide Mitigation Planning

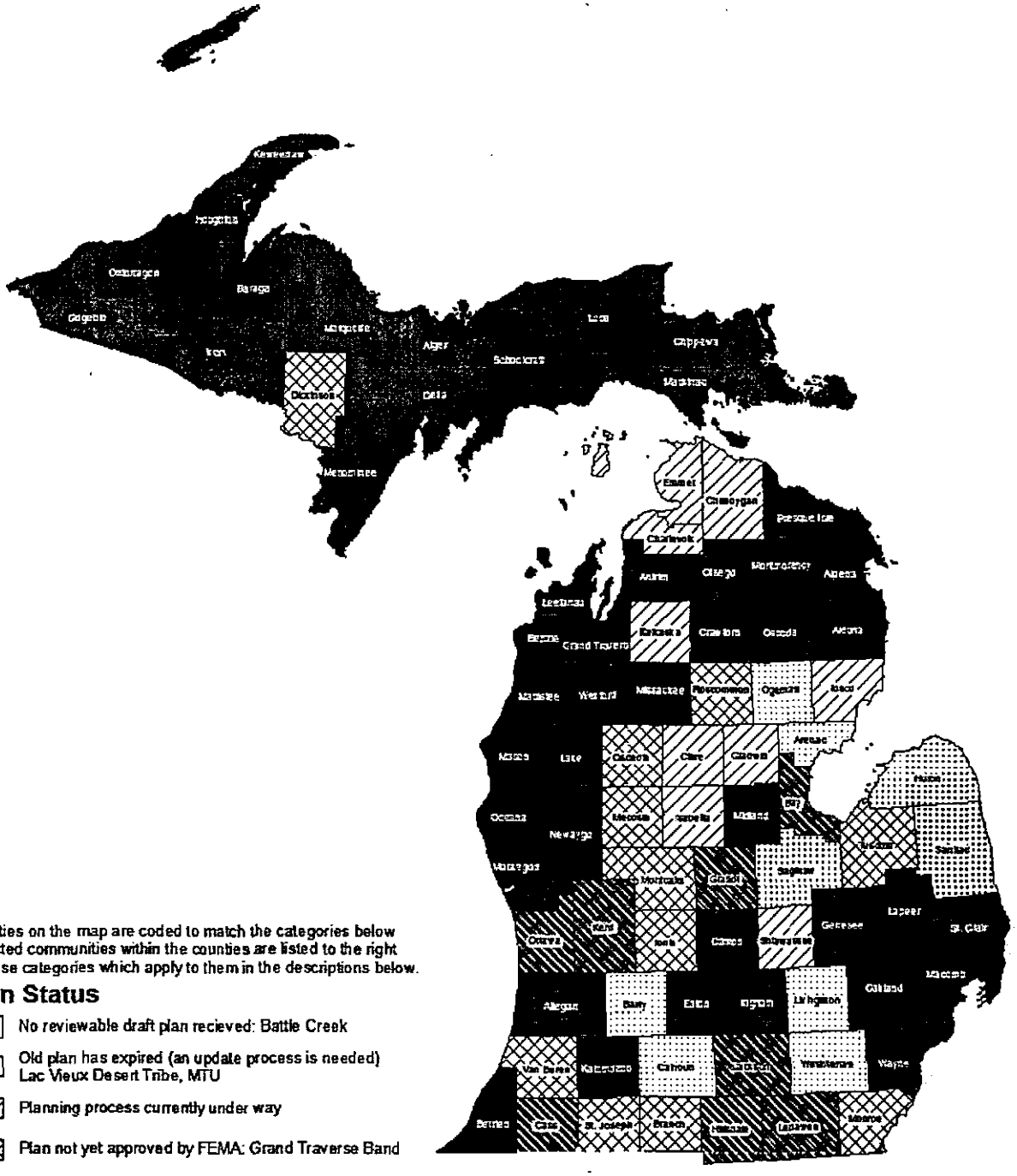
Michigan currently has 63 local and/or tribal plans currently approved by FEMA under the standards of the federal Disaster Mitigation Act of 2000 (DMA). (Parenthetical county names are listed only to provide location information.) Communities whose plans have passed their expiration / update deadline are still listed below, but have a line through their names (~~like this, for example~~). Communities with plans that will expire within six months (by June 30, 2016) are underlined in the list below.

DMA 2000 FEMA-Approved Local / Tribal Plans in Michigan as of December 31, 2015

- Alcona County (will expire 10/27/2019)
- Alger County (will expire 8/31/2020)
- Allegan County (will expire 3/12/2020)
- Alpena County (will expire 10/27/2019)
- Ann Arbor, City of (will expire 9/17/2017)
- Antrim County (will expire 11/18/2020)
- ~~Arenac County~~ 2015 PDMP planning grant application
- Baraga County (will expire 9/9/2018)
- ~~Barry County~~ no known planning activity
- Bay County (will expire 3/23/2016)
- Benzie County (will expire 4/1/2020)
- Berrien County (will expire 5/2/2018)
- Bloomfield Township (Oakland Co.) (expir. 10/3/2016) appl
- ~~Calhoun County~~ PDMP 2014 grant exp. 9-30-2016
- Cass County (will expire 1/5/2017)
- ~~Charlevoix County~~ PDMP 2012 grant exp. 7-31-2016
- ~~Cheboygan County~~ PDMP 2012 grant exp. 7-31-2016
- Chippewa County (will expire 11/25/2019)
- ~~Clare County~~ PDMP 2012 grant exp. 9-30-2016
- Clinton County (will expire 7/6/2020)
- Crawford County (will expire 11/18/2019)
- Delta County (will expire 8/10/2020)
- Delta Township (Eaton County) (will expire 8/10/2020)
- Detroit, City of (Wayne County) (will expire 4/7/2020)
- ~~Dickinson County~~ EMHSD direct assistance
- Eastern Michigan University (will expire 3/15/2018)
- Eaton County (will expire 8/10/2020)
- ~~Emmet County~~ PDMP 2012 grant exp. 7-31-2016
- Estral Beach, Village of (Monroe County) (expir. 6/9/2020)
- Genesee County (will expire 1/26/2020)
- ~~Gladwin County~~ PDMP 2012 grant exp. 9-30-2016
- Gogebic County (will expire 10/23/2018)
- Grand Traverse County (will expire 7/15/2020)
- ~~Grand Traverse Reservation~~ no known planning activity
- Gratiot County (will expire 1/19/2017)
- Hillsdale County (will expire 9/26/2017)
- Houghton County (will expire 10/8/2018)
- ~~Huron County~~ no known planning activity
- Ingham County (will expire 8/10/2020)
- ~~Iosco County~~ PDMP 2012 grant exp. 9-30-2016
- Iron County (will expire 11/4/2018)
- ~~Isabella County~~ PDMP 2012 grant exp. 9-30-2016
- Jackson County (will expire 12/27/2016)
- Kalamazoo County (will expire 1/15/2018)
- ~~Kalkaska County~~ PDMP 2012 grant exp. 7-31-2016
- Kent County (will expire 6/11/2017)
- Keweenaw County (will expire 10/16/2018)
- Lake County (will expire 7/6/2020)
- Lansing, City of (will expire 10/18/2018)
- Lapeer County (will expire 5/21/2020)
- Leelanau County (will expire 8/19/2020)
- Lenawee County (will expire 6/20/2017)
- ~~Livingston County~~ no known planning activity
- Luce County (will expire 11/25/2019)
- Mackinac County (will expire 11/25/2019)
- Macomb County (will expire 5/21/2020)
- Manistee County (will expire 7/6/2020)
- Marquette County (will expire 8/31/2020)
- Mason County (will expire 8/19/2020)
- Menominee County (will expire 8/10/2020)
- ~~Michigan Technological University~~ no known activity
- Midland County (will expire 1/21/2019)
- Missaukee County (will expire 7/24/2020)
- Montmorency County (will expire 1/9/2020)
- Muskegon County (will expire 10/9/2020)
- Newaygo County (will expire 8/3/2020)
- Oakland County (will expire 1/23/2018) HMGP applic.
- Oceana County (will expire 4/15/2020)
- ~~Ogemaw County~~ PDMP 2014 grant exp. 9-30-2016
- Ontonagon County (will expire 9/17/2018)
- Oscoda County (will expire 8/14/2019)
- Otsego County (will expire 8/14/2019)
- Ottawa County (will expire 5/22/2017)
- Pokagon Band of Potawatomi (will expire 7/23/2017)
- Presque Isle County (will expire 11/18/2019)
- ~~Roscommon County~~ PDMP 2012 grant exp. 9-30-2016
- ~~Saginaw County~~ PDMP 2014 grant exp. 9-30-2016
- St. Clair County (will expire 7/15/2020)
- ~~Sanilac County~~ 2015 HMGP planning grant application
- Schoolcraft County (will expire 8/10/2020)
- ~~Shiawassee County~~ PDMP 2012 grant exp. 9-30-2016
- ~~Tuscola County~~ PDMP 2013 grant exp. 1-9-2017
- University of Michigan-Flint (will expire 12/18/2017)
- ~~Van Buren County~~ ASTI consultants (unknown funding)
- ~~Washtenaw County~~ no known planning activity
- Wayne County (will expire 7/16/2019)
- Wexford County (will expire 8/31/2020)

Background on the map that follows: Because there is a five-year planning cycle that requires communities to review and update their approved plans in order to remain eligible to apply for or directly benefit from federal hazard mitigation grant funds, it is important to track those communities and alert / encourage them to begin this required update process. Therefore, the following categories have been used on the map on the following page. Those counties that have been smoothly shaded in various colors have a completed plan. Those counties without smooth shading (marked only with crosshatching, lines, dots, or otherwise devoid of color) are not currently eligible to receive or directly benefit from federal hazard mitigation grants. A display of dots identifies communities whose plans have expired and therefore are ineligible for mitigation grants until their plan is updated. Shading with white stripes identifies a community that currently is covered by an approved and adopted plan but is scheduled to have that plan expire or be updated sometime within the next two years. Lighter shading denotes areas that still have to officially adopt their updated local hazard mitigation plans (also identified in the list above).

Local Hazard Mitigation Plan Status
12/31/2015



Counties on the map are coded to match the categories below
Selected communities within the counties are listed to the right of those categories which apply to them in the descriptions below.

Plan Status

- No reviewable draft plan recieved: Battle Creek
- Old plan has expired (an update process is needed)
  Lac Vieux Desert Tribe, MTU
- Planning process currently under way
- Plan not yet approved by FEMA: Grand Traverse Band
- Plan meets requirements but NEEDS LOCAL ADOPTION
- Plan approved & adopted: Participants are grant-eligible:
  Delta Twp, Detroit, EMU, Estral Beach, Lansing
- Plan is due for update within the next 2 years: Ann Arbor, Bloomfield Twp, Pokagon Band, U of M Flint

Community Partners Water Response Meeting Minutes
1/21/2016

- Safe place to discuss, won't leave the room
- It will take whole community to serve long term and short term crisis
- Goal is to look to the future, cut off potential problems, or solve problems that don't even exist yet
- Today will frame future meetings

Chris DeVriendt

- Progress is being made
- By close of today, canvas of entire city complete
- Tomorrow, round two begins
- Adjusting strategies, identifying houses that didn't get reached, provide replacement filters
- 200 national guard on the ground filling various roles, looking to take on other roles
- Current NG deployment is 6 days as orders stand right now
    - NG looking at warehouses, door to door campaign
- Supplement with new programs
    - Team Rubicon, Sat and Sun, helping with vulnerable populations
    - MSP provides map that identifies vulnerable populations
    - If you know of other segments that are not getting service, let Chris know
- Currently no target, immediate relief
- Who is point of contact when someone is identified as vulnerable?
    - 211, sheriff
- Pipefitters union doing installs
- Lists are constantly being refined
- Question: is map of vulnerable pop based on self-identification?
    - Data comes from MSP
    - Individuals can call in directly identifying themselves, as are church groups
    - Not going to say no, everyone gets the same service
- Question: what's the long-term distribution plan?
    - Neighborhood Engagement Hub has been helping people currently

Tom Weber

- Planning on attending meetings weekly
- Mapping of vulnerable populations is coordinated through several agencies
    - MDHSS provides data
    - Office of Services to Aging provides data
    - People coming in through 211
- Here to support you
- Opportunity to coordinate with state activities
- Identify what we are doing individually and as a group
- When there is information to share with the state or needs that need to be met by state, Tom is the voice/go between for the state
- Many activities
    - Human services, DEQ, department of agriculture, department of education

FEMA Representatives

- Thank you for work being done
- Overview of emergency declaration, authorities provided, what FEMA support looks like
    - Jan 16 president signed emergency declaration
    - Authorities outlined
    - Authority is limited to commodity support
        - Water, filters, cartridges
    - Working closely with state to identify needs
    - Based on declaration, can continue for 90 days
    - In these meetings, plan to develop long term strategies for community needs
- HHS Led Group
    - Long term/infrastructure planning
    - Handouts: fact sheet on emergency declaration and HHS
    - Goal to make plan to distribute commodities in the longer term
    - Press release talks about US HHS
    - Dr. Laurie is designated official, coming in with federal agencies, setting up distinct operation
    - Emergency declaration focuses on commodity needs and possibilities, day to day needs of people

    - Housed in state emergency operating center (EOC), JIC (joint info center), local EOC, warehouse, points of distribution
    - Second team coming in to help HHS set up operations, support planning of federal partners
    - No involvement in canvasing/boots on the ground—local, county, and state resources covering this
    - Providing technical assistance
- Critical to future planning
- Have contact list for collaboration, resources, access to larger volunteer agencies and faith-based organizations

Lauren

- Disaster response expert, operations and logistics
- Supporting state with planning execution and logistics
- Disaster cycle
    - How different organizations come together around this
    - Details about current operation
    - Prepare, immediate response, long term recovery
    - Currently in immediate response phase
    - All disasters are local (community organizations and local government are the critical point for the disaster operations)
    - All other agencies come not to take over, but to support local organizations meeting needs
    - Mission is to put a filter in every home of impacted area
    - Four primary methods
        - Points of distribution (people coming to fire stations)
        - Water response teams (door to door delivery)
        - "Hotshot" (if someone calls or is homebound, targeted door knocking)
        - Partner distribution/local organization distribution (giving supplies to a local organization to do the distribution themselves)
    - Methods can be inconvenient for those being served, impacts day to day life
    - Need to shift to a method that integrates into regular day to day routines of residents, create convenient models for distribution
    - Every household is offered:

        - Door hanger with info
        - Bottled water
        - Filter
        - Filter replacement
        - Test kits
    - Sometimes we run out, but goal is to supply complete package
    - Geographically, entire city is covered
    - Not going to stop until it can be guaranteed that a filter has been offered to every home
    - Some homes currently have no filters/we don't have data to prove every home has a filter
    - Door to door will continue
    - Leverages every place they interact with everyday, so that distribution is not an extra burden
    - Impact area is everyone on the water system
        - Those affected outside of Flint city limits are being served as well
    - Question: are filters all one brand?
        - Currently three types:
            - Brita faucet filter
            - Pur faucet filter
            - Zero Water pitcher
        - Brita **pitchers** do not work
        - All stations, assuming that warehouses are full, have everything
        - Vendors only have certain capacity, FEMA is working on ensuring we have an adequate and consistent supply of variety
        - If we max out vendor's capability, we will look into alternative sources, seeking redundancy/more vendors
    - Defense Production Act
        - These filters will be sourced to support this effort
        - Overseas shipments are being re-routed to support this effort
    - Test kits
        - Special bottles, need to be received, tested, and verified to use
    - Governor's website is adding a link for vendors to submit information for review
    - Try not to direct people to EOC (they are inundated)

Plan for tomorrow through Sunday night (does **not** mean things end on Monday)

- Continue with current distribution model (four methods)
- Go back again to make resources available until we can say with assurance that we have offered filters to every house
- How is house defined?
    - Defined as household, regardless of structure (including apartments, etc.)
    - Red Cross, state trooper, sheriff, national guard, air force, EBVs, are all acting as water response teams
    - Regardless of team, all are offering the same stuff in the same way, tracking data in the same way
    - What about people who won't open door to government agency?
        - Red Cross & volunteer teams will address these areas, once information is available about what these locations are
        - Increase partner distribution (e.g. churches, schools, other normal touch points for individuals)
        - Need to work through logistical details
        - Health centers as a good potential distribution site
        - Need for this group's local knowledge to guide insights about refining methods/distribution points, to change to a better model to meet needs in a way that doesn't require door to door
        - Cautious about driving everyone to a new location
        - Messaging important
    - Other places where filters are available
        - Health department, WIC clinics, Dialysis, MTA, Comcast, and others providing smaller, targeted distributions
    - Who maintains list of distribution sites?
        - Anyone who wants to be a distribution center or donate supplies or volunteers—send to Chris
        - Three contact names & numbers:
    - Currently other sites possible for distributing water, since we are reaching the limits of current capacities
    - Ample supply of water from state—direct people who want to donate water to Flint Children fund, which at this point will be more helpful

- Unless people are sending by the truckload, try to redirect individual donations to online monetary donations
- Food Bank needs solutions for
  - How long are we using water?
  - How are we recycling water bottles? (recycling will be in effect very soon, there will be educational outreach)
  - No trust about filters, lots of misinformation about filters
- Flint school parents don't trust bathing in the water as well
  - To say anything with certainty about safety at this point impossible
  - Need more data from testing
  - 2800 samples already in Lansing
- Health department stance is that bathing is safe
  - This kind of lead not absorbed through skin
  - Concern for small children who might ingest bathwater
  - This is the messaging on the door hangers being distributed
- If someone is buying a filter on their own, they need to make sure it is rated properly—standard filter in a store may not work
- Disabled & seniors may not be able to carry supplies or leave homes
  - MTA provide transportation assistance?
  - Where is the best source for data about these vulnerable individuals?
  - For elderly: VAAA
  - Disability: Mike Zelley
- Map (handed out)
  - Squares indicate target area
  - Entire geographic area has been covered
  - Dots indicate water response teams that started Tuesday confirm a filter transaction, also indicate identified vulnerable populations (data from VAAA, Disability Network, and others)
  - Planning on doing comparison of the data sources we have
  - Contact visiting physicians, home caretakers, private entities for data?

- Community Volunteer Reception Center
  - Working exceptionally well
  - 211 directs EBVs to Red Cross building
  - VRC is managed by Red Cross Americorps and United Way staff

- Average time to be registered and assigned a job is 25 minutes maximum
- Thanks to gracious partnership with MTA, longest anyone has had to wait to be transported to job site is 10 minutes
- 4 MTA drivers in Red Cross lobby to transport volunteers out to job sites
- Cards are distributed to EBVs with number for pick up and drop off
- Thanks to MTA, volunteers can work at their own pace—excellent!
- Hours of operation of VRC change depending on need, depending on staffing requests coming from state and local EOC and community agencies
- VRC hours are currently 9-7 today and tomorrow, weekend hours TBD
- See handout: volunteer workforce request form
  - After it's ensured that form is accurate, it is given to VRC lead to be filled by incoming volunteers
  - Send form to single point of contact
- Increased media coverage has led to many prospective volunteers coming in
  - Facilitate more job opportunities for these incoming volunteers for the future
- Workflow of VRC provided in diagram
- So far we have been able to fulfill all the requests that have come in

Response Topics

- Spiritual/Emotional/Mental Health
  - Who is providing this right now?
  - Who needs to be involved?
- Helen
  - Parents in emotional distress about long term effects on children
  - 211 has no plan in place for dealing with these issues
  - For people in extreme distress, 211 uses their standard response, no specific response
  - 211 only as strong as the information that can be provided to them about community needs and resources
  - Part of responsibility of these meetings is to identify individuals/organizations that can respond to these issues

- Current provider network for mental health includes Catholic Charities, Family counseling, Genesee Health System
    - These providers are not necessarily prepared to deal with this specific question en masse
    - At this point probably not prepared to respond in an intentional way for the water crisis
    - Disaster teams communicate with largest players?
    - Catholic Charities discussing how to address specific issues/seeking resources
    - Chris: SAMSA has dedicated a hotline for people to call
    - At health department, recognize huge need for trauma care for children and adults
    - Current facilities do not have the long term capacity for the amount of trauma
    - Federal teams working with GHS to support these efforts
    - Well defined, narrow scope of federal funding currently—mental health is being addressed through alternate channels
    - Every agency at federal, state, and local level working on this issue, even if some things cannot be achieved solely within the parameters of the presidential declaration
    - Importance of carrying a consistent message
        - Balance between acknowledging the tragedy of the disaster and recognizing that a learning/cognitive disability is not a death sentence
        - Need for consistent, positive messaging
            - Funneled through JIC
        - Some players ignorant or not reporting correct facts
        - Leadership needs to step up to address misinformation, sensationalism, and quell fears
        - Leaders can come to EOC to see official press releases
        - Hard to prioritize PSAs currently with so much going on
        - JIC
            - Newsroom/media room where press releases are produced
            - Information from a variety professional sources
            - Produced in prose suitable for the public to digest
            - Emphasis on consistency

- Agencies can turn to JIC to distribute information to larger audience
- Information changes fast

Other Topics/Questions

- What to do with weekend donations of water?
  - Being directed to Red Cross
  - Red Cross accepting donations 7 days a week
  - Trying to make sure public doesn't think Red Cross is a distribution point
  - Seeking more neutral locations that can potentially serve as donation and/or distribution points
    - Where it can be moved easily, sit for a period of time
    - Diplomat a potential site?
    - Other businesses with space?
    - Current biggest space is the warehouse
      - Warehouse needs to process larger donations
- Where did flintwaterinfo.com come from?
  - Inaccurate information
  - Being addressed by United Way
- Average wait times for 211 calls?
  - 400-500 calls a day
  - Grand Rapids, Flint, and Detroit call centers on backup
  - State of the state address/national attention led to 800 calls a day going from a 2 minute wait to a 20 minute wait
  - With every public mass communication, number of calls spike
  - Communication is critical for management of that system
  - Regimented process for 211
  - Every single call is responded to
  - Customer service key
  - State looking into building out this system, building capacity to alleviate buildup
  - Health department working on a plan to bring in temporary staff just to man phone calls, but currently don't have ability to field so many calls and questions

    - All nonprofits actively engaged are having to build capacity enhancement
    - Be patient with people who are frustrated, understand that organization's current teams are under a lot of stress
- Who else should be at these meetings?
    - McLaren physicians group want to participate
    - Diana Kelly invited
    - VAAA invited
    - Family Service Agency (serve elderly) should be invited
        - Contact point
    - Michigan VOAD
    - If you think of other groups who should be at these meetings, invite them!

Next Steps

- In contact with state and national groups to address mental health issues
- Think big
    - Hope to secure enough supply of commodities on the ground to cover at least a year under presidential declaration
    - What is best ongoing, sustainable way to get commodities out to people long term?
        - Direct mail from vendors?
        - Vouchers?
    - Want to have least amount of impact/intrusion on people's everyday routines
    - FEMA wants to know thoughts and ideas from group at this meeting, since you know the community
    - Commodities only include water, filters, cartridges, test kits
    - Emergency declaration would have to be appealed by governor's office
        - Appeal for more FEMA aid currently being reviewed
- Future meetings: weekly on Thursdays 3 pm – 5 pm

Donations Management Plan

This plan was designed to support donations management of the Flint Recovery Effort and assist with the coordination of material and financial donations.

I. Needs Assessment of individuals

To ensure the donations are meeting the needs of Flint residents, a communication system to track the needs and make adjustments of requested donations is outlined below.

A. Identifying and Meeting Individual Needs

- 211 will provide a report to identify trends from the information they have collected – demographics of who requested assistance and what services they requested
- 211 will be listed as the number for people to call, to allow all information regarding requests for assistance or offers to help to go to one location. The system will assist people with understanding how to volunteer/donate or receive assistance for the Flint water issues.
- To manage the increase of calls and manage caller volume, 211 will partner with other communities 211 operators
- Information is being collected that identifies people who need assistance with installations and other face to face contact.
- Information will be tracked to identify needs and determine if additional donations need to be requested. 211 will provide regular updates.

II. Material and In-Kind Donations

When donation arrangements have been made, Wendy and Pam will be sent and email alert by Janet.

A. Donation List

- Materials: Water – individual bottles, gallon jugs, and larger.
- In-Kind: Labor to install filters, trucks to deliver materials
  Donors should be directed to Janet Hunter HunterJ8@michigan.gov
  Internal Phone to provide to donors not for publication: cell 989-763-9421

B. Publicize Items to Donate

- The donation list will be sent to partners to post with their networks and post on state, county, and city sites and social media
- Donation items and drop off locations will be listed in a press release.
- Press releases will inform public of donation opportunities
- Government organizations and community partners will be asked to post on their web-sites and social media
- 211 will have all information to share with those who contact them
- Additional information requests for donating can be directed to the Michigan Community Service Commission, Janet Hunter HunterJ8@michigan.gov

B. Warehouse Location – Drop off Location for Large Donations of Water

- A warehouse location to store surplus of donations is located at: 4315 Clio Rd, Flint, MI
  Refer interested donors that have more than one semi truck of water to Janet Hunter HunterJ8@michigan.gov (Internal Phone, not for publication: cell 989-763-9421)

C. Public Drop off locations of Water

- Donations will be tracked at the sites.
- Inventory and burn rates will be tracked to identify need for donations.
- Small Water Donations: – cases and pallets 100 cases or less deliver to:
  Monday - Friday 9:00 am - 4:00 pm Catholic Charities Center for Hope 517 E. Fifth Ave
  Saturday -Sunday 9:00 am – 4:00 pm Red Cross 1401 Grand Traverse
- Large Water Donations – 100 cases or more, one Semi Truck
  Monday - Friday 8:00 am - 4:30 pm Food Bank of Eastern Michigan 2300 Lapeer Rd
  810-239-4441 If Food Bank receives donations offers of more than one semi truck or if they are full, they will refer donor to Janet Hunter to make arrangements to donate to the warehouse.

III. Cash Donations www.flintkids.org

A. Financial Donations

- United Way, Community Foundation of Greater Flint, Hurley Children's Hospital and the Greater Flint Health Coalition have come together to create a fund that will address both the short-term and long-term needs of Flint residents. The Community Foundation is managing all financial donations and no administrative fee is assessed Direct Donation requests to www.flintkids.org or
  phone 810-232-8121 (United Way) 810 -767-8279 (Community Foundation of Greater Flint)

community foundation
Greater Flint
For good. For ever.

United Way
United Way
of Genesee County

News Release

DATE: January 11, 2016 **FOR IMMEDIATE RELEASE**

Media CONTACTS:
Mary Jo Herbig, Director of Communications, Community Foundation of Greater Flint
(810) 767-8439 or mherbig@cfgf.org

Jamie-Lee Venable, Director of Community Impact, United Way of Genesee County
(810) 516-9455 or jvenable@unitedwaygenesee.org

FLINT CHILD HEALTH & DEVELOPMENT FUND WILL PROVIDE SUPPORT TO FLINT CHILDREN EXPOSED TO LEAD

FLINT, MI – A group of concerned community members have created a charitable fund so that people nationwide can contribute to support both short and long term needs of Flint's children exposed to lead. The Fund, established at the Community Foundation of Greater Flint, is a supplemental resource to the ongoing pursuit of additional state and federal funding.

"If there was ever a time to invest in our children, it is now," said Dr. Mona Hanna-Attisha, Hurley Medical Center physician. "Our Flint children deserve every opportunity to be healthy and successful. The creation of this Fund will further ensure that our children are afforded the resources and interventions to overcome this population-wide exposure to lead."

The Flint Child Health & Development Fund will support the delivery of critical public health, medical, and community-based services and interventions that address and mitigate the short and long term impacts experienced by Flint, Michigan children exposed to lead as the result of the 2014-2016 Flint Water Crisis. The Flint Child Health & Development Fund will be used to aid children with interventions that support positive health outcomes for Flint children, including:

- Immediate response
- Optimal child health & development
- Early childhood education
- Continuous access to a pediatric medical home
- Access to infant and child behavioral health services
- Nutrition education
- Healthy food access
- Safe & healthy home environments
- Integrated social services
- Research

Grants from the Fund will be advised by a committee of community members with representation from residents, Hurley Children's Hospital, Mott Children's Health Center, Greater Flint Health Coalition, United Way of Genesee County, and the Community Foundation of Greater Flint.

"The Fund, and its Advisory Committee structure, ensures that donations will be used in the most effective way to help Flint children," said James Gaskin, Chief Executive Officer of United Way of Genesee County. "We extend our deep appreciation to all the donors who have responded generously to this emergency."

The Community Foundation is extremely grateful to the United Way of Genesee County and their CEO, Jamie Gaskin, for the dedication of staff, time and resources in the day to day coordination of the immediate response to this ongoing crisis, said Kathi Horton, President, Community Foundation of Greater Flint. "Together, the Community Foundation and United Way will be working with the fund advisory committee to ensure that the needs of Flint's children are addressed."

Give online to the Flint Child Health & Development Fund at www.flintkids.com.

Flint Water Response Team Plan for Saturday & Sunday, 01.23-24.16_V2.0_FINAL

Changes are highlighted in red

Key

WRT	Water Response Team
OIC	Officer In Charge
ARC	American Red Cross
OGCS	Office of Genesee County Sheriff
HH	Household
LEOC	Local Emergency Operations Center
NG	National Guard

Key Leaders

WRT OIC	Lt. Amy Dehner	
ARC OIC	Robert Gaskill-Clemons	

Plan

Agency	Team Types	Mission
MSP/OGCS/NG	15 Teams	3000 HH
ARC	40 Type V	7000 HH

MSP/OGCS/NG

Resource Status

Team Type & Quantity	Type: N/A Quantity: 18				
Resource	**Minimum**	**Minimum Confirmed**	**Notes**	**Date**	**Time**
Team Leader	15	15		1/22/16	1525
16ft -20ft box truck	15	15		1/22/16	1525
Truck Driver	0	0	Sourced from NG	1/22/16	1525
Team Member	180	180		1/22/16	1525
Team Transport Vehicle for 6-9 Team Members	15	15	12 from DOC & 3 from	1/22/16	1525

			Warehouse		
Team Transport Driver	15	15	12 DOC & 3 from NG	1/22/16	1525
Patrol Car	15	15		1/22/16	1525
iPads	30	30		1/22/16	1525
Hand Warmers	300	300		1/22/16	1525
Vests	0	0		1/22/16	1525
Distribution Kit	3000	3000		1/22/16	1525

ARC

Team Type & Quantity	**Type:** Type V **Quantity:** 40 (10 ERV & 30 Box)				
Resource	**Required**	**Minimum Confirmed**	**Notes**	**Date**	**Time**
Team Leader	40	40		1/22/16	1525
ARC ERV	10	10		1/22/16	1525
ARC ERV Driver	10	10		1/22/16	1525
16ft box truck	30	30		1/22/16	1525
Truck Driver	30	30	Sourced from ARC	1/22/16	1525
Team Member	150-300	150-300	Islamic Relief & Others	1/22/16	1525
Team Transport Vehicle for 2-4 Team Members	30	30	10 from warehouse & 20 from ARC	1/22/16	1525
Team Transport Vehicle Driver	30	30	Sourced from ARC	1/22/16	1525
Patrol Car	0	0		1/22/16	1525
iPads	40	10		1/22/16	1525
Hand Warmers	60	382		1/22/16	1525
Distribution Kit	7000	7000		1/22/16	1525

Execution:

Key Locations

Team	**Assembly Area**	**Hours of Operation**
OGCS/MSP	LEOC Genesee County Administration Building	0830-1600

	1101 Beach St, Flint	
ARC	ARC 1401 S Grand Traverse St, Flint	0730-1600
Warehouse	4315 North Clio Road, Flint	0700-1900

Critical Task: Assemble, coordinate, and monitor WRTs

OGCS/MSP Process:

1. Assign team leaders, team members, and routes to teams
2. Team Member check in
3. Conduct pre-deployment briefing to include team mission assignments, concept of operations, deployment locations, replenishment process, reporting process, and safety briefings (refer to OGCS_MSP WRT Volunteer Assembly Information V2.0_011816 for detailed information on volunteer processing at LEOC)
5. Provide training to new team members
6. Issue vest and badge to team members
7. Execute morning distribution assignment
8. Lunch served between 1230-1330
9. WRT OIC and Team Leaders midday brief
10. Execute afternoon distribution assignment
11. Conduct post-deployment debrief with team leaders and members
12. Collect vest and badge from team members

Sample Script for Team Members:

We're here to make sure you have all the resources you need. We have bottled water, a faucet and replacement filter, and a water test kit. Your water sample will assist in monitoring the lead and copper in the water system. Make sure to submit the water sample. The instructions are included here with the bottle, but make sure to submit within 14 days. If you need assistance or have other questions, you can call 211.

Execution Support:

Product Replenishment Process:

Team	Replenishment Trigger	Replenishment Location	Process
GCSO/MSP	0 Distribution Kits Remaining	Distribution Route: exact location determined by Team Leader	1. Contact warehouse to request replenishment truck 2. Coordinate replenishment location with warehouse 3. Exchange replenishment truck with empty truck
ARC	0 Distribution Kits Remaining	Clio Warehouse	Replenish ERV at warehouse

Warehouse

Tactics:

1. Load a minimum of 2 trucks in preparation for replenishment requests with product loads corresponding to Team Typing Matrix

Lunch

OGCS/MSP WRTs lunches will be provided by the ARC and coordinated by LEOC Logistics.

Reporting:

Tactics:

1. All WRTs will utilize iPads as the primary reporting method and the WRT Distribution Tracking Tool as a secondary method if iPads fail.

On call: Chad V., Bob K., Lawrence M., Mary L., Ken S., Tom D.,

Open: 2:04pm

- Update of activity
  - VOADs
  - Bob: SBDR no teams this week. Assessed a couple more. World Renew is sending 10-15 (18-20th of February), and we have close to 50 the first full week of March (7th), and 140 second week (14th), and 110-120 the third week (21st). Gearing up from Spring Break. Bob is out of town the next 5 weeks. Will still call in and do emails. LDS and supplies – Chad to direct to Bob (email). Year-end totals: est. value of total volunteer labor is $750,000 (35,000 hours, 430 volunteers, 468 mud-outs, 15 rebuilds, w/ 35-40 more). This will get us in to Hamtramck and Pershing neighborhood
  - Lawrence: 30 volunteers again this week – both short and long-term (in 7 basements today). Really good team response. Still would LOVE to find money for materials. **Will run out of money before basements.** Crisis never ended in Detroit. 23 open cases for repairs (waiting on shipments of floor tile), but these should be done soon. A couple open muck-outs
    - Bob: for floor tile removal, are you dealing w/ asbestos (7", 9", 11"). Started to remove, but then stopped. Taking up and disposal are both huge issues. Now, this year, were told we could seal in clear bags (current advice was that there is no risk taking up, just grinding and creating dust?). Reuben: not dealing with it. We subcontract it out (decided not to handle it). Use Go-Green and Becky has another contact
    - Lawrence: in Crisis CleanUp, we have contact almost 100% of the folks on the east-side. *We could not be doing this without Salvation Army support and LDS materials!* Reuben seconds this! Also, city debris pickup
  - Mary: Case Management will not meet again until February 13th
  - Tom D.: Unfortunately, we had 2 groups drop out. Moved to SC (not Detroit). Will correct that info. First group will come in the first full week of March. Working with Reuben, so we need to transition to Becky directly. Reuben to coordinate w/ Tom
  - Reuben: AHV is closing project this month (January 31st). Can see high levels of unmet needs, and attention has been too low (vs. what it deserves). So very proud of all the efforts of everyone here. Have 12 volunteers in field today. A couple mucks/guts and rebuilds to finish. Will provide final report. 12,000 hours w/ nearly 400 volunteers. New funding means we can come back (irons in the fire for a later date)
  - DCM – no report (see Mary comment on next meeting)

- Update from Volunteer Committee lead
  - Very, very busy in Flint. Still available to support (just call and/or email). Thank you AHV! Reuben: thank you Chad and celebrate our work and collaboration we've had here in Detroit!

- Next meeting: Chad to update

Adjourn: 2:31pm

ORGANIZATION	CONTACT	PHONE	E-MAIL
American Red Cross	Tony Lasher		tony.lasher@redcross.org
American Red Cross	Justin Bays		justin.bays2@redcross.org
American Red Cross	Victoria Fryer		victoria.fryer@redcross.org
Catholic Charities	Vicky Schultz		vschultz@ccsgc.org
Catholic Charities	Chrissy Cooper		ccooper@ccsgc.org
C.S. Mott Foundation	Jennifer Acree		jacree@mott.org
Communities First	Glenn Wilson		info@communitiesfirstinc.org
Concerned Pastors	Rev. Harris		revalharris1@hotmail.com
Disability Network	Luke Zelley		lukez@disnetwork.org
Family Service Agency	Charles Tommasulo		ctomm@fsamich.org
FEMA	Kathryn Halliday		Kathryn.Halliday@fema.dhs.gov
FEMA	Jason Gamble		jason.gamble@fema.dhs.gov
FEMA	Dan Shulman		dan.shulman@fema.dhs.gov
Flint Public Schools	Tony Sitko		tsitko@flintschools.org
Flint Public Schools	Bilal Tawwab		btawwab@flintschools.org
Flint Public Schools	Eileen Tomasi, RN		etomasi@flintschools.org
Flint Neighborhoods United	Joe King		jlking155@gmail.com
Food Bank of Eastern Michigan	Bill Kerr		wekerr@feedingamerica.com
Food Bank of Eastern Michigan	Kara Ross		kross@feedingamerica.org
GCCARD	Matt Percell		mpurcell@co.genesee.mi.us
Genesee County/EMHSD	Chris Devriendt		cdevriendt@co.genesee.mi.us
Genesee County Health Department	Mark Valacak		MVALACAK@gchd.us
Genesee County Health Department	Tamara Brickley		tbrickey@gchd.us
Genesee County Health Department	Hilda McShane		hmcshane@gchd.us
Greater Flint Health Coalition	Kirk Smith		ksmith@flint.org
Islamic Relief	Mikailu Jalloh		mjalloh@irusa.org
Mayor Weaver's Office/City of Flint	Sean Kammer		skammer@cityofflint.com
Mass Transportation Authority	Ed Benning		ebenning@mtaflint.org
McClaren Physicians Group			
Michigan CSC	Janet Hunter		hunterj8@michigan.gov
Michigan CSC	Chad Vesser		
Michigan CSC	Ginna Holmes		holmesv@mich.gov
Michigan DHHS	Sheryl Thompson		thompsons2@michigan.gov
Michigan State Police/EMHSD	Thomas Weber		WeberT1@michigan.gov
Michigan State Police/EMHSD	Michelle Kuzera		kuzeram@michigan.gov
St. Vincent de Paul	Barbara Horner		bhorner@comcast.net
Salvation Army	Bill Goodwill		william_goodwill@usc.salvationarmy.org
Salvation Army	Capt. Caleb Senn		caleb_senn@usc.salvationarmy.org

Salvation Army	Chuck McDougall	charles_mcdougall@usc.salvationarmy.org
United Way of Genesee County	Jamie Gaskin	jgaskin@unitedwaygenesee.org
United Way of Genesee County	Jamie -Lee Venable	jvenable@unitedwaygenesee.org
United Way of Genesee County	Jenny McCardle	jmcardle@unitedwaygenesee.org
United Way of Genesee County	Rachel Wenzlick	rwenzlick@unitedwaygenesee.org
UM-Flint	Michael Lane	milane@umich.edu
UM-Flint	Linda Dintenfass	Linda.Dintenfass2@redcross.org
UM-Flint	Deidre Verdun	dverdun@umflint.edu
VAAA	Kathy Boles	kboles@valleyaaa.org
	Diana Kelly	dckellyschoolties@gmail.com

Operational Concept

Single Family Residence

- Canvassing by National Guard teams supported by MSP and local sheriff
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- Each team will have one person tasked with data collection using the iPad and application developed by GIS
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? etc.)
- Currently, do not believe attribute changes are needed to form fields for collection. Major concern is individual filter burn rates for replacement. Potentially add an item for total number of residents in a home.

Multi-unit residence

- Canvassing by volunteer agencies
- Locations provided by City of Flint (Building & Safety Department) who can assist in coordination with local complex owners and assist in coordinating the collection of water for testing
- Maps to be provided by GIS to each team (daily) to ~~identify the area they are to canvass to avoid gaps and/or overlaps~~indicate where multi-unit housing is and the status of team activities from the prior day (percent complete)
- Each team will have one person tasked with data collection ~~using the iPad~~per complex and a results will be aggregated by address and sent to SEOC planning to update facility statuses using ESRI for Office to update dashboards and metrics ~~and application developed by GIS~~
- Specialized training provided to team members (different approach than single family residence canvassing)
- Contact made with each property owner or their designated agent (property manager) to identify the number of units occupied
- Each occupied unit at the address will be canvassed and water samples gathered for occupied and non-occupied units in coordination with landlord and maintenance staff.
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? etc.)

All other targeted locations (Schools, churches, day care centers, restaurants, hospitals etc.)

- Canvassing by volunteer agencies in coordination with state agency overseeing specific facility type
- Locations provided by City of Flint (Building & Safety Department)
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- ~~Each team will have one person tasked with data collection using the iPad and application developed by GIS~~facility type will be tracked by the state agency who oversees that facility (i.e. ~ MDARD maintains master list for food and water facilities and updates status, MDCH maintains master list of hospitals, etc) Results will be tracked by state agency using ESRI for office to update dashboards and metrics.
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Comment [PGCS1]: Consideration for this process if day of the week and time. If a big push is not on the weekend we will still run into the same issue with individuals who work.

Comment [PGCS2]: I thinking tracking should still be done by teams. The state agencies should be identifying the POC for each specialized facility.

Other considerations

- Who will be the lead for this canvassing effort?
- What is the target date for completion for each of the target groups (single family residence, multi-unit residence, and all other targeted locations)?
- What additional data fields will be added to the iPad application and who is responsible for developing the data and coordinating with GIS for inclusion in the application?
- What (if anything) is needed to address functional needs populations within each of the identified target groups/
- How do we effectively and accurately merge the data form the PODs with the data from the canvassing teams?

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All other targeted locations (Schools, churches, day care centers, restaurants, hospitals etc.)

- Canvassing by volunteer agencies and LARA teams.
- Locations provided by City of Flint (Building & Safety Department) and LARA.
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- Each team will have one person tasked with data collection using the iPad and application developed by GIS
- Specialized training provided to team members (different approach than single family residence canvassing)
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? How many beds/registered children/clients/students, etc? Does your facility have special needs for filtered water?, etc.)

Other considerations

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Comment [WK(1]: Might be helpful to sit down and look at the map overlays that have the special circumstances included such as EMpower data for medically dependent individuals and the information that LARA has for licensed facilities.

Comment [WK(2]: Will you be scripting responses? For example What if they do not have the filter installed? What if they do not want to say how many people live there?

Comment [WK(3]: Will you be going to hospitals? I thought LARA was handling licensed facilities.

- How do we effectively and accurately merge the data form the PODs with the data from the canvassing teams?

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Community Partners Meeting Minutes
1/14/16

- Agenda
  - Goal is to capture in one room what people are doing currently, plan for the future, problem solve, and make sure all the agencies working right now are coordinated in being stewards of the donor dollar, of volunteer's time, and of our own efforts
- Introductions
  - Tony Lasher, ED, Flint ARC
  - Justin Bays, subject matter expert, community partnerships, long term recovery
  - Mike Mitchell, ED Red Cross Grand Rapids, standing in for Tony for a few days in Flint
  - Linda Dintenfass, assistant director for external relations on this DO, also emergency preparedness specialist for UM-Flint, UM-Flint has been involved in a myriad of ways for a fair amount of time
  - Mike Lane, director of env, health, and safety at UM-Flint
  - Jenna Holmes,
  - Janet Hunter, NCSC
  - Kara Ross, VP, Food Bank
  - Chris DeVriendt, GCEMHSD
  - Matt Purcell, ED, GCCARD
  - Bill Goodwell, Salvation Army
  - Jenny McArdle, United Way
  - Sean Kammer, City of Flint
  - Tony Sitko, Flint Community Schools
  - Tamara Brickey, GCHD
  - Vicky Shultz, Catholic Charities
  - Sheryl Thompson, deputy director for Michigan health services Lansing, NDHHS-L
  - Eileen Tomasi, RN, Flint Community Schools
  - Rachel Wenelick, UWGC
  - Jamie Lee Venable, UWGC
  - Joe King, NEH
  - Victoria Fryer, Red Cross VRC Contact (victoria.fryer@redcross.org)
  - Linda Cieciek, Red Cross VRC Contact (linda.cieciek@redcross.org)

- EOC Information (Chris DeVriendt)
  - Unique situation, never happened before in US to this scope and breadth
  - Started as crisis, turned into declared emergency at state level
  - Public Act 368, ran through local health dept, as public health emergency
  - Declared emergency from city, Public Act 390
  - Elevated to county level, then elevated to state level
  - Every governmental agency involved is an employee of the governor
  - Getting direction from both Lansing and local level
  - Engaging with all partners
  - SEOC = state equivalent, nerve center, planning chief
  - EOC directing daily operations to get tasks done
  - This is not going to be a short emergency
  - Recent developments—legionnaire's disease

- Perception is reality: people don't trust filter, require more bottled water
- Groups work independently, but also need to coordinate to make sure everyone has water
- Door knocking has been a huge success
- Goal: knock on every single door in Flint in a week; as volunteers come in, this goal becomes more attainable
- Need experienced volunteers, for safety reasons—doubling numbers may be problematic
- Trucks go out on regular runs to distribution centers
- Quell public fears—we have water
- We are depleting national stockpile of filters
- Brita—if you buy a filter, they donate one to Flint
- Pipe fitters go into households for installation, can call 211 for help with installation
- If you have resources, email Chris
- Job descriptions will start being posted, increasing opportunities
- Eventually going to drive all filters to one brand/one model
- Looking to add two warehouses for one central repository, full of water and materials to distribute, including water tests
- New water emergency official logo for badges
- Concept of naming/labelling—"Flint Water Crisis"
    - Relief? Response? Recovery?
    - Official names of teams knocking on doors "Water Resource Team"
    - Public health community—distance from "recovery," "victims"

VRC (Volunteer Resource Center) Information

- State and EOC asked Red Cross to help set up VRC
- Assisted by United Way, Michigan Community Service Commission
- Physically set up for last 4 days
- Opened Wed 9 am to 7 pm
- Controlled soft opening
- Need to manage event based volunteers expectations, and partner agencies and stakeholders with jobs to fill
- If we make large announcement to public, we may get a huge influx of volunteers, without jobs to match volunteers with yet
- When event based volunteer comes, we may have a job for them right now, but at this point, it's more likely that we won't, but we will still capture information and follow up
- See process map and volunteer workforce request form (handouts)
- Direct forms to Chad
- People manage expectations of VRC and the VWRF are filled out correctly
- Protection of our volunteers is our number one priority, and second goal, make sure they are out in the field helping our efforts
- Important for coordination, to streamline process
- EOC and SEOC gives jobs to be filled by volunteers
- Requests go from Chad to VRC
- VRC will make sure we have a volunteer to match skills to task
- See overview, first revision (handout)
- Volunteer points of contact: Victoria Fryer and Linda Cieciek

- Age requirement to be determined
- Right now 211 fielding all calls, instructed to come to Red Cross building to become volunteer, one informational access point

Partner Activities

- Three key things to know:
  - Needs
  - Current
  - Future

Catholic Charities

- Currenlty distributing water through community closet
- Not a lot of water to hand out
- Designated drop off location
- Would like to be able to distribute water at all 3 soup kitchens, not just community closet
- Want to spread reach
- Looking for more water donations
- For the future, hope to have filters and cartridges
- Food banks can store up to 8 semis, Catholic Charities have some space

Water Distribution

- Current Sites
  - Catholic Charities
  - Individual churches—any ideas to combine effort
  - Christ enrichment center
  - Salvation Army
  - Foss Avenue
  - Beecher
  - Christian love faith center
  - St. Luke's Catholic Church
  - Fire Stations 1, 5, 6, 8, 2
  - UAW
  - Chrysler
  - Next week: Berston fieldhouse, Brennan Center, Hasselbring
  - Flint schools (donations distributed to schools, daycares), not distributing to community at large right now
  - Enterprise car rental—sporadic drives and giveaways, started national campaign
  - Art Van, metro Detroit, Lansing, Flint, collecting water, coming to Catholic charities on a weekly basis
  - Flint City Hall distributing filters
- Water Sources
  - Largest source is FEMA
  - Donations (public, charitable)

Filters

- Distribution Sites
    - City of Flint
    - GCCARD
    - Fire stations
    - City Hall
    - DHSS Offices
    - Churches
    - Canvas
    - Housing Comm
    - Concerned Pastors Group
    - Open to **clients only, not public**: health dept and associated programs (WIC clinic, primary care clinic, AIDS Wellness, Planned Parenthood, DaVita Dialysis, FMC Dialysis, Grand Blanc Community Schools)
    - Brita started in-kind donation (looking at a month, same process for other filters into warehouse)
    - State authorizes purchases from Home Depot, etc
    - Brands:
        - Pur (Faucet)
        - Brita (Faucet)
        - Zero Water Pitcher
    - Filters have LED indicator for replacement, pitchers have indicator stick
    - Problems: hot water degrades filters
    - Filters need replacement based on amount of water running through, not based on time
    - Trying to push everything to Brita (short-medium term)
    - In the short medium term, work on messaging
    - Multi-year problem (Chris projection: 19 years)
    - Filters, education, support needed for lifetime
        - Identifying sources for this long-term support
    - GCCARD can handle volume of filters currently
    - Supply of water will require space
    - Years needed to restore trust, to replace infrastructure/piping
    - Minimal control on filters, little to no controls on the distribution of water
    - State goal: every church a distribution site
    - Mott set up refillable, filtered water stations
    - DEQ looking into filter replacements in schools/colleges
    - Operational security measure
        - Broken up pallets of water—make sure to inspect water
    - Smaller donations harder to manage
    - Food banks can store up to 8 semis, Catholic Charities have some space

Water Testing Kits

- Distribution Sites
    - City Hall
    - Fire Stations
    - City water plant
- Drop Off Sites for Testing Kits
    - City Hall

Public Information

- How to set up systems for community members to be updated?
- Education, getting answers out
- Are we all using the same/consistent information
- Sources of info
    - Joint Information Center (also to update 211, but include Jamie-Lee Venable to keep in loop)
    - Genesee County Health Department, website has many resources, fact sheets, press releases, etc.
    - Volunteers
    - Identify point of contact for organizations
    - Nutrition, water usage
        - Health department: common questions on handwashing, bathing, filters
        - Communications person for health department: Shana (?)
- Biggest source of public information is the volunteers themselves, vetted by JIC

Vulnerable Populations

- International students, non-English speaking
- Undocumented (Catholic Charities, Hispanic Tech Center, Our Lady of Guadalupe Church)
- Homebound, non-mobile
- Chinese community, limited communication (work with UM-Flint international students?)
- Translations of public health information
    - Translation services (contracted out upon request)
    - Some print materials in English, Spanish, Arabic
    - Request to state to get more fact sheets in different languages (get Mandarin added to list?)
- Locations with higher volumes of people—basic faucet filters run out very quickly
    - UM-Flint has a supply partner with good rate for larger filters (Michael Lang)
    - NSF 42 53, certified for lead filtering
    - Food bank has list of larger capacity filters
    - Locations with high water use in the city—get list?
    - Smaller businesses, access to bigger filters
- Mentally ill—no plan, hard to capture data

    - Able to leave homes? Comfortable in public?
    - Help of Genesee Health System to better identify this group
    - Rehab center need for filters
    - Clients feel stigma in community, so afraid to go to distribution sites, not willing to open doors to police and service men
- All vulnerable groups need continuous attention follow up in the months to come
- VOAD (disaster volunteers) in communication with Red Cross
    - One main function is to go to the homebound
    - Need to find gaps in delivery, then info communicated to larger volunteer organizations
- Restaurants
    - Health department working with state to create guidelines for restaurants
    - Not every area of Flint is unsafe
    - In general, restaurants safer than household residents, but still problematic
    - Hot water is more problematic
    - Fast food restaurants especially need attention
    - Reach out to Michigan dept of agriculture?
    - Priority to get households safe, then to work on restaurants
    - Help bring confidence back to the community with restaurants reporting they have tested their water
    - Party stores, gas stations, fountain drinks—more concerning, harder to regulate

Volunteer Needs

- Shifting from state troopers to volunteers
- Troopers, sheriffs, state employees going door to door through Friday
    - Community members added to these teams
    - Record info from door to door on ipads
    - Keep evaluating, create teams to do this through VRC
- UM-Flint wants specific info about volunteer opportunities (placements, shifts) to send out to students and campus clubs
    - Start at VRC
    - See Victoria Fryer (VRC Contact) for large groups
- Food will be provided
- Current activities being staffed at VRC:
    - Fire stations
    - Need 10 additional individuals per shift
    - Shifts: 9 am to 4 pm, 4 pm to 9:30 pm
    - 15 additional people needed for Friday
    - 40 additional people needed Saturday for canvasing
    - 40 additional people needed for Sunday
    - VRC hours of operation: 9 am to 7 pm
        - Intake process approximately 30 minutes

- Another job opportunity is data entry
    - Recorded addresses collected at distribution centers into computer
- 20 volunteers needed to warehouse starting Friday
- Family members, faith based organization, clubs—spread the word, ease into public announcement at the larger level
    - Come register, even if no immediate placement—need later down the road
- United Way will contact approx. 200 corporate volunteerism sources

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 20, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested for Lead 10/1/2015 to 1/8/2016: 2,642;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 28
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 15
Severity Indicators: Hospitalized/Discharged - 1/1; Deaths - 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/20/2016
  - 23 families contacted
  - 17 EBL investigations completed.
  - 17 Water sampling completed.
  - 8 Homes where water filters were observed
  - **10 EBL Reports Received.**
    - **10 homes with lead dust hazards**
    - 3 homes with lead in soil hazards
    - **9 homes with lead-based paint hazards**
    - **6 homes with lead detected in tap water**
      - 1 home with lead water levels greater than 15 ppb
  - 4 investigations scheduled.
  - **6 applications received for the Lead Safe Homes Program, 1 family enrolled.**
- 1 home was found to have elevated lead concentrations (72 ppb) in water from a bathroom tap. The family has been advised not to use the tap for consumption or brushing teeth. An additional filter will be provided to the family and options for replacing the fixture will be explored.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- CM report through 1/8/2016:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 134 (0-5 year olds) and 12 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: 30 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- Developed metrics related to elevated blood lead testing among children < 6 years of age in Flint who are enrolled in Medicaid.
- Held conference call with CDC to discuss development of tools related to identification of and recommendations for facilities at greater risk for transmission of opportunistic pathogens.
- Updated Analysis/Summary on first illness wave investigation with recently acquired patient information and illness-related mortality standard.
- Supplied Legionellosis cases to Vital Records for linkage to ascertain any unreported deaths.

Filter & Water Distribution Sheryl Thompson

- **Filters distributed January 1-20, 2016**

Brita Filters	**1,706**
Zero Water Pitchers	**204**
PUR Filters	**92**
Replacement Cartridges - Brita	**2,157**
Replacement Cartridges - PUR	**382**
Replacement Cartridges - Zero	**247**

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Hosted site visit from ATSDR/NCEH staff.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - No Updates

WIC - No updates.

Healthcare/Providers - No updates

DEQ Information - Linda Dykema as Liaison

- DLARA plumbers will replace fixtures at Freeman Elementary School that were previously tested and found to have > 15 ppb of lead in the water. MDEQ will conduct a "deep flush" of the school plumbing since many lines have been unused for several months. MDEQ will then retest of the water from the new fixtures to confirm whether or not these efforts have been effective in reducing or eliminating exposure to lead in the water.

Community Partners Meeting Minutes
1/14/16

- Agenda
  - Goal is to capture in one room what people are doing currently, plan for the future, problem solve, and make sure all the agencies working right now are coordinated in being stewards of the donor dollar, of volunteer's time, and of our own efforts
- Introductions
  - Tony Lasher, ED, Flint ARC
  - Justin Bays, subject matter expert, community partnerships, long term recovery
  - Mike Mitchell, ED Red Cross Grand Rapids, standing in for Tony for a few days in Flint
  - Linda Dintenfass, assistant director for external relations on this DO, also emergency preparedness specialist for UM-Flint, UM-Flint has been involved in a myriad of ways for a fair amount of time
  - Mike Lane, director of env, health, and safety at UM-Flint
  - Jenna Holmes,
  - Janet Hunter, NCSC
  - Kara Ross, VP, Food Bank
  - Chris DeVriendt, GCEMHSD
  - Matt Purcell, ED, GCCARD
  - Bill Goodwell, Salvation Army
  - Jenny McArdle, United Way
  - Sean Kammer, City of Flint
  - Tony Sitko, Flint Community Schools
  - Tamara Brickey, GCHD
  - Vicky Shultz, Catholic Charities
  - Sheryl Thompson, deputy director for Michigan health services Lansing, NDHHS-L
  - Eileen Tomasi, RN, Flint Community Schools
  - Rachel Wenelick, UWGC
  - Jamie Lee Venable, UWGC
  - Joe King, NEH
  - Victoria Fryer, Red Cross VRC Contact (victoria.fryer@redcross.org)
  - Linda Cieciek, Red Cross VRC Contact (linda.cieciek@redcross.org)

- EOC Information (Chris DeVriendt)
  - Unique situation, never happened before in US to this scope and breadth
  - Started as crisis, turned into declared emergency at state level
  - Public Act 368, ran through local health dept, as public health emergency
  - Declared emergency from city, Public Act 390
  - Elevated to county level, then elevated to state level
  - Every governmental agency involved is an employee of the governor
  - Getting direction from both Lansing and local level
  - Engaging with all partners
  - SEOC = state equivalent, nerve center, planning chief
  - EOC directing daily operations to get tasks done
  - This is not going to be a short emergency
  - Recent developments—legionnaire's disease

- Perception is reality: people don't trust filter, require more bottled water
- Groups work independently, but also need to coordinate to make sure everyone has water
- Door knocking has been a huge success
- Goal: knock on every single door in Flint in a week; as volunteers come in, this goal becomes more attainable
- Need experienced volunteers, for safety reasons—doubling numbers may be problematic
- Trucks go out on regular runs to distribution centers
- Quell public fears—we have water
- We are depleting national stockpile of filters
- Brita—if you buy a filter, they donate one to Flint
- Pipe fitters go into households for installation, can call 211 for help with installation
- If you have resources, email Chris
- Job descriptions will start being posted, increasing opportunities
- Eventually going to drive all filters to one brand/one model
- Looking to add two warehouses for one central repository, full of water and materials to distribute, including water tests
- New water emergency official logo for badges
- Concept of naming/labelling—"Flint Water Crisis"
  - Relief? Response? Recovery?
  - Official names of teams knocking on doors "Water Resource Team"
  - Public health community—distance from "recovery," "victims"

VRC (Volunteer Resource Center) Information

- State and EOC asked Red Cross to help set up VRC
- Assisted by United Way, Michigan Community Service Commission
- Physically set up for last 4 days
- Opened Wed 9 am to 7 pm
- Controlled soft opening
- Need to manage event based volunteers expectations, and partner agencies and stakeholders with jobs to fill
- If we make large announcement to public, we may get a huge influx of volunteers, without jobs to match volunteers with yet
- When event based volunteer comes, we may have a job for them right now, but at this point, it's more likely that we won't, but we will still capture information and follow up
- See process map and volunteer workforce request form (handouts)
- Direct forms to Chad
- People manage expectations of VRC and the VWRF are filled out correctly
- Protection of our volunteers is our number one priority, and second goal, make sure they are out in the field helping our efforts
- Important for coordination, to streamline process
- EOC and SEOC gives jobs to be filled by volunteers
- Requests go from Chad to VRC
- VRC will make sure we have a volunteer to match skills to task
- See overview, first revision (handout)
- Volunteer points of contact: Victoria Fryer and Linda Cieciek

- Age requirement to be determined
- Right now 211 fielding all calls, instructed to come to Red Cross building to become volunteer, one informational access point

Partner Activities

- Three key things to know:
  - Needs
  - Current
  - Future

Catholic Charities

- Currenlty distributing water through community closet
- Not a lot of water to hand out
- Designated drop off location
- Would like to be able to distribute water at all 3 soup kitchens, not just community closet
- Want to spread reach
- Looking for more water donations
- For the future, hope to have filters and cartridges
- Food banks can store up to 8 semis, Catholic Charities have some space

Water Distribution

- Current Sites
  - Catholic Charities
  - Individual churches—any ideas to combine effort
  - Christ enrichment center
  - Salvation Army
  - Foss Avenue
  - Beecher
  - Christian love faith center
  - St. Luke's Catholic Church
  - Fire Stations 1, 5, 6, 8, 2
  - UAW
  - Chrysler
  - Next week: Berston fieldhouse, Brennan Center, Hasselbring
  - Flint schools (donations distributed to schools, daycares), not distributing to community at large right now
  - Enterprise car rental—sporadic drives and giveaways, started national campaign
  - Art Van, metro Detroit, Lansing, Flint, collecting water, coming to Catholic charities on a weekly basis
  - Flint City Hall distributing filters
- Water Sources
  - Largest source is FEMA
  - Donations (public, charitable)

Filters

- Distribution Sites
  - City of Flint
  - GCCARD
  - Fire stations
  - City Hall
  - DHSS Offices
  - Churches
  - Canvas
  - Housing Comm
  - Concerned Pastors Group
  - Open to **clients only, not public**: health dept and associated programs (WIC clinic, primary care clinic, AIDS Wellness, Planned Parenthood, DaVita Dialysis, FMC Dialysis, Grand Blanc Community Schools)
  - Brita started in-kind donation (looking at a month, same process for other filters into warehouse)
  - State authorizes purchases from Home Depot, etc
  - Brands:
    - Pur (Faucet)
    - Brita (Faucet)
    - Zero Water Pitcher
  - Filters have LED indicator for replacement, pitchers have indicator stick
  - Problems: hot water degrades filters
  - Filters need replacement based on amount of water running through, not based on time
  - Trying to push everything to Brita (short-medium term)
  - In the short medium term, work on messaging
  - Multi-year problem (Chris projection: 19 years)
  - Filters, education, support needed for lifetime
    - Identifying sources for this long-term support
  - GCCARD can handle volume of filters currently
  - Supply of water will require space
  - Years needed to restore trust, to replace infrastructure/piping
  - Minimal control on filters, little to no controls on the distribution of water
  - State goal: every church a distribution site
  - Mott set up refillable, filtered water stations
  - DEQ looking into filter replacements in schools/colleges
  - Operational security measure
    - Broken up pallets of water—make sure to inspect water
  - Smaller donations harder to manage
  - Food banks can store up to 8 semis, Catholic Charities have some space

Water Testing Kits

- Distribution Sites
    - City Hall
    - Fire Stations
    - City water plant
- Drop Off Sites for Testing Kits
    - City Hall

Public Information

- How to set up systems for community members to be updated?
- Education, getting answers out
- Are we all using the same/consistent information
- Sources of info
    - Joint Information Center (also to update 211, but include Jamie-Lee Venable to keep in loop)
    - Genesee County Health Department, website has many resources, fact sheets, press releases, etc.
    - Volunteers
    - Identify point of contact for organizations
    - Nutrition, water usage
        - Health department: common questions on handwashing, bathing, filters
        - Communications person for health department: Shana (?)
- Biggest source of public information is the volunteers themselves, vetted by JIC

Vulnerable Populations

- International students, non-English speaking
- Undocumented (Catholic Charities, Hispanic Tech Center, Our Lady of Guadalupe Church)
- Homebound, non-mobile
- Chinese community, limited communication (work with UM-Flint international students?)
- Translations of public health information
    - Translation services (contracted out upon request)
    - Some print materials in English, Spanish, Arabic
    - Request to state to get more fact sheets in different languages (get Mandarin added to list?)
- Locations with higher volumes of people—basic faucet filters run out very quickly
    - UM-Flint has a supply partner with good rate for larger filters (Michael Lang)
    - NSF 42 53, certified for lead filtering
    - Food bank has list of larger capacity filters
    - Locations with high water use in the city—get list?
    - Smaller businesses, access to bigger filters
- Mentally ill—no plan, hard to capture data

    - Able to leave homes? Comfortable in public?
    - Help of Genesee Health System to better identify this group
    - Rehab center need for filters
    - Clients feel stigma in community, so afraid to go to distribution sites, not willing to open doors to police and service men
- All vulnerable groups need continuous attention follow up in the months to come
- VOAD (disaster volunteers) in communication with Red Cross
    - One main function is to go to the homebound
    - Need to find gaps in delivery, then info communicated to larger volunteer organizations
- Restaurants
    - Health department working with state to create guidelines for restaurants
    - Not every area of Flint is unsafe
    - In general, restaurants safer than household residents, but still problematic
    - Hot water is more problematic
    - Fast food restaurants especially need attention
    - Reach out to Michigan dept of agriculture?
    - Priority to get households safe, then to work on restaurants
    - Help bring confidence back to the community with restaurants reporting they have tested their water
    - Party stores, gas stations, fountain drinks—more concerning, harder to regulate

Volunteer Needs

- Shifting from state troopers to volunteers
- Troopers, sheriffs, state employees going door to door through Friday
    - Community members added to these teams
    - Record info from door to door on ipads
    - Keep evaluating, create teams to do this through VRC
- UM-Flint wants specific info about volunteer opportunities (placements, shifts) to send out to students and campus clubs
    - Start at VRC
    - See Victoria Fryer (VRC Contact) for large groups
- Food will be provided
- Current activities being staffed at VRC:
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- Another job opportunity is data entry
    - Recorded addresses collected at distribution centers into computer
- 20 volunteers needed to warehouse starting Friday
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    - Come register, even if no immediate placement—need later down the road
- United Way will contact approx. 200 corporate volunteerism sources

Requirements for Licensed Food Establishments Using City of Flint Water

January 13, 2016

Attention: This applies to licensed restaurants, grocery stores, convenience stores, food processors and food warehouses.

- The best way to determine if water contains lead is to have it tested. Safe results can be posted to inform consumers.
- To schedule a free collection and analysis of your food establishment's water for lead, call 1-800-292-3939 and state you're a "Flint food establishment requesting a water test." Be prepared to provide a time when your water system can be sampled where water won't have been used for at least 6 hours. Sampling appointments as early as 5 a.m. are available.
- Restaurants with general questions should contact Genesee County Health Department at: 810-257-3612.
- Grocery or Food Processing establishments with general questions should contact MDARD at: 1-800-292-3939.

Unless the water has been tested and found to not have a lead concern, do the following:

- Flush water lines for 5 minutes each day before using or serving water and after 6 hours of no water use. Then flush other equipment such as pop machines for at least 1-2 minutes.
- Install an NSF Standard 53 certified filter on the faucet where drinking/cooking water is obtained from. Approved filter information for faucet or in-line filters can be found at: http://nsf.com/newsroom/statement-regarding-flint-water-system-lead-issue-and-to-certification-nsf. Filters must be changed based upon the manufacturer's recommendations.
- Use cold water and store it for immediate consumption.
- Always use cold water for drinking, cooking and cleaning/rinsing food.
- Hot water must be used for dishwashing.

Other equipment that may use city water:

- Ice machines – Install a water filter on the supply line or use bagged ice in drinking water.
- Pop machines – Flush for 1 minute daily or use bottled beverages.
- Coffee machines or Tea Urns – Flush for 1-2 minutes daily or use filtered water. These products may be very low risk as young children under 6 are not likely to consume these.
- Slush machines – Use filtered water.
- Spray misters – Flush for 1-2 minutes daily or use filtered water.

A licensed plumber can check your plumbing and service lines for lead soldering or lead service lines.

MDHHS Michigan Department of Health & Human Services

DEQ

Michigan Department of Agriculture & Rural Development

Operational Concept

Single Family Residence

- Canvassing by National Guard teams
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- Each team will have one person tasked with data collection using the iPad and application developed by GIS
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? etc.)

Multi-unit residence

- Canvassing by volunteer agencies
- Locations provided by City of Flint (Building & Safety Department)
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- Each team will have one person tasked with data collection using the iPad and application developed by GIS
- Specialized training provided to team members (different approach than single family residence canvassing)
- Contact made with each property owner or their designated agent (property manager) to identify the number of units occupied
- Each occupied unit at the address will be canvassed
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? etc.)

All other targeted locations (Schools, churches, day care centers, restaurants, hospitals etc.)

- Canvassing by volunteer agencies
- Locations provided by City of Flint (Building & Safety Department)
- Maps to be provided by GIS to each team (daily) to identify the area they are to canvass to avoid gaps and/or overlaps
- Each team will have one person tasked with data collection using the iPad and application developed by GIS
- Specialized training provided to team members (different approach than single family residence canvassing)
- A "script" will be provided for consistency of canvassing (e.g. Do you have a filter kit? What type of filter do you have? Has the filter been installed? Do you have replacement cartridges for your filter kit? How many cartridges do you have? How many people reside at this address? etc.)

Other considerations

- Who will be the lead for this canvassing effort?
- What is the target date for completion for each of the target groups (single family residence, multi-unit residence, and all other targeted locations)?
- What additional data fields will be added to the iPad application and who is responsible for developing the data and coordinating with GIS for inclusion in the application?
- What (if anything) is needed to address functional needs populations within each of the identified target groups/
- How do we effectively and accurately merge the data form the PODs with the data from the canvassing teams?

Name	Organization	Email	Telephone
Rachel Wenzick	UWGC	rwenzlick@unitedwaygenesee.org	
Jamie Lee Venable	UWGC	jvenable@unitedwaygenesee.org	
Joe King	NEH	Jlking155@gmail.com	
Ginna Holmes	MCSC	holmesv@mich.gov	
Kara Ross	Food Bank	kross@feedingamerica.org	
Chris DeVriendt	GCEMHSD	cdevriendt@co.genesee.mi.us	
Vicky Schultz	Catholic Charities	vschultz@ccsgc.org	
Chrissy Cooper	Catholic Charities	ccooper@ccsgc.org	
Sean Kammer	City of Flint	skammer@cityofflint.com	
Tony Lasher	Red Cross	tony.lasher@redcross.org	
Justin Bays	Red Cross	Justin.bays2@redcross.org	
Tamara Brickey	GCHD	tbrickey@gchd.us	
Eileen Tomasi, RN	Flint Community Schools	etomasi@flintschools.org	
Tony Sitko	Flint Community Schools	tsitko@flintschools.org	
Jenny McArdle	United Way/City Chief Service Officer	jmcardle@unitedwaygenesee.org	
Bill Goodwill	Salvation Army	William-goodwill@usc.salvationarmy.org	
Matt Purcell	GCCARD	mpurcell@co.genesee.mi.us	
Sheryl Thompson	NDHHS-L	Thompsons2@mi.gov	
Janet Hunter	NCSC	hunterj8@michigan.gov	
Mike Mitchell	Red Cross	mike.mitchell@redcross.org	
Michael Lane	UM-Flint	milane@umich.edu	
Victoria Fryer	Red Cross	victoria.fryer@redcross.org	
Linda Cieciek	Red Cross	linda.cieciek@redcross.org	

NSF International was founded in 1944 from the University of Michigan's School of Public Health as the National Sanitation Foundation (NSF) to standardize sanitation and food safety requirements.

The NSF Water Division certifies products that come into contact with drinking water, such as plumbing components, water treatment chemicals and drinking water filters, as well as pool and spa equipment. NSF led the development of American National Standards for all materials and products that treat or come in contact with drinking water to help protect public health and the environment and minimize adverse health effects. In 1990, the U.S. EPA replaced its own drinking water product advisory program with these NSF standards. NSF is accredited by the American National Standards Institute (ANSI) to develop American National Standards.

ANSI accredits standards that are developed by representatives of other standards organizations, government agencies, consumer groups, companies, and others. These standards ensure that the characteristics and performance of products are consistent, that people use the same definitions and terms, and that products are tested the same way. ANSI also accredits organizations that carry out product or personnel certification in accordance with requirements defined in international standards.

To help address concerns about the safety and performance of products sold worldwide and marketed for treating household water supplies, NSF International developed several American National Standards covering a wide array of water treatment systems, including drinking water filters.

To earn NSF certification, water treatment systems must undergo extensive testing to confirm that they meet the strict requirements of American National Standards. In addition to verifying that the system is structurally sound, NSF verifies that:

- The contaminant reduction claims shown on the label are true.
- The system does not add anything harmful to the water.
- The product labeling, advertising and literature are not misleading.

NSF certification for performance means they have tested a water treatment product using specific procedures and have confirmed that it can effectively reduce the contaminants claimed on the product label. They also require all products to be re-tested periodically and re-certified each year, which ensures that products continue to meet all stated requirements over time.

NSF International has confirmed that the three water filters being distributed by officials in Flint, Michigan are currently certified by NSF International for lead reduction.

Specifically, Brita Faucet Filtration System, model number SAFF-100 (in white, black or chrome), the PUR Faucet Mount, model number FM-3700B, and the ZeroWater® 23-Cup Dispenser, model number ZD-018, are certified for lead reduction in accordance with NSF/ANSI 53 – Drinking Water Treatment Unit Standard for Health Effects.

Individuals wishing to verify that a specific filter is NSF certified can do so via the NSF website. Here are the links to verify each certification: Brita Faucet Filter System SAFF-100, PUR Faucet Water Filter System and the ZeroWater® 23-Cup Dispenser.

The State of Michigan procured the above listed filters due to the NSF/ANSI 53 certifications and the availability and sustainment of future orders by vendors on state contract.

Potential questions from partners at Community Partnership Meeting:

- What does the FEMA Emergency Dec mean? What assistance will FEMA be providing? What is FEMA's role and how will this impact current operations?
- Will any trainings be available to partners through FEMA?
- Will the state be appealing the denial of a FEMA Major Disaster Declaration?
- What is the current plan for acquisition and distribution of commodities?
- How long will distribution of supplies last? How long will door-to-door canvassing operations last?
- What is the long term plan for acquisition and distribution of commodities?
- How long will direct state support be available? (door-to-door canvassing teams, national guard support, POD staffing, etc)
    - What will state support look like after response is complete?
- How will communication flow between govt and non-gov't orgs after response phase, especially as it relates to coordinated, government-led public messaging?
- What is the expectation of voluntary agencies for short and long term operations? What will the next phase look like?
- What is the future of the warehouse re: management & staffing, funding, equipment, trash removal, safety & security, etc?
- What is the long term plan/solution for water in Flint? What is the end goal? How will we get there?
- What health resources will be available for the long term? Will there be any federal health resources available?
- Will any of the voluntary agency activity or volunteer labor be eligible under FEMA donated resources policy for the state match?
- Is there a filter for shower heads? If so, will they be supplied to affected residents?
- Any range of health questions - EPA, CDC, Legionnaire's Disease, ongoing testing for children
- Are there any financial resources for water bill relief? (People at risk for having water shut off due to raised bills and residents not paying.)

SEOC Staffing - Flint Water Issue

Jan-16	[redacted]	[redacted]	[redacted]	Tues, 1/19	Wed, 1/20	Thurs, 1/21
State Director	[redacted]	[redacted]	[redacted]	Captain	Captain	Captain
Deputy State Director	[redacted]	[redacted]	[redacted]	Katarsky	Katarsky	Katarsky
PIO	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Admin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
SEOC JIC Liaison	[redacted]	[redacted]	[redacted]	Jane/Renee	Jane/Renee	Jane
JIC Manager	[redacted]	[redacted]	[redacted]	Nicole	Nicole	Nicole
Graphics/Web support	[redacted]	[redacted]	[redacted]	Trevor		Trevor
Operations	[redacted]	[redacted]	[redacted]	Gabe	Gabe/Penny	Gabe
Recovery	[redacted]	[redacted]	[redacted]	Brianna/ Carly	Brianna/ Kristi/ Carly	Brianna/ Kristi/ Carly
Logistics	[redacted]	[redacted]	[redacted]	Wendy/Penny	Wendy/Tonya	Penny/Tonya
Comms	[redacted]	[redacted]	[redacted]	Law	Jaclyn	Law
Ordering Unit Lead	[redacted]	[redacted]	[redacted]	Garza	Garza	Strobel
Food	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Supply	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Facilities	[redacted]	[redacted]	[redacted]	Law	Jaclyn	Law
Ground Support	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Planning	[redacted]	[redacted]	[redacted]	Amanda	Amanda	Amanda
Resources	[redacted]	[redacted]	[redacted]	Sam	Sam	Sam/Kari
Documentation	[redacted]	[redacted]	[redacted]	Zach	Zach	Zach
Situation	[redacted]	[redacted]	[redacted]	Zach	Zach	Zach
Mapping	[redacted]	[redacted]	[redacted]	Jim	Jim	Jim
Finance	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Cost	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
EMAC	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Local EOC support Staff	[redacted]	[redacted]	[redacted]	Tues, 1/19	Wed, 1/20	Thurs, 1/21
Planning Section Chief	[redacted]	[redacted]	[redacted]	Henrik	Henrik	Henrik
Logistics Section Chief	[redacted]	[redacted]	[redacted]	Jay	Jay	Jay
Operations Section Chief	[redacted]	[redacted]	[redacted]	Michelle	Michelle	Michelle
District Coordinator	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Fri, 1/22	Jan-16				Tues, 1/26	Wed, 1/27
Captain	**State Director**				Captain	Captain
Katarsky	Deputy State Director				Katarsky	Katarsky
	PIO					
	Admin					
Jane/Renee	SEOC JIC Liaison	Jane/Renee	Jane/Renee	Jane/Renee	Jane/Renee	Jane/Renee
Nicole	JIC Manager					
Trevor	Graphics/Web support					
Gabe	**Operations**					
Brianna/Kristi/ Carly	Recovery	Brianna/ Kristi/ Carly	Brianna/ Kristi/ Carly	Brianna/ Kristi/ Carly	Brianna/ Kristi/ Carly	Brianna/ Kristi/ Carly
Penny/Tonya	**Logistics**				Wendy/Tonya	Wendy/Tonya
Law	Comms				Law	Jaclyn
Strobel	Ordering Unit Lead				Strobel	Garza
	Food					
	Supply					
Jaclyn	Facilities				Law	Jaclyn
	Ground Support					
					P	
Amanda	**Planning**			Amanda	Amanda/Matt/To	Amanda
Kari	Resources				Sam	Sam
Zach	Documentation				Zach	Zach
Zach	Situation				Zach	Zach
Jim	Mapping				Jim	Jim
	Finance					
	Cost					
	EMAC					
Fri, 1/22	**Local EOC support Staff**				Tues, 1/26	Wed, 1/27
Henrik	Planning Section Chief				Henrik	Henrik
Jay	Logistics Section Chief				Jay	Jay
Michelle	Operations Section Chief				Michelle	Michelle
	District Coordinator				Roach	Roach

Thurs, 1/28	Fri, 1/29	Sat, 1/30	Sun, 1/31
Captain	Captain	Katarsky	Captain
Katarsky			
Jane/Renee	Jane/Renee	Jane/Renee	Jane/Renee
Gabe/Penny	Gabe/Penny	Gabe/Penny	Gabe/Penny
Brianna/ Kristi/ Carly	Brianna/ Kristi/ Carly	Brianna/ Kristi/ Carly	Brianna/ Kristi/ Carly
Wendy/Tonya	Wendy/Tonya	Wendy/Tonya	Wendy/Tonya
Law	Jaclyn	Law	Jaclyn
Garza	Storbel	Garza	Garza
		Michelle/Joyce	Michelle/Joyce
Law	Jaclyn	Law	Jaclyn
P			
Tom	Tom	Tom	Matt
Zach	Sam	Sam	Sam
Amanda	Zach	Zach	Zach
Amanda	Zach	Zach	Zach
Jim	Jim		
Thurs, 1/28	Fri, 1/29	Sat, 1/30	Sun, 1/31
Henrik	Henrik	Henrik	Henrik
Jay	Jay	Jay	Jay
Michelle	Michelle	Michelle	Michelle
Roach	Roach	Roach	Roach

Community Partners Meeting Minutes
1/14/16

- Agenda
  - Goal is to capture in one room what people are doing currently, plan for the future, problem solve, and make sure all the agencies working right now are coordinated in being stewards of the donor dollar, of volunteer's time, and of our own efforts
- Introductions
  - Tony Lasher, ED, Flint ARC
  - Justin Bays, subject matter expert, community partnerships, long term recovery
  - Mike Mitchell, ED Red Cross Grand Rapids, standing in for Tony for a few days in Flint
  - Linda Dintenfass, assistant director for external relations on this DO, also emergency preparedness specialist for UM-Flint, UM-Flint has been involved in a myriad of ways for a fair amount of time
  - Mike Lane, director of env, health, and safety at UM-Flint
  - Jenna Holmes,
  - Janet Hunter, NCSC
  - Kara Ross, VP, Food Bank
  - Chris DeVriendt, GCEMHSD
  - Matt Purcell, ED, GCCARD
  - Bill Goodwell, Salvation Army
  - Jenny McArdle, United Way
  - Sean Kammer, City of Flint
  - Tony Sitko, Flint Community Schools
  - Tamara Brickey, GCHD
  - Vicky Shultz, Catholic Charities
  - Sheryl Thompson, deputy director for Michigan health services Lansing, NDHHS-L
  - Eileen Tomasi, RN, Flint Community Schools
  - Rachel Wenelick, UWGC
  - Jamie Lee Venable, UWGC
  - Joe King, NEH
  - Victoria Fryer, Red Cross VRC Contact (victoria.fryer@redcross.org)
  - Linda Cieciek, Red Cross VRC Contact (linda.cieciek@redcross.org)

- EOC Information (Chris DeVriendt)
  - Unique situation, never happened before in US to this scope and breadth
  - Started as crisis, turned into declared emergency at state level
  - Public Act 368, ran through local health dept, as public health emergency
  - Declared emergency from city, Public Act 390
  - Elevated to county level, then elevated to state level
  - Every governmental agency involved is an employee of the governor
  - Getting direction from both Lansing and local level
  - Engaging with all partners
  - SEOC = state equivalent, nerve center, planning chief
  - EOC directing daily operations to get tasks done
  - This is not going to be a short emergency
  - Recent developments—legionnaire's disease

- Perception is reality: people don't trust filter, require more bottled water
- Groups work independently, but also need to coordinate to make sure everyone has water
- Door knocking has been a huge success
- Goal: knock on every single door in Flint in a week; as volunteers come in, this goal becomes more attainable
- Need experienced volunteers, for safety reasons—doubling numbers may be problematic
- Trucks go out on regular runs to distribution centers
- Quell public fears—we have water
- We are depleting national stockpile of filters
- Brita—if you buy a filter, they donate one to Flint
- Pipe fitters go into households for installation, can call 211 for help with installation
- If you have resources, email Chris
- Job descriptions will start being posted, increasing opportunities
- Eventually going to drive all filters to one brand/one model
- Looking to add two warehouses for one central repository, full of water and materials to distribute, including water tests
- New water emergency official logo for badges
- Concept of naming/labelling—"Flint Water Crisis"
    - Relief? Response? Recovery?
    - Official names of teams knocking on doors "Water Resource Team"
    - Public health community—distance from "recovery," "victims"

VRC (Volunteer Resource Center) Information

- State and EOC asked Red Cross to help set up VRC
- Assisted by United Way, Michigan Community Service Commission
- Physically set up for last 4 days
- Opened Wed 9 am to 7 pm
- Controlled soft opening
- Need to manage event based volunteers expectations, and partner agencies and stakeholders with jobs to fill
- If we make large announcement to public, we may get a huge influx of volunteers, without jobs to match volunteers with yet
- When event based volunteer comes, we may have a job for them right now, but at this point, it's more likely that we won't, but we will still capture information and follow up
- See process map and volunteer workforce request form (handouts)
- Direct forms to Chad
- People manage expectations of VRC and the VWRF are filled out correctly
- Protection of our volunteers is our number one priority, and second goal, make sure they are out in the field helping our efforts
- Important for coordination, to streamline process
- EOC and SEOC gives jobs to be filled by volunteers
- Requests go from Chad to VRC
- VRC will make sure we have a volunteer to match skills to task
- See overview, first revision (handout)
- Volunteer points of contact: Victoria Fryer and Linda Cieciek

- Age requirement to be determined
- Right now 211 fielding all calls, instructed to come to Red Cross building to become volunteer, one informational access point

Partner Activities

- Three key things to know:
  - Needs
  - Current
  - Future

Catholic Charities

- Currenlty distributing water through community closet
- Not a lot of water to hand out
- Designated drop off location
- Would like to be able to distribute water at all 3 soup kitchens, not just community closet
- Want to spread reach
- Looking for more water donations
- For the future, hope to have filters and cartridges
- Food banks can store up to 8 semis, Catholic Charities have some space

Water Distribution

- Current Sites
  - Catholic Charities
  - Individual churches—any ideas to combine effort
  - Christ enrichment center
  - Salvation Army
  - Foss Avenue
  - Beecher
  - Christian love faith center
  - St. Luke's Catholic Church
  - Fire Stations 1, 5, 6, 8, 2
  - UAW
  - Chrysler
  - Next week: Berston fieldhouse, Brennan Center, Hasselbring
  - Flint schools (donations distributed to schools, daycares), not distributing to community at large right now
  - Enterprise car rental—sporadic drives and giveaways, started national campaign
  - Art Van, metro Detroit, Lansing, Flint, collecting water, coming to Catholic charities on a weekly basis
  - Flint City Hall distributing filters
- Water Sources
  - Largest source is FEMA
  - Donations (public, charitable)

Filters

- Distribution Sites
  - City of Flint
  - GCCARD
  - Fire stations
  - City Hall
  - DHSS Offices
  - Churches
  - Canvas
  - Housing Comm
  - Concerned Pastors Group
  - Open to **clients only, not public**: health dept and associated programs (WIC clinic, primary care clinic, AIDS Wellness, Planned Parenthood, DaVita Dialysis, FMC Dialysis, Grand Blanc Community Schools)
  - Brita started in-kind donation (looking at a month, same process for other filters into warehouse)
  - State authorizes purchases from Home Depot, etc
  - Brands:
    - Pur (Faucet)
    - Brita (Faucet)
    - Zero Water Pitcher
  - Filters have LED indicator for replacement, pitchers have indicator stick
  - Problems: hot water degrades filters
  - Filters need replacement based on amount of water running through, not based on time
  - Trying to push everything to Brita (short-medium term)
  - In the short medium term, work on messaging
  - Multi-year problem (Chris projection: 19 years)
  - Filters, education, support needed for lifetime
    - Identifying sources for this long-term support
  - GCCARD can handle volume of filters currently
  - Supply of water will require space
  - Years needed to restore trust, to replace infrastructure/piping
  - Minimal control on filters, little to no controls on the distribution of water
  - State goal: every church a distribution site
  - Mott set up refillable, filtered water stations
  - DEQ looking into filter replacements in schools/colleges
  - Operational security measure
    - Broken up pallets of water—make sure to inspect water
  - Smaller donations harder to manage
  - Food banks can store up to 8 semis, Catholic Charities have some space

Water Testing Kits

- Distribution Sites
    - City Hall
    - Fire Stations
    - City water plant
- Drop Off Sites for Testing Kits
    - City Hall

Public Information

- How to set up systems for community members to be updated?
- Education, getting answers out
- Are we all using the same/consistent information
- Sources of info
    - Joint Information Center (also to update 211, but include Jamie-Lee Venable to keep in loop)
    - Genesee County Health Department, website has many resources, fact sheets, press releases, etc.
    - Volunteers
    - Identify point of contact for organizations
    - Nutrition, water usage
        - Health department: common questions on handwashing, bathing, filters
        - Communications person for health department: Shana (?)
- Biggest source of public information is the volunteers themselves, vetted by JIC

Vulnerable Populations

- International students, non-English speaking
- Undocumented (Catholic Charities, Hispanic Tech Center, Our Lady of Guadalupe Church)
- Homebound, non-mobile
- Chinese community, limited communication (work with UM-Flint international students?)
- Translations of public health information
    - Translation services (contracted out upon request)
    - Some print materials in English, Spanish, Arabic
    - Request to state to get more fact sheets in different languages (get Mandarin added to list?)
- Locations with higher volumes of people—basic faucet filters run out very quickly
    - UM-Flint has a supply partner with good rate for larger filters (Michael Lang)
    - NSF 42 53, certified for lead filtering
    - Food bank has list of larger capacity filters
    - Locations with high water use in the city—get list?
    - Smaller businesses, access to bigger filters
- Mentally ill—no plan, hard to capture data

- Able to leave homes? Comfortable in public?
- Help of Genesee Health System to better identify this group
- Rehab center need for filters
- Clients feel stigma in community, so afraid to go to distribution sites, not willing to open doors to police and service men

- All vulnerable groups need continuous attention follow up in the months to come
- VOAD (disaster volunteers) in communication with Red Cross
  - One main function is to go to the homebound
  - Need to find gaps in delivery, then info communicated to larger volunteer organizations
- Restaurants
  - Health department working with state to create guidelines for restaurants
  - Not every area of Flint is unsafe
  - In general, restaurants safer than household residents, but still problematic
  - Hot water is more problematic
  - Fast food restaurants especially need attention
  - Reach out to Michigan dept of agriculture?
  - Priority to get households safe, then to work on restaurants
  - Help bring confidence back to the community with restaurants reporting they have tested their water
  - Party stores, gas stations, fountain drinks—more concerning, harder to regulate

Volunteer Needs

- Shifting from state troopers to volunteers
- Troopers, sheriffs, state employees going door to door through Friday
  - Community members added to these teams
  - Record info from door to door on ipads
  - Keep evaluating, create teams to do this through VRC
- UM-Flint wants specific info about volunteer opportunities (placements, shifts) to send out to students and campus clubs
  - Start at VRC
  - See Victoria Fryer (VRC Contact) for large groups
- Food will be provided
- Current activities being staffed at VRC:
  - Fire stations
  - Need 10 additional individuals per shift
  - Shifts: 9 am to 4 pm, 4 pm to 9:30 pm
  - 15 additional people needed for Friday
  - 40 additional people needed Saturday for canvasing
  - 40 additional people needed for Sunday
  - VRC hours of operation: 9 am to 7 pm
    - Intake process approximately 30 minutes

- Another job opportunity is data entry
    - Recorded addresses collected at distribution centers into computer
- 20 volunteers needed to warehouse starting Friday
- Family members, faith based organization, clubs—spread the word, ease into public announcement at the larger level
    - Come register, even if no immediate placement—need later down the road
- United Way will contact approx. 200 corporate volunteerism sources

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January 19, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

I am submitting this letter of appeal in response to FEMA Administrator W. Craig Fugate's letter to me dated January 16, 2016. In that letter, he indicated that the State of Michigan had been denied a Major Disaster Declaration under the Robert T. Stafford Disaster Relief and Emergency Assistance Act for contamination and damage to the public water system in the City of Flint. I respectfully submit this letter of appeal, in accordance with the provisions set forth in 44 CFR § 206.46, to request a reconsideration of that decision.

Respectfully, I appeal the determination that the event "does not meet the legal definition of a "major disaster" under 42 U.S.C. § 5122~~, as implemented at 44 C.F.R. § § 206.2(17), the incident was not caused by a natural catastrophe, nor was it caused by fire, flood, or explosion~~." This unique disaster poses imminent and long-term threat to the citizens of Flint. Its severity warrants special consideration for all categories of the Individual and Public Assistance Programs, as well as the Hazard Mitigation program in order to facilitate recovery.

While the definition under 44 C.F.R. § § 206.2(17) provides examples of what might constitute a natural disaster, I submit that this disaster ~~expands and fits within the categories of both storm and~~is analogous ot the flood category, given that qualities within the water, over a long term, flooded and damaged the city's infrastructure in ways that were not immediately or easily detectable. Likewise, this disaster is a natural catastrophe in the sense that the contamination arose from the natural decay of Flint's aging infrastructure. These impacts will contribute to years and potentially decades of health problems and economic loss as well as necessary repairs to infrastructure that neither the city, county, or state have the capacity to conduct. ~~I feel a more~~A narrow reading of this definition, restricting the hazards to which we can provide relief, does not adequately reflect the intentions of our "all-hazards" approach to emergency management at the federal and state levels~~, if our primary mechanism for relief is read in a way that limits the hazards to which we can provide relief~~.

Given the gravity of the situation and ramifications for urban areas across the United States with pre-1987 constructed water distribution systems, I hope you will determine that providing assistance beyond "appropriate assistance for required emergency measures...to save lives and to protect property and public health and safety" is warranted. As documented in my letter to you on January 14, 2016, the city of Flint has been devastated by job losses and associated economic decline.

~~While I greatly appreciate the emergency declaration and the assistance it provides for the city of Flint, I am disappointed that no other assistance is being offered or suggested, whether through Stafford Act measures or through programs of other federal agencies.~~

Comment [M1]: We are getting other assistance with non-Stafford Act resources. We have a POC that was appointed and he coordinating with other federal agencies. CDC is also en route so I think this should be deleted.

As additional support of this appeal, I offer the following information:

State and Local Government Capabilities

The City of Flint, County of Genesee, and State agencies have worked to provide short-term solutions to many problems related to this disaster. However, permanent solutions for much of the public water system damages can only come about with significant federal assistance made available under a Presidential Major Disaster Declaration. While we are grateful for the limited federal assistance provided thus far by FEMA, those efforts are stop-gap measures which do not meet the long-term recovery needs of this disaster for the City of Flint.

Emergency Protective Measures

As indicated in my declaration request, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. The City of Flint also committed $2 million, and the Charles Mott Foundation committed $4 million. The State is in the process of approving a second appropriation ...

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NOTE: What do we know about the new appropriation/what can we include?

The considerable needs brought about by this disaster greatly exceed the collective funding resources of local, state and federal government. Unless a Presidential Major Disaster Declaration is granted and the Public Assistance Grant Program (PAGP) is activated there will be significant unmet needs as identified in the following areas of impacts. The only other possible option would be a special Congressional appropriation~~, which is unlikely~~.

Long Term Public Health Threats

Although strides have been made in addressing public health threats brought about by this disaster, there are considerable lingering issues. The ability of a community to recover with such a large percentage of its citizens living in poverty requires the ability of those citizens to acquire proper health care, case management, legal services, and assistance in repairing the plumbing infrastructure in their homes that may have be damaged. Permanent solutions for these individuals and households will not come about in a timely manner without significant federal resources to restore, repair and stabilize their lives.

Damage to Infrastructure

The affected local communities and the State do not have the funding capacity to undertake the repair of an entire public water system. FEMA's PAGP provides the best source of funding for rebuilding these critical public facilities, and that program can only be activated through the declaration of a Major Disaster by the President. Any other Federal programs of assistance would be welcome.

Mitigation

With federal disaster relief, Michigan could provide funding under the Hazard Mitigation Grant Program or PAGP to the affected utility to implement cutting edge measures to mitigate the vulnerabilities of the water system against all types of physical threats. Without such assistance, such measures will not be possible.

Economic Injury

As state Rep. Woodrow Stanley, D-Flint, said yesterday, "Flint is a city without a safety net. We had failing schools before we had a water crisis. We had high unemployment."

The economic injury to the affected communities from this disaster is significant. As I indicated in my declaration request letter, impacts including further decreases in property values, lost business activity, loss of employment and further loss in population will severely impact Flint and Genesee County.

As part of the disaster declaration request, I included assistance from the Small Business Administration (SBA) to provide financial relief to the scores of businesses impacted by this disaster. If such assistance were approved, the low-interest loans would provide much needed working capital to many businesses to allow them to continue to operate until their business picks up.

This disaster also comes on the heels of another Major Disaster (4195-DR-MI) that occurred in August of 2014. The state and those nearby counties and local municipalities are still recovering from that event and now they have another major disaster to deal with, and few available resources to address the significant impacts to the health of the citizens and damages to public facilities.

Direct Federal Assistance

The federal government is highly engaged in event responses, such as the BP Deepwater Horizon disaster. The federal government established a National Response Team of 16 federal departments and agencies, ranging from the EPA to the SBA to the Department of Labor. Such engagement was critical to restoring public confidence to avoid further economic damage from perceived contamination. In the BP case, fisheries, tourism, and other uses were afforded the benefit of technical expertise to minimize damage. In the case of Flint, residents are afraid to use water for washing because of their fear of further contamination and damage. The residents of the city of Flint need federal expertise to rebuild confidence in the use of tap water.

Conclusion

I sincerely believe that a Presidential Major Disaster Declaration is warranted due to the extraordinary circumstances involved in this disaster – the widespread and damage to public facilities, the potential long term damages to public health, and the substantial additional economic injury upon an already affected community. Therefore, I ask that you reconsider your decision in this matter and that you grant the State of Michigan the disaster relief assistance that it needs by declaring this event a Major Disaster under the Stafford Act.

Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, continues to be my designated State Coordinating Officer for this request. He will work with FEMA on program implementation and provide further information or justification on my behalf, as requested.

Sincerely,

Richard D. Snyder
Governor

My thoughts on EPA...

During the BP Oil Spill, the US Environment al Protection Agency (EPA) engaged to perform numerous actions. The following is taken from the EPA website:

- To date, no chemicals have exceeded human health benchmarks. However, people should heed warnings from their local health officials regarding oil-impacted beaches and water. As an added safety precaution, if people see or smell oil in the water or beach area, they should avoid the oil-impacted area.

- EPA's water sampling process includes the collection of the sample, laboratory analyses and data verification (which ensures high quality data). These steps take about 7 to 10 days to complete before the data can be posted on EPA's website. As such, the data EPA posts is not representative of current conditions but rather is a snapshot in time for a given location. We continue to take water samples and will post data as soon as it becomes available.

- EPA contaminant data are compared to technical benchmarks to determine the potential effects of contaminants on human health and aquatic life. Sample results are also being compared to EPA water quality criteria guidelines and State water quality standards, when available.

- In areas where contaminant levels exceed benchmarks, it is important to remember that historical contamination may exist in some sampling locations and may not be related to the BP spill.

- EPA, in partnership with states, oversees the National Coastal Condition Assessment (NCCA). NCCA reports describe the ecological and environmental conditions in U.S. coastal waters. When possible, EPA is comparing data collected during the BP spill response to the NCCA data.

OSHA offered the following:

- To determine whether or not workers were exposed to dangerous levels of toxic chemicals, OSHA conducted its own independent air monitoring, both on shore and on the cleanup vessels, and reviewed data from BP, the Environmental Protection Agency (EPA) and the National Oceanic and Atmospheric Administration (NOAA). No air sampling by OSHA detected any hazardous chemical at levels of concern. See more information on OSHA's sampling strategy, detailed findings, and evaluations. Read our frequently asked questions on health hazards and protections, including information on respirators and other personal protective equipment.

As indicated by the above, the federal government was highly engaged in event response, which was critical to restoring public confidence to avoid further economic damage due to perceived contamination. In the BP case, fisheries, tourism, and other uses were afforded the benefit of technical expertise to minimize damage. In the case of Flint, residents are afraid to use water for washing because of their fear of further contamination and damage. The residents of the city of Flint need federal expertise to rebuild confidence in use of tap water.

In response to W. Craig Fugate's letter to me dated January 16, 2016, in which he indicated that the State of Michigan had been denied a Major Disaster Declaration under the Robert T. Stafford Disaster Relief and Emergency Assistance Act for contamination and damage to the public water system in the City of Flint, I hereby respectively submit this letter of appeal, in accordance with the provisions set forth in 44 CFR § 206.46, requesting a reconsideration of that decision. While this unique disaster did not result from natural catastrophe, fire, flood or explosion, it poses imminent and long-term threat to the citizens of Flint. Given the gravity of the situation and ramifications for urban areas across the United States with pre-1987 constructed water distribution systems, I am hoping you will choose to provide assistance beyond "appropriate assistance for required emergency measures...to save lives and to protect property and public health and safety." As documented in my letter to you on January 14, 2016, the city of Flint has been devastated by job losses and associated economic decline. While I am greatly appreciative of the emergency declaration and the assistance it provides for the city of Flint, I am disappointed no other assistance is being offered or suggested, whether through Stafford Act measures or through programs of other federal agencies. My appeal through Stafford Act measures follows, but I respectfully request assistance beyond providing "water, water filters, water filter cartridges, water test kits, and other necessary related items for a period of no more than 90 days."

January 19, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

In response to W. Craig Fugate's letter to me dated January 16, 2016, in which he indicated that the State of Michigan had been denied a Major Disaster Declaration under the Robert T. Stafford Disaster Relief and Emergency Assistance Act for contamination and damage to the public water system in the City of Flint, I hereby respectively submit this letter of appeal, in accordance with the provisions set forth in 44 CFR § 206.46, requesting a reconsideration of that decision. While this unique disaster did not result from natural catastrophe, fire, flood or explosion, it poses imminent and long-term threat to the citizens of Flint. I believe the severity of this disaster warrants all categories of the Individual and Public Assistance Programs in order to facilitate suitable recovery. In support of this appeal, I offer the following information:

State and Local Government Capabilities

While I agree with Mr. Brown's assessment that considerable local and state resources were brought to bear in response to this situation, I strongly disagree with the assertion that "effective response does not appear to exceed the combined capabilities of the State and local governments." In fact, nothing could be farther from the truth. State agencies and local governments were able to provide short-term solutions to many problems related to this flooding. However, permanent solutions to much of the public facility damage and environmental degradation can only come about if significant federal assistance is made available under a Presidential Major Disaster Declaration. While we are grateful for the limited federal assistance provided thus far by the U.S. Army Corps of Engineers (USACE) and Natural Resources Conservation Service (NRCS), those efforts are simply not sufficient to meet the long-term recovery needs of this situation.

Limited Federal Assistance Has Not Addressed All Needs

The NRCS has identified eight "urgent and compelling" stream bank stabilization sites, totaling $733,000 in project costs, that it intends to address with Emergency Watershed Program (EWP) funding. The NRCS share of these eight projects would total $550,000, and the local governments would be expected to contribute the remaining $183,000. However, this assistance is only intended to provide a temporary "band-aid" for the affected sites until permanent restorative work can be completed. Unfortunately, the NRCS does not have provisions for that type of assistance under its emergency relief authorities and funding mechanisms. As a result, the affected counties are left without a ready funding source for the permanent restorative work unless the Public Assistance Grant Program (PAGP) is activated under a federal declaration.

The amount of permanent restorative work that needs to be done in the Dead River Watershed greatly exceeds available local, state and federal financial resources, absent a Presidential Major Disaster Declaration. The Central Lake Superior Watershed Partnership estimates the total flood-related damages in the Dead River Watershed to be $28.3 million. Of that total, $4.5 million is for temporary stream bank stabilization measures, $19 million is for soil restoration (1.9+ million cubic yards), $800,000 is for

sediment removal measures to be implemented over a five-year period, and $4 million is for habitat restoration projects. (It should be noted that the $19 million soil restoration estimate does not include over 1 million cubic yards of soil lost in the Silver Lake dike and Tourist Park dam. If that is included, the total soil restoration cost approaches $30 million. Also, the $4.5 million in stream bank stabilization measures are for stabilizing the stream banks in their current condition and not restoring them to their original, pre-flood condition.) As you can see, the considerable environmental needs brought about by this flooding greatly exceed the collective funding resources of local, state and federal government unless a Presidential Major Disaster Declaration is granted and the PAGP is activated. The only other possible option might be a special Congressional appropriation, which is highly unlikely given the current difficult status of the federal budget.

The dredging assistance provided thus far by the USACE has been instrumental in restoring the basic navigability of the Dead River and the Marquette Harbor, but it has not removed all impediments to navigation nor permanently restored the areas ravaged by the Dead River floodwater. Again, additional federal assistance is required to restore the Dead River and Lake Superior waters to their pre-flood conditions, thereby providing an acceptable level of safety for commercial navigation interests and boating public alike.

To help address a portion of the road and bridge damage in the four affected counties, the Michigan Department of Transportation (MDOT) will be submitting a formal request for $2.5 million in Federal Highway Administration (FHWA) funding assistance under the FHWA Emergency Relief Program. However, that assistance – if granted – will only address those damaged facilities that are part of the Federal-Aid System (FAS). The FAS damage amounted to approximately 50 percent of the identified $4.8 million in public road and bridge damage, leaving the remaining 50 percent of road and bridge damage (approximately $2.3 million) with no ready means of permanent repair, restoration and replacement. In addition, another $2.1 million in other public damages (under PAGP Categories A, B, D, E, F and G) have been left unfunded by the denial of our declaration request. The State of Michigan and the affected local governments do not have the available funding to address these unmet public damage needs and bring the affected facilities back to full operational status. As I indicated in my declaration request letter, the State and these same four counties are still dealing with another major flood disaster that occurred in this same area only a year earlier (1413-DR-MI) and we simply don't have the financial resources to address this additional, unexpected public facility damage.

Damage to Dams Not Completely Addressed

The Preliminary Damage Assessment (PDA) conducted for this disaster identified only $145,306 in damage to dams and other water control facilities, even though the flooding completely destroyed two publicly-owned and operated dams. I believe this damage figure is far too low and apparently does not include the complete cost of rebuilding the two dams (the Tourist Park Dam in Marquette and the Loughs Lake Dam in Baraga County) to their pre-flood condition. The Marquette Board of Light and Power estimates that the cost of restoring the earthen fill to the Tourist Park Dam alone will approach $1.1 million – far in excess of the $145,306 in total damage identified under PAGP Category D in the PDA. These dams together provide valuable water control and recreation functions for the local communities and the region; therefore, it is imperative that they be rebuilt as quickly as possible.

Unfortunately, the State and the affected local communities do not have the funding at this time to undertake such a project, and as you know, funding under the National Dam Safety Program cannot be used for this purpose because physical improvements and construction activities are not eligible grant activities. The USACE and NRCS have not identified or offered ready sources of funding for the reconstruction of these two dams. I believe FEMA's PAGP provides the best source of funding for rebuilding and restoring these valuable and needed public facilities, and that program can only be activated through the declaration of a Major Disaster by the President.

Lingering Public Health, Safety, and Environmental Threats

Although strides have been made in addressing the many public safety threats and the environmental degradation brought about by this severe flooding, there are considerable lingering issues yet to be addressed. For example, local governments have done an excellent job in identifying and cordoning off unstable stream banks and other unsafe areas. However, as I indicated earlier, permanent

solutions for those dangerous sites will not come about in a timely manner unless significant federal funding resources are made available to restore, repair and permanently stabilize the areas.

Similarly, while the Dead River is open for recreational use and warning signs have been posted at boat launch sites warning boaters and swimmers to be alert for dangerous conditions, those temporary preventive measures are hardly a final, permanent solution to the problem of subsurface flood debris, sedimentation, siltation, bacteria and chemical pollution brought about by the flooding. Again, permanent solutions are needed to eliminate these significant threats to public health and safety and the environment.

The environmental damage to the Dead River Watershed may also adversely affect future flood control activities because the river has changed its course and characteristics in many areas upstream of and in and around the city of Marquette. Unless the failed water control structures and stream banks are replaced / restored to their pre-flood condition, it will be difficult to predict exactly how well the Watershed will handle future flooding events. It is entirely possible that previously flood-free areas and structures will now be flood prone due to the new Watershed characteristics, and the generation of hydro power may be affected as well. These are all distinct possibilities unless the Watershed is restored to its pre-flood condition. In its pre-flood condition, the Watershed performed in a predictable manner and the flood control and power generation characteristics and capabilities were well documented. In its current post-flood condition, the Watershed has unknown characteristics and capabilities that may adversely affect the citizens of the city of Marquette and Marquette County in the years to come. I do not want to take a "wait and see" attitude in this situation, and I am certain the affected local citizenry does not want to be part of such an experiment either. Prompt and prudent action is called for to help rebuild and restore the environmental and hydraulic / hydrologic characteristics of the Dead River Watershed.

Unfortunately, the State and the affected local governments are in no position to provide those solutions without a significant infusion of federal disaster relief assistance. I believe that the direct federal debris removal assistance I requested in my June 4, 2003 letter would have addressed the majority of the health and safety concerns related to debris, sedimentation, siltation and water quality. Activation of the PAGP would have provided the ready means to restore many of the damaged public facilities that provide critical water control, power generation and transportation functions.

Vulnerable Power Generation and Distribution Capabilities

This flood disaster exposed the relatively fragile nature of the Upper Peninsula's power generation and distribution network. Even as bad as the situation has been, it could have been much worse had one or both of the remaining dams on the Dead River failed and severely damaged or destroyed the Presque Isle Power Plant in Marquette. Fortunately, the power plant survived mostly intact from a physical standpoint, but it took a major hit from an operational standpoint. The plant has been off-line for several weeks, and even now only six of the nine generating units are back on-line. As you know, the power generation situation has been precarious at best since the flooding occurred and has caused millions of dollars in economic injury to the central and western Upper Peninsula and temporarily idled two major iron ore mines that produce 20 percent of the U. S. iron ore supply.

Although the region voluntarily adjusted its power consumption to cope with the reduction in electrical power availability and it generally succeeded in that regard, had this disaster occurred in colder weather the situation could have been much more serious. To prevent that type of situation from ever occurring again and to reduce the vulnerability of this plant and the regional distribution network to all types of natural and manmade threats (up to and including acts of sabotage and terrorism), I believe that prudent mitigation measures may be called for. If federal disaster relief assistance is made available, we may be able to provide funding (under the Hazard Mitigation Grant Program or PAGP) to the affected utilities in the region to undertake needed measures to mitigate the vulnerabilities of the power generation and distribution facilities to all types of physical threats. Without such assistance, those measures will not likely be taken due to lack of funding.

Economic Injury to the Region

The economic injury to the four affected counties and the region from this flood disaster is significant. Only now are many of the negative economic impacts coming to light. As I indicated in my June 4 declaration request letter, the estimated economic impact to Marquette County alone is in excess of $80 million. I have requested that the Small Business Administration (SBA) activate its Economic Injury Loan Program, under its own statutory authority, to provide much needed financial relief to the dozens of businesses negatively impacted by this flood disaster. That request is currently pending. Even if the request is approved, the assistance rendered will be in the form of low-interest loans which must be paid back. For many struggling businesses, another loan is often the last thing that they need. However, for many other businesses the loans will provide much needed working capital and a margin of safety that will allow them to continue to operate until their business picks up.

One form of economic injury that will not be addressed by the SBA Economic Injury Loan Program is the increased costs of electric power generation and distribution brought about by this flood disaster. The two private utilities primarily affected by the flooding – the Upper Peninsula Power Company (UPPCO) and Wisconsin Electric (WE Energies) – have incurred increased costs in excess of $10 million. In all likelihood, the bulk of those costs will be passed on to electrical customers – individuals, families, businesses and institutions – in the form of electric rate increases allowed by the Power Supply Cost Recovery mechanism administered by the Michigan Public Service Commission. That $10+ million is $10+ million that will not be spent in other segments of the local and regional economy – at restaurants, retail establishments and other businesses, at colleges / universities, at travel and tourism destinations, etc. – effectively taking the money out of widespread economic circulation.

The economic injury to public agencies in the affected area is significant as well and unfortunately is also not covered under the SBA Economic Injury Loan Program. Unless the PAGP is activated, the State and the affected local communities will not have a ready funding source for repairing, rebuilding and restoring the many critical public facilities damaged or destroyed in this disaster. As I indicated earlier, this disaster comes on the heels of another Major Disaster (1413-DR-MI) that occurred just a year earlier in these same four counties. The counties and local municipalities are still recovering from that event, and now they have yet another major flooding disaster to deal with and not much in the way of available resources to address the public facility damage and the many public health, safety, and environmental threats.

I sincerely believe that a Presidential Major Disaster Declaration is warranted in this situation due to the extraordinary circumstances involved in this flooding disaster – the catastrophic failure of two dams, the widespread and severe public facility damage and environmental degradation, the prolonged reduction in electric power generation capability, and the severe economic injury inflicted upon the affected communities and the region. Therefore, I ask that you reconsider your decision in this matter and that you grant the State of Michigan the disaster relief assistance that it needs by declaring this event a Major Disaster under the Stafford Act.

I have designated First Lieutenant Ralph Hobrat of the Michigan State Police, Emergency Management Division as the State Coordinating Officer for this appeal request. He can be reached by telephone at (517) 333-5048 and by e-mail at hobratr@michigan.gov. F/Lt. Hobrat will work with the FEMA in conducting additional damage assessments as necessary and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

January 19, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

In response to W. Craig Fugate's letter to me dated January 16, 2016, in which he indicated that the State of Michigan had been denied a Major Disaster Declaration under the Robert T. Stafford Disaster Relief and Emergency Assistance Act for contamination and damage to the public water system in the City of Flint, I submit this letter of appeal, in accordance with the provisions set forth in 44 CFR § 206.46, requesting a reconsideration of that decision. (I believe the letter should identify Mr. Fugate as the Administrator of FEMA, his official title. This opening paragraph is one long run-on sentence. I think it should be rewritten as two or more succinct sentences.)

Respectfully, I appeal the determination that the event "does not meet the legal definition of a "major disaster" under 42 U.S.C. § 5122, as implemented at 44 C.F.R. § § 206.2(17), the incident was not caused by a natural catastrophe, nor was it caused by fire, flood, or explosion." This unique disaster poses imminent and long-term threat to the citizens of Flint. Its severity warrants special consideration for all categories of the Individual and Public Assistance Programs, as well as the Hazard Mitigation program in order to facilitate recovery.

While the definition under 44 C.F.R. § § 206.2(17) provides examples of what might constitute a natural disaster, I submit that this disaster expands and fits both within the categories of a storm and flood given that it was qualities within the water that, over a long term, flooded and damaged the city's infrastructure in a way that was not immediately or easily detectable and will contribute to years and potentially decades of health problems and economic loss as well as necessary repairs to infrastructure that neither the city, county, or state have the capacity to conduct. I feel a A more narrow reading of this definition ~~I feel~~ does not adequately reflect the intentions of our "all-hazards" approach to emergency management at the federal and state levels, if our primary mechanism for relief is read in a way that limits the hazards to which we can provide relief. (Again, the first sentence is a long run-on sentence and should be rewritten.)

Given the gravity of the situation and ramifications for urban areas across the United States with pre-1987 constructed water distribution systems, I hope ~~that~~ you will determine that providing assistance beyond "appropriate assistance for required emergency measures...to save lives and to protect property and public health and safety" is warranted. As documented in my letter to you on January 14, 2016, the city of Flint has been devastated by job losses and associated economic decline.

While I greatly appreciate the emergency declaration and the assistance it provides for the city of Flint, I am disappointed that no other assistance is being offered or suggested, whether through Stafford Act measures or through programs of other federal agencies.

As additional support of this appeal, I offer the following information:

<u>State and Local Government Capabilities</u>

The City of Flint, County of Genesee, and State agencies have worked to provide short-term solutions to many problems related to this disaster. However, permanent solutions ~~to~~ for much of the ~~public facility damage~~ public water system damages can only come about with significant federal assistance made available under a Presidential Major Disaster Declaration. While we are grateful for the limited federal assistance provided thus far by FEMA, those efforts are stop-gap measures which do not meet the long-term recovery needs of this disaster for the City of Flint.

Emergency Protective Measures

As indicated in my declaration request, the State made an emergency appropriation to return Flint to Detroit water ~~and is preparing a second~~. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. The City of Flint also committed $2 million, and the Charles Mott Foundation committed $4 million. The State is in the process of approving a second appropriation ...

NOTE: What do we know about the new appropriation/what can we include?

The considerable needs brought about by this disaster greatly exceed the collective funding resources of local, state and federal government. Unless a Presidential Major Disaster Declaration is granted and the Public Assistance Grant Program (PAGP) is activated there will be significant unmet needs as identified in the following areas of impacts. The only other possible option would be a special Congressional appropriation, which is unlikely.

Long Term Public Health Threats

Although strides have been made in addressing public health threats brought about by this disaster, there are considerable lingering issues. The ability of a community to recover with such a large percentage of its citizens living in poverty ~~to recover~~ requires the ability of those citizens to acquire proper health care, case management, legal services, and assistance in repairing the plumbing infrastructure in their homes that may have be damaged. Permanent solutions for these individuals and households will not come about in a timely manner without significant federal resources to restore, repair and stabilize their lives.

Damage to Infrastructure

The affected local communities and the State do not have the funding capacity to undertake the repair of an entire public water system. FEMA's PAGP provides the best source of funding for rebuilding these critical public facilities, and that program can only be activated through the declaration of a Major Disaster by the President. Any other Federal programs of assistance would be welcome.

Mitigation

With federal disaster relief, Michigan could provide funding under the Hazard Mitigation Grant Program or PAGP to the affected utility to implement cutting edge measures to mitigate the vulnerabilities of the water system against all types of physical threats. Without such assistance, such measures will not be possible.

Economic Injury

As state Rep. Woodrow Stanley, D-Flint, said yesterday, "Flint is a city without a safety net. We had failing schools before we had a water crisis. We had high unemployment."

The economic injury to the affected communities from this disaster is significant. As I indicated in my declaration request letter, impacts including further decreases in property values, lost business activity, loss of employment and further loss in population will severely impact Flint and Genesee County.

As part of the disaster declaration request, I included assistance from the Small Business Administration (SBA) to provide financial relief to the scores of businesses impacted by this disaster. If such assistance were approved, the low-interest loans would provide much needed working capital to many businesses to allow them to continue to operate until their business picks up.

This disaster also comes on the heels of another Major Disaster (4195-DR-MI) that occurred in August of 2014. The state and those nearby counties and local municipalities are still recovering from that event and now they have another major disaster to deal with, and few available resources to address the ~~damages~~ significant impacts to the health of the citizens and damages to public facilities.

Direct Federal Assistance

The federal government is highly engaged in event responses, such as the BP Deepwater Horizon disaster. The federal government established a National Response Team of 16 federal departments and agencies, ranging from the EPA to the SBA to the Department of Labor. Such engagement was critical to restoring public confidence to avoid further economic damage from perceived contamination. In the BP case, fisheries, tourism, and other uses were afforded the benefit of technical expertise to minimize damage. In the case of Flint, residents are afraid to use water for washing because of their fear of further contamination and damage. The residents of the city of Flint need federal expertise to rebuild confidence in the use of tap water.

Conclusion

I sincerely believe that a Presidential Major Disaster Declaration is warranted due to the extraordinary circumstances involved in this disaster – the widespread and damage to public facilities, the potential long term damages to public health, and the substantial additional economic injury upon an already affected community. Therefore, I ask that you reconsider your decision in this matter and that you grant the State of Michigan the disaster relief assistance that it needs by declaring this event a Major Disaster under the Stafford Act.

Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division continues to be my designated State Coordinating Officer for this request. He will work with FEMA on program implementation and provide further information or justification on my behalf, as requested.

Sincerely,

Richard D. Snyder
Governor

Mike Sobocinski's notes on January 15, 2015 - 2nd daily SEOC briefing (4:00am):

MSP SEOC Planning Section (Amanda Bresler): Goes over upcoming battle rhythm items.

MSP SEOC Operations (Gabe Covey): Must ensure adequate supplies at the pods and the warehouse. Obtain volunteer numbers for tomorrow.

(Health and Environmental Branch: includes the next several agencies, including Red Cross)

MDHHS (Kathy Wald): Getting addresses for medically dependent persons. Following up on "the lab issue from this morning." Offer from SAMSA (?) to activate hot line. [A couple other items, too fast to capture in notes.]

MDARD (Brad Deacon): Training staff to be able to test samples, prepare and visit sites.

MDLARA (Alisha Gensler?): Helping DEQ with school water testing. [1st comments to fast to capture in notes]

MDEQ (Jen Wolf): Plan coordinator is establishing teams for the school water testing. By February 6, the whole program will be running, but by next weekend, (some initial more urgent parts of it will be implemented?) 2600 test kits left in the pods (?something about 2 days?). About 1100 test kits coming in today. Have ordered another 28,000, to arrive in the next couple of weeks. The total amounts to more than one test kit per Flint home since the declaration started. Labs are staying open on the weekend and the Monday holiday.

"Human Services Branch" (Rich Thelen): Processing filter and replacement cartridges – more than 30,000 each. Requested after-hours contact person [I didn't catch where or with whom].

MDOE (Kevin Walters): Working with Civil Rights for student and staff counts for all educational institutions, to deliver the EPA message.

MDHHS (don't know who?) A few I-Pad "hiccups" were clearing up well this afternoon. (Jeannette Doll, MDTMB: over 30,000 [of something] are available through Home Depot.)

MOSA? "Aging and Adult Services" (Steve Betterly): We've sent more than 80 additional addresses to GIS, from the local area agency on aging, for mapping. Working on the Recovery Resource Guide.

ARC (Paul Spata): Operating the Volunteer Reception Center, putting supplies in the field. Coffee was being provided for volunteers, the JIC, etc., and tomorrow this will expand to actually provide meals. 20 volunteers are assigned tomorrow (for kit assembly?) The warehouse and inventory management activity continues.

MSP Public Safety (Matt Bolger): Working on distribution mechanism with ARC. Want to pre-load trucks during the night. Over 50,000 homes visited [if I caught this information correctly]. Volunteer staffing numbers were provided for the coming 3-day weekend period.

MDOC (don't know who?): Adding two 24-foot trucks and drivers. Working to add 5 more for the next operational period.

MDMVA (don't know who?): 34 soldiers active—a couple in the Genesee County EOC and the JIC, and the remaining 32 distributed across the 5 pods.

MDTMB (Jeannette Doll): Received notification of more than 300 identification badges ready to be used this weekend. 30 additional I-Pads, which SEOC GIS will load software onto. A dumpster is headed to Clio Road. Notify that additional traffic will be going to the state lab over the weekend.

Local EOC EMHSD liaison ([garbled name over phone]): Working to re-establish local fire stations as [distribution/receiving points]. (Capt. Kelenske: The mayor said that samples will not be received there. We must have a consistent message on this topic.)

MSP SEOC Logistics Section (Wendy Galbreath): Two sites are still open, but are moving to consolidate to one at Clio Road warehouse. We want 4 out of the 20 vehicles to be pre-loaded tonight—only 4, so that water won't be frozen in the outdoor temperatures. Rain parkas are on their way to ARC and EOC locations.

MSP SEOC Planning Section (Amanda Bresler): [something] warehouse data, app numbers, [something else] numbers should therefore be available here to analyze.

SEOC Recovery Branch (MSP Brianna Briggs): Good progress today. Plan in place. Supply the pods first, then the teams. Pre-load vehicles with potentially everything needed throughout day, with a resupply then available if needed.

ARC (Lauren Twohig): We want to increase resource teams and daily volume, to increase the number of households reached.

PIO (Nicole Lisabeth): Capt. Kelenske gave a legislative briefing. We updated the talking points. We'd like to issue a news release containing specific numbers on personnel and resource distribution, but we still need to confirm some of these numbers before the press release can be made. The ARC news release will probably be delayed a couple of days. The MING could still get a news release out today. MDHHS has new blood level test results, to be placed online as soon as possible. An inquiry was received from Jackson, MI regional HHS regarding donated water plus a Wal Mart truck, but it is best to have a coordinated statewide response over separate individual agency activities. Media were at the Genesee County office building all day today, due to Governor and Mayor meetings. Still awaiting a city PIO at the JIC. Updating web site information on 2-1-1 and other topics. Confusion exists regarding FEMA, which is not actually a source of the water so far. The JIC is getting requests (media and legislative) for the presidential declaration request letter itself. The Governor did release yesterday's letter to Detroit newspapers. (Capt. Kelenske: concerned that information from such a release is not final, and therefore will require clarification.) We're requesting better coordination with Governor's office, etc.

Capt. Kelenske: SEOC operating hours are still 8am to 8pm until the situation stabilizes. Please arrange staffing for your agency. Leave contact information if not directly represented by a person at the SEOC. The JIC should be prepared for an upcoming legislative call with the Captain and FCO, when a response is received on the declaration request. We want to increase MING staff from 50 to over 65, but that will need to be approved first. A group [I don't know] is doing some sort of mobile testing in Flint. There was an SEOC briefing on stress and emotions, providing handouts with tips—take a minute to obtain and read those. The Lieutenant-Governor is here.

Lt. Gov. Brian Calley: Offering thanks and appreciation. The anxiety level in Flint is being reduced. As immediate needs are being met, longer-term aspects can be more focused on. Thanks for the high level of professionalism under trying and difficult circumstances.

MSP Amanda Bresler: Situation reports due at 6pm. Next briefing will be tomorrow at 9:30am.

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Mike Sobocinski's notes on January 14, 2015 - 1st daily SEOC briefing (9:30am):

MSP SEOC Planning (Amanda Bresler): A 10:30am distribution process meeting has been added to the battle rhythm. Today is a "planning day" [this phrase was still not clearly explained but might refer to the development of a new IAP]. 12:30pm submission deadline for the ICS 204 form. Developing the IAP for the next operational period. (Numerous objectives were read aloud.)

MDEQ (George [redacted]): There's been a question of when the water is to be considered safe. A tentative SEOC answer (*not for public dissemination yet*) -- since the question is complex, it will result from a consensus decision of all major partners, including locals. Copper and lead rules: a new 6-month monitoring period has just begun in Flint, involving a June 30 deadline for 60 samples to be tested for Cu, Pb. This routine schedule is of course too long for our current circumstances. Since December 9, phosphate supplements had been added to discourage pipe corrosion, rebuild a protective layer. There's a meeting with the Flint mayor regarding various system access points beyond the Pb and Cu rule's minimum test requirements. Seeking resident volunteers for monthly water test, to start analyzing trends over time. (Capt. Kelenske: It's being asked during the door-to-door visits, and over 60 so far have agreed. This info will be sent to DEQ.)

MSP SEOC Operations Section (Gabe Covey): An additional 80,000 square feet of warehouse space has been secured.

National Weather Service (Jim Askew[redacted]): Temperatures go up to the freezing point today. A mixture of snow and drizzle with the potential for icy roads where roads have been left untreated. Tomorrow from about 11am until about 6pm we expect rain showers, with the high temperatures around 40 degrees F. Not too much rain, a little ponding potential. Then from Friday evening, a little snow, as Saturday temperatures would be back down in the teens again and also during next week. Just one brief warm-up over the next day.

(Health and Environmental Branch, next few agencies)

MDHHS (Jennifer [redacted]): Subject matter experts are in the CHECC working on yesterday's question regarding emergency vs. disaster eligibility of a particular program under the Stafford Act. Working on the stress effects of the event upon mental health. Developing educational materials and messaging. Developing short and long-term goals regarding the "food desert situation." [NOTE: Afterward I gave her my contact info to join discussion of definitions and alternatives, related transportation access ideas such as providing paid bus passes to improve food access]

MDARD (Brad Deacon): A revised handout was approved and is being mailed out to food service locations, and web posting. Inspections of these locations will begin.

MDLARA (Karen Towne): Something about a pilot project (involving, or in addition to,) insulation and retesting. There's a question involving licensed in-home child-care facilities (up to 6 kids) and asking them whether they want to be water testing sites. Will research whether the authority exists to require testing.

MDEQ (Jen Wolf): Ensuring the transport and storage of water test kits. Heard a report of non-residential (e.g. businesses) told that the kits were only for residential units, but this is not true and therefore must be corrected. Test kits, etc. are free to all, not just residential: "No one gets turned away for anything."

MDHHS (Richard Thelen): A database with more than 17,000 addresses was supplied to the GIS section. 2-1-1 inquiry regarding whether State Emergency Relief (SER) is available. Will need to develop messaging on this topic, to explain to everyone what it is and what is available.

Lauren ([Loren?]) of the American Red Cross?: A logistics pipeline plan [is/was/is being?] developed.

American Red Cross (Paul Spata): Volunteer Reception Center was opened but not yet publicized, because it's first day was to test its processes to ensure they will be up to speed. About 6 volunteers were processed yesterday. Today, it should be fully open. Ten emergency response vehicles were staged to support the response teams in the field.

Department of Education (Louie Burgess): Receiving calls from federal level regarding things like unlicensed child care centers (residential, for up to 4 kids at a time). Checking into information for those inquiries. A 17-level departmental director is now on the educational planning team. The department is seeking contact with the Flint school district for something... [very unclear]

MDHHS (Brian Wilson): Volunteers remain active in Flint.

State Office on Aging (Steve Betterley): Sent at least 500 additional names to GIS staff yesterday. The Valley Area Agency on Aging raised a question regarding GCCARD: something about it not being involved in something [I didn't discern the details in any coherent way], and Michelle Kuzera, MSP representative at the local EOC, will follow up with Kathy Bolz (spl) to resolve the issue. Getting information on Medicaid waiver clients. Teri Simmons (spl) will represent this office for the 4pm briefing.

MSP Public Safety (Inspector Bolger): MSP is at the local EOC. [Phone-in participants interrupted numerous times with information. I'm not totally sure who said what in the end.] Buses are being used to shuttle residents. 36 MSP volunteers available today for Flint activities. Adequate filters and water are on hand right now (at least 1000). Wrapping up with the southwest side of Flint today, and proceeding to the north and northeast sides starting tomorrow. Discussion about different teams having different sizes, creating confusion over estimates of how many total persons are on them...between 4 and 15 persons per team? (Captain Kelenske directs a standardized number on each team, with accurate summary info presented to him in writing. A 10:30am follow-up call was agreed to.) Obtained trailers were not all adequate for their required purpose, such as being open-top trailers—situation must be resolved.

MDMVA / MING ([illegible]): All went well yesterday with the posted at the fire stations. More than troops are being used today. 1pm media address occurring today. Tomorrow at 9am, ; will be assigned to each fire station.

MDTMB (Jeannette Doll): Getting water moved over to Clio. A water-order program is in process. U-Haul trucks are being ordered to fill the MSP resource transportation needs. Have upgraded now to a $30 million Home Depot contract. Replacement filters are important for long-term recovery.

Local EMHSD Liaison [MSP's Michelle Kuzera?]: Working on planning tasks and processes for the homebound.

MSP SEOC Logistics (Wendy Galbreath): Site visit took place yesterday (with Lauren) to check into new locations. Three locations are now moving toward one large location at Clio Road, which has its own experienced crew for loading and unloading trucks, plus a Red Cross warehouse manager. Daily logistics meetings now occur at 10:30am (brief) and at 7pm (longer). Court Street and GCCARD will have their resources moved to and consolidated at Clio. (MSP's Kriste Davis: Mission-ready packages MRPs. Working toward standardized teams of similar size, plan being pushed up to work on it today. Yesterday's final numbers turned out to be 492 occupied homes visited (total 653, implied to include vacant ones).) About 2 minutes per door – a good rate of field work.

PIO/JIC (Shannon ?): Reviewing fact sheets. Michigan Association of Broadcasters sending radio PSA today. Received a request for door-to-door team credentialing (with official ID). If this is to be used, info will be needed for official distribution. (Capt. Kelenske:
." Someone else: the problem may be when teams cover an entire block, with the not easily visible to every household.)

MSP Planning (Amanda Bresler): Improving the pod technology thanks to MSP James Tchorzynski's work there. Meeting with agencies to help with ICS 204 forms. 6pm situation reports are due. Next briefing will be at 4pm.

Capt. Kelenske: Senator Arenic([illegible]) was met with and shown the SEOC; appeared impressed.

Mike Sobocinski's notes on January 14, 2015 - 2nd daily SEOC briefing (4:00am):

[NOTE: The initial tactics was much too rapidly paced to take notes on, and its content should be available once the ICS 204 forms are all submitted.]

(Health and Environmental Branch: first several respondents, including Office on Aging)

DHHS (Jennifer ?): Working on nutrition plan and behavioral health work.

MDARD (Brad Deacon): Food guidance went out in today's mail. Now working to prioritize sites in the most at-risk zones (the redder zones on a map) for forthcoming inspections.

MDEQ (Jen Wolf): Only 80 samples are present at Flint, perhaps because the only two collection sites for them are at City Hall and the Water Treatment Plant, and the plant might not be on the bus transit routes. May need to make fire stations into collection points, but indications had been that they didn't want to be responsible. The governor wants 8 teams—staff is needed who have some scientific background. Many bottles are coming in (overseen by American Red Cross?) Lot testing is needed to verify bottle cleanliness after they've been received from the vendor.

MDLARA (Karen Towne): Supplies were received. Pilot project installation to occur Saturday, with testing on Sunday.

MDHHS (Brian Wilson): Volunteers in the field have been receiving a lot of positive feedback from the community. IPad operation was much better today—fewer delays.

American Red Cross (ARC) (Lauren ?): Standardization of water response teams [R?Can't be sure this completely represents her statement...It went by too quickly.]

ARC (Paul Spata): Continued to staff the 5 fire stations. Coordinating with MING regarding their staffing over the weekend.

State Office on Aging (Steve Betterley): Coordination of referrals problem was successfully solved by Michelle Kuzera. Still in the process of identifying senior addresses in Flint who may need assistance.

MSP Public Safety: [some 2330 number rattled off along with a bunch of other stuff. Possibly the number is a cumulative number of doors visited to date by field teams?? Way too much info presented in too fleeting a manner to capture any of it in written notes! ☹☹☹☹☹☹☹☹☹☹]

MDMVA/MING (unidentified speaker in SEOC): Hotel rooms confirmed for _____ who will be there. Each pod is to have a government phone (and?) Blackberries. List provided to planners. Providing liaison to local EOC and a PIO to the JIC.

MDTMB (Jeannette Doll?): Four U-Haul trucks were obtained. Working on resource requests all day.

Local EOC MSP Liaison (Lt. B.J. Roach): Working with churches to coordinate. (Capt. Kelenske: Is a person available to handle that duty and thus free her up for many other tasks?)

MSP Logistics (Wendy Galbreath): Many requests regarding volunteer donations. Penske offered 15 to 20 trucks, Dean transportation has drivers available. Confusion regarding whether to go to EOC or to GCCARD, but that's now cleared up. MSHDA's 24 Flint properties are to get filters installed. "Zero water" [?] news event—to offer match (re: donations) of filters.

MSP SEOC Planning (Amanda Bresler): Logistics resource plan and IAP work today—need info as soon as possible. Situation reports are due by 6pm.

MSP Recovery Team (Kriste Davis): Planning involving the teams and coordination (mostly covered by others).

JIC/PIO (Shannon [redacted]): The email for state employees has been drafted, and is being reviewed. Several media requests received for warehouse events but need to be delayed until the transition is done and the warehouse is operating smoothly (in about 2 days?). Found no major media errors today. Many questions are pending and the list of them is growing in number—need info from the SEOC to answer them—especially needed for rumor control, since the same questions are being asked by activists. Trouble getting in contact with local community PIOs and need help to contact them. (Capt. Kelenske: need documentation of unsuccessful contact efforts, and submission of an actual list of questions; a follow-up call will occur on this topic.)

Capt. Kelenske: Met with TAG ([redacted]) today—General Vadinez ([redacted]). There's an issue involving used empty water bottles—a recycling system needs to be provided (regardless of whether it actually receives widespread use) so there isn't an issue with empty bottles everywhere. West Virginia has an after-action report which probably has good ideas about handling this. The next briefing will be tomorrow at 9:30am.

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Titles IV and V of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121 *et seq.* (Stafford Act), I request that you declare a Major Disaster and an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint, which was demonstrated in October, 2015.

Impact and Trauma

The City of Flint switched its water source from the Detroit system to the Flint River in 2014. Thereafter, in 2015, through cooperative monitoring efforts by the City of Flint, State of Michigan, and the Environmental Protection Agency (EPA)—and the painstaking work of doctors at Hurley medical center—elevated blood lead levels (EBLLs) were discovered in the City of Flint. As a consequence, Genesee County issued a "Do Not Drink" advisory on October 1, 2015. As of the most recent update 2,182 Flint residents have been tested for blood lead levels. Of those tested, forty-three residents have exhibited elevated blood lead levels. Twenty three of the persons found to have elevated blood lead levels were children under the age of six, the most likely age group to experience a long-term impact from lead exposure. One child was hospitalized, treated, and released. No other hospitalizations and no deaths have been associated with this emergency.

The Michigan Department of Health and Human Services (MDHHS) has also observed a spike of Legionella in the Flint area, which occurred in roughly the same time frame. This too will be investigated for any potential link to the water system.

This emergency has had a severe economic and psychological impact on the community. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the populace. Mistrust in government is at a heightened level. Thus, while the tap water is safe for non-consumptive uses, people are understandably concerned. Special populations are especially vulnerable in this emergency as they are often unable to access vital nutrition or water resources. Assistance with the Individuals and Households Program will be essential to recovery.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, with the establishment of the Volunteer

Reception Center (VRC), the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) will be conducting a conference call to determine how it can more fully activate. Several of its member organizations have already activated. Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

Pursuant to Michigan's Public Act 390, the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2016, respectively. I then declared a State of Emergency on January 5, 2016, for the County of Genesee and City of Flint. This emergency assumes that there has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities.

While we do not currently know the extent of any permanent damage to the City of Flint's water supply infrastructure, it has estimated the cost of replacing its water supply infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization, which assumes a cost of $25 per linear foot to remove and replace private service lines. Both Individual Assistance – IHP, and Public Assistance – Category B, will be crucial to helping the city and its residents recover. The State has already invested over $10 million in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

The jurisdictions that are the subject of this request have recognized their responsibility to make their community as disaster-resilient as possible. They currently have in place a FEMA-approved Hazard Mitigation Plan that is compliant with the Disaster Mitigation Act of 2000. The plan was adopted January 26, 2015. Under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included within Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has made a strong commitment to mitigate hazards and has met all applicable federal standards. On April 23, 2014, FEMA approved Michigan's Hazard Mitigation Plan as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information addresses the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households. The EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – Geographic Information System Unit (GIS)

On Friday, January 8, 2016, GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present need significant updating before an accurate picture can be created.

DPW estimates that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, GIS staff have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, older sections of the city tend to have sparse concentrations of lead, but the records for these areas are often incomplete.

In order to effectively determine the scope of the affected area, EMHSD is working with DPW and the University of Michigan–Flint to digitize many of DPW's old analog maps in order to extract the pipe status. Even when this process is complete, however, it will remain unclear whether the information will be accurate, given the age of the source data. With the comprehensive water testing plan that the DEQ is implementing, problem areas for the city will be identified to allow for manual inspections of the underground pipes to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The National Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services (MDHHS) – Health Division

The MDHHS is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. This emergency potentially could impact the capacity of the MDHHS to continue to undertake its public health work in other areas of the state.

The MDHHS continues to work closely with local partners to ensure that potentially impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). This includes working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The MDHHS updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October 2015, MDHHS initiated community outreach for distribution of educational materials to parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready-to-Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

While the extent of the impact is unknown, a worst-case-scenario impact of this emergency could result in significant future health costs to the impacted population, for direct medical needs, secondary and tertiary medical expenses, and secondary and tertiary prevention (education and nutrition).

Department of Health and Human Services – Human Services Division

The Human Services Division of the MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods: MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card (SNAP assistance) but still require additional healthy fruits and vegetables beyond what they can obtain through the SNAP program. Other residents who have had elevated blood lead levels may not have a Bridge Card, but purchasing fresh fruits and vegetables still can be a burden due to higher costs.

The plumbing in some homes is in poor condition. As a result, the faucet filters may not fit. The cost of paying for city water that the residents cannot drink is also significant. Some residents may have to make

a choice between buying food or to paying for water to flush toilets, bathe, and wash clothes. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of four, with leaks, etc., it could amount to more than $150 per month.

Additional ongoing testing will be required for those with EBLLs. Other potential long-term expenses may include treatment, tutoring, behavior specialists, and mental health services.

Flint is one of the most impoverished areas in Michigan. State and city poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially between 2006 (25.4%) and 2012 (31.8%).
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP) increased from 35.4% in 2006 to 47% in 2013.
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data," shows the numbers of recipients of benefit programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP) [SNAP]	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Talent and Economic Development (MTED)

The MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

The MTED's combined efforts are focused on short- and long-term assistance to the impacted communities through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, the MTED has assessed potential worst case impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at four potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total

- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

With input from the Department of Treasury, MDTED assessed that the most significant potential negative impact may be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters may leave the city). Residents and businesses may also have to continue to pay extra for bottled water, so the extra spending on water could take away from other spending. It would be relatively easy for residents to move some of their economic/spending activity outside the city, which could contribute to an economic downturn in Flint. Long-term, there may be the significant cost of a new water system over and above the health related costs, estimated by the MDHHS.

Department of Environmental Quality (MDEQ)

The MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal Safe Drinking Water Act. The City of Flint began using the Flint River for drinking water in May 2014.

On October 1, 2015 the State Chief Medical Officer confirmed Hurley Children's Hospital blood lead level data. On this same day, the Genesee County Health Department issued a "Do Not Drink" advisory to the customers of the Flint Water Treatment Plant. On October 15, 2015 the state legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the Detroit Water System (DWSD), and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services. On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karagnondi Water Authority is scheduled to be completed in mid to late 2016.

The MDEQ estimates its cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The MDEQ staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Agriculture and Rural Development (MDARD)

Part of the MDARD's coordinated outreach includes contact with businesses, particularly food-related businesses, to evaluate the safety of the water they use in their products. Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They have also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). All received a letter in October with guidance and will receive revised

guidance as soon as it is approved. There are 97 gas stations within the city which are within those food license numbers. We are planning additional outreach to them as part of our efforts. The MDARD will be working with on potential next steps with the Flint Farmers' Market.

No animal shelters exist in the water service area that we are aware of. The primary focus is and should be on residences where they also have pets. There are two veterinary clinics in the City, and we were making individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

The MDARD has been in close coordination with the MDEQ, The MDHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. The MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Insurance and Financial Services (DIFS)

The DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer. The potential losses experienced in Flint may not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the MDEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Licensing and Regulatory Affairs (LARA)

Beginning this week, state employees from LARA's Bureau of Construction Codes/Plumbing Division will conduct a pilot program at Freeman Elementary and will install new water faucets and plumbing associated with the nine faucet outlets that showed elevated lead exposure following MDEQ's initial testing. Twenty-two outlets did not show elevated lead exposure, but the nine faucets that did come back with initially high results involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. Following the installation of the new faucets, DEQ will retest Freeman identically to the original test of the school. Following the results of this pilot program, the initiative could be broadened to other schools throughout Flint and will affect the State of Michigan's long term strategy for ensuring clean drinking water in the city.

Replacement of faucets and piping are to be certified with no lead.

- Sink faucets $200
- Water supply valves/pipe fittings $100
- Labor/installation $625

With 29,943 customers on this water line and a minimum of 2 faucets per customer, (one bathroom, one kitchen), we are estimating the cost for replacement at $55 million.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014. In response to these disasters, in addition to Stafford Act assistance from DR-4195, the State has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau have successfully addressed the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG), in cooperation with the Urban Studies Center at Wayne State University, estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is nearly double the national rate. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially with lead which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5-year average, a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

In the October, 2015, to December, 2015, time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures require approximately $9.55 million to keep Flint on Detroit water until Karagnondi water is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate lead service lines on their properties.

The City's water system has been affected by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source appears to have decomposed and it is likely that some of the underlying lead pipes and lead solders began to leach into the water. Ultimately, this may have contributed to significant EBLL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The map attached as Figure 2, shows pipe composition in the northwest part of the city (the newest) only, so the percentage in this mapped section would be lower than in older parts of the city. The University of Michigan–Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is potentially of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies with resources and expertise that can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

SEMIFRG Executive Committee Minutes

January 14th, 2015

Attending or on call: Lyke T., Rev. Greg R., Angie S., Chad V., Bob B., Greg G.

Excused: Ginna H., Sandra C.

Executive Summary

- Bob – Support AHV. Work w/ Becky if church connection is an issue
- Bob – work to meet with Charlie Beckham and Jerry Norcia
- Ky and team – Stories to generate for media outlets. See notes (Lyke idea)
- Chad – confirm address w/ MNA (for correspondence)
- Chad – work with Rev. Roberts and Ginna to have the two meet (call)
- Greg – reach out to Faith Fowler

Welcome 1:10pm

I. **Old Business**

II. **Committee Report Outs**

- Communications (internal and external)

- Volunteer Management
  - Please see the attached notes from last week's meeting. **All Hands Volunteers needs help (funding short after January)!**

- Fund Development
  - Greg G. – update on status?
  - Lyke – have not heard much. GHHI is having funding difficulty. Neighborhood groups are also having issues w/ funding. Policy shift has contributed (new construction or major new rehab)
  - Rev. Roberts – Ginna and I were to talk about reach out program to clergy. *Haven't had the meeting yet. Chad to coordinate*
  - Bob – looked for money from DTE re: case management. Profile is too low. Wanted to know who we had that could make that difference? *Charlie Beckham could elevate the profile! Bob has reached out (no response, yet). Jerry Norcia would be another person to approach (and another person was mentioned).* Meetings coming. Construction group is sending an article out in the magazine, and are looking to add to newsletter
  - Greg G. – another LDS shipment of supplies offered. *Chad to determine if MNA address is correct*!

- Disaster Case Management

- Need update from Mary/Sam.

- Funders Forum/Unmet Needs
  - See detail below:

III. **New Business**

- Greg G. – Ginna had some ideas in partnership w/ Flint. But... situation has changed (for the worse) in terms of notice. Lyke – if Ginna is correct, we could get the funding rolling for the AmeriCorps program. Fundraising should go towards keeping teams here (AHV)!
- Greg G. – need to work w/ Becky and NW Detroit Flood Recovery Project. **Bob to reach out and help funding process!**
- Bob – reception has been very low; no political will present. Approach we're taking doesn't seem to be working.
- Greg G. – attention is very different in Flint (man-made and children, and heavy political component) = easy to gather interest.
- Lyke – maybe the way we're presenting this is not attractive. Not sure that the media attention is correct – list key media outlets (*Ky to pursue?*) and talk about individuals
- Greg G. – Work w/ Faith Fowler. Bob – concur. Work w/ Ky and Faith (and a neighborhood)
- Lyke – *3 part plan: family, community org., and the flood organization. First step is to work w/ Ky (agreement/adjustment) and AHV/MDS to ID families to for stories and then target specific media person to do this*
- Angie – DTE Test and Tune program pushed back.
- Bob – a DTE meeting I attended relayed that the program was ineffectual. They mentioned Bob and concentrating on one neighborhood...

IV. **Next Meeting** Chad to schedule (on behalf of Sandra)

Adjourn 1:53pm

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207] (Stafford Act), and implemented by 44 CFR §, Emergency citation (206.35)], I request that you declare an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint which was demonstrated in October, 2015.

Impact and Trauma

As a result of the cooperative monitoring efforts in place by the City, State and Environmental Protection Agency (EPA), and the painstaking work of doctors at Hurley Mmedical Ccenter, elevated blood lead levels (EBLLs) were discovered, and the County issued a do not drink order on October 1, 2015. Blood lead level testing is an important part of our efforts to identify people who have been harmed by drinking water that contained lead. However, we recognize that the full community of Flint must be the focus and the Michigan Department of Health and Human Services (MDHHS) is treating this as a population-wide exposure in its public health response. As of the most recent update 2,~~182~~642 Flint residents have been tested for lead levels and ~~43~~50 residents have exhibited elevated blood lead levels. Of those, ~~23~~28 ~~were~~ are children under the age of six, the most likely age group to be impacted long term. One child was hospitalized, treated, and released. No deaths have been associated with this emergency.

The situation becomes more complex as the ~~Michigan Department of Health and Human Services~~MDHHS has observed a spike in the Flint area of Legionella which also occurred in roughly the same time frame. This too will be investigated for any potential link to the water system. ~~While unlikely to be related to the water system, this new problem adds to the negative psychological~~ impacts on mental health that have become extensive.

Comment [LG(1]: The statement "while unlikely to be related to the water system" CANNOT be included in this letter as we do not know what the data will indicate when the review is done within the week.

Additionally, the economic and psychological impact this has had on the community is severe. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the ~~populace~~population. Mistrust in government is at a heightened level, and so, while water is safe for non-consumptive uses, people are understandably concerned. Special populations are especially vulnerable in this crisis as they are often unable to access available vital nutrition or water resources. Assistance with the Individuals and Households Program will be vital to recovery.

With the extent of time between the inception of Flint River water until the return to Detroit Water and Sewerage Department and re-treatment of the mains and pipes by the City, it is impossible to know the extent of those individuals who suffered the effects of EBLL. The duration of an EBLL can vary significantly depending on season, diet and other factors. The detection of substantial increases in EBLLs suggests a much higher rate over the duration of the emergency is likely.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, with the establishment of the (Volunteer Reception Center (VRC), the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) is conducting a conference call to determine how it can more fully activate (several member organizations have already activated). Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

A State of Emergency was declared on January 5, 2016 for the County of Genesee and City of Flint. Pursuant to Michigan's Public Act 390, both the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2015, respectively.

The effect of this emergency has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities. And it even includes all pets and other domestic animals living in the city.

The City of Flint has estimated the cost of replacing corroded infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization estimates of $25 per linear foot to remove and replace damaged private service lines. Both Individual Assistance – IHP, and Public Assistance – Category B, will be crucial to helping the city and her residents recover. The State has also invested over $10 million so far in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

Recognizing their responsibility to make their community as disaster-resilient as possible, be advised that all affected jurisdictions that are the subject of this request have in place a current, federally/FEMA approved, Disaster Mitigation Act of 2000-compliant Hazard Mitigation Plan. The plan was adopted January 26, 2015, and under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included in Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has also made a strong commitment to mitigate hazards and has met applicable federal standards: the Michigan Hazard Mitigation Plan was approved by FEMA on April 23, 2014 as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households.

EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – GIS Unit

On Friday, January 8, 2016 GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present needs significant updating before an accurate picture can be created.

DPW estimated that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, we have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, the older areas of the city tend to have sparse concentrations of lead, but often the records for these areas are incomplete.

In order to effectively determine where the affected area is EMHSD is working with DPW and the University of Michigan – Flint to digitize many of DPW's old analog maps to extract the pipe status. Even when this initiative is complete, it will remain unclear if the data will prove to be very accurate as the source data is considerably out of date. With the comprehensive water testing plan that the Department of Environmental Quality (-DEQ) is implementing, problem areas for the city will be identified so that manual inspections of the underground pipes can be done to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services – Health (MDHHS – H)

MDHHS-~~H~~ is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. The unique aspect is the potential additional impact to the department's work due to the water emergency.

The MDHHS continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

MDHHS-H has generated the potential expected impact of this emergency on future health costs. They include as much as $12,000,000 in secondary prevention – education; $1,575,000 in secondary and tertiary prevention – nutrition; Ddirect medical health costs are estimated at $18,280,849 with $120,875,000 in secondary and tertiary medical expenses;

Department of Talent and Economic Development (MTED)

MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the Townships of Mt. Morris, Flint, and Genesee; the Cities of Flint and Burton; and Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, MTED has assessed potential impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at 4 potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total
- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

With input from the Department of Treasury, MDTED assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses will also have to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems a reasonable estimate, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term, there will be the significant cost of a new water system. Direct health related costs, estimated by MDHHS, are in addition to this estimate.

Department of Environmental Quality (MDEQ)

On October 1, 2015 the State Chief Medical ~~Officer~~ Executive confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to help fund the City's return to purchasing treated water from the DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

MDEQ estimates cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Health and Human Services – Human Services (MDHHS–HS)

MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods. MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden due to higher costs.

In some homes the plumbing is very poor; as a result the faucet filters may not fit. The cost of paying for city water that the residents can't use is astronomical. As a scenario, residents have to make a choice to buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of 4 with leaks etc. it could be about $150 or more per month.

Additional ongoing testing will be required for those with EBLs - treatment long-term, tutoring, behavior specialists, and mental health services are all long-term effects.

The state and city's poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially:
  - 2012: 31.8% - 2006: 25.4%
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 9.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2013: 47% - 2006: 35.4%
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data" shows the numbers of recipients of programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP)	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578

State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Agriculture and Rural Development (MDARD)

Part of MDARD's coordinated outreach includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.

Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). In both cases we are identify higher priorities. All of those received a letter in October with guidance; all of them will receive revised guidance as soon as it is approved. There are 97 gas stations within the city which are within those food license numbers, but we are planning additional outreach to them as part of our efforts. MDARD will be working with on potential next steps with the Flint Farmers' Market.

No animal shelters exist in the water service area that we are aware of. The primary focus is and should be on residences where they also have pets. There are two vet clinics in the City, and we were making individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

MDARD has been in close coordination with DEQ, DHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Insurance and Financial Services (DIFS)

DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer.

The losses experienced in Flint would not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the ~~Department of Environmental Quality~~DEQ of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014.

The State, in addition to Stafford Act assistance from DR-4195, has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau successfully responded to the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit proper to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG) in cooperation with the Urban Studies Center at Wayne State University estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is nearly double the county's. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially of lead, which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5 year average a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

The relevant category under PA is B, Emergency Protective Measures.

In the October to December time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures are require approximately $9.55 million to keep Flint on Detroit water until Karagnondi is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate damaged lead service lines on their properties.

The City's water system was damaged by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source decomposed and underlying lead pipes and lead solders began to leach into the water. Ultimately, this lead to the significant EBL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The map attached as Figure 2, shows pipe composition in the northwest part of the city (the newest), so the percentage would be lower here than in older parts of the city. The University of Michigan – Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that emergency federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies whose resources and expertise can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

At meeting/on call: Tom L, Lawrence, Tom N, Annette, Reuben, Chad, Justin, Becky, Bob
Excused: Mary

Open: 3:02pm

- Introductions

- Update of activity
  - VOADs
    - MDS – 25-30 volunteers ready starting next Monday. Set on volunteers through April! Working a lot w/ Michelle in Osborn (using 211/Crisis CleanUp). Reached out to 5 new homes (1 home has 3 adults and 9 children!)... excited for help
      - Bob – any major electrical or plumbing? SBDR is not doing any new work in this capacity. Lawrence – electrical has no new work, plumbing has had some work done through contractors (MDS has picked up the tab on what is not covered)
      - Bob – are you still in Jefferson Chalmers? Lawrence – yes, we have a couple left, and working w/ Mary, but more Osborn focused
    - AHV – Phase 3 (rebuild): 31 rebuilt, and mucked/sanitized 67. 387 volunteers so far, and just shy of 12,000 hours of work! Busy January... at capacity for this month. 16 volunteers in the field today
    - SBDR – had a team of 8 from OK last week (Christmas to January 2nd). 2 homes rebuilt and 3rd was a veteran's home rebuild (so, 3 total). No volunteers until early March. 40-80 people signed up for all March... 20-25 homes in Warren left, only 6 need finishing. Assessed in Pershing (3 before Christmas, 2 others to do right now). A lot of Pershing will be muck/sanitation! Sending a half dozen people there to help wheelchair bound person. Did have 4 men with World Renew to review facility (working in partnership with them). Looking to do 1-2 day, in-state assistance. May have some people go out to Missouri...
    - NW Detroit Flood Recovery Project – busy doing DCM. 86 active cases! Waiting on many to do rebuilds. Have about 12 rebuilds in progress. AHV partnership is going well. Looking for funds for furnaces/water heaters (had success w/ funds there). Bob Bruttell has helped w/ a couple roofing projects
    - Presbytery – Tom Neal: a number of groups coming in (looking for places to work). Working w/ AHV recently. Can AHV handle? Becky/Reuben – have to hold off on anything past... AHV is funded through January. Hoping for end of May or August, but additional funding is needed by January end! Becky – "Plan B is in the works". Tom – need site managers. Justin – can Bob/SBDR also direct? Bob – we can house, direct, etc. Bob – had a high school group ask to help (couldn't handle), but can w/ a parent/guardian
    - Alafia – social media campaign happening for assistance (volunteers and materials). Looking to work w/ a local radio station. We should reach out in to the communities themselves. ID'ed foundations and big box stores to donate furnaces and water heaters (have contacts ID'ed and will be approaching). Justin – will follow-up with Annette and Becky to work on this

- DCM
  - Do not have the funding for appliance replacement (hence Alafia's involvement). Mary and Lawrence have found 8 homes with appliance needs. Take in to consideration pre-existing needs and flood related needs, and have DCMs on hand w/ extensive social work background to assist. State Emergency Relief Fund contact – looking to redefine what constitutes an emergency (time period issue). We still have ongoing issues. *Will send time/date for Wed/13th DCM meeting.* Working on a DTE free furnace inspection project. MI VOAD meeting was excellent, and there is higher involvement (Annette/Alafia, social media increase – send details to Gene Rivers, *GoFundMe account set up,* and asked to take issues to parent organizations.) Talked w/ April Wood re: small grants (NVOAD) that are coming up. *And we are also looking to approach big box stores at the national level (in-kind donations).* Need lists of needs

- Any issues, best-practices, or needs?
  - Tom – is there going to be a MLK Day of Service this year? Reuben – yes, we will be accommodating more volunteers. Recruited some extra people, just in case. Looking for 30/day. PR work to get the word out! Chad to support this

- Update from Volunteer Committee lead
  - Confirm a timeline w/ SEMIFRG and funding! Justin – Detroit is an exception from the normal process; some people nationally are involved to push the funding. $50,000 grant is also a possibility
  - Becky – communication to the Executive Committee? Justin – need a broader meeting. Bob is a good example of involvement from EC. Chad – communicate directly (send emails to Sandra). Need for the EC to contact the NW Detroit Flood Recovery Project and the other groups involved
  - Nechama also looking to be here April and again (depending on support) in the Spring/Summer

- Next meeting – Chad will send invite

Adjourn: 3:58pm

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 14, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested for Lead 10/1/2015 to 1/8/2016: 2,642;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 28
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 15
Severity Indicators: Hospitalized/Discharged - 1/1; Deaths - 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/12/2016
  - 23 families contacted
  - 16 EBL investigations completed.
  - 16 Water sampling completed.
  - 9 EBL Reports Received.
    - 8 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 7 homes with lead-based paint hazards
    - 4 homes with lead detected in tap water
      - 3 homes with lead water levels less than 5 ppb
      - 1 home with lead water levels greater than 15 ppb
  - 5 investigations scheduled.
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.
- 1 home was found to have elevated lead concentrations (72 ppb) in water from a bathroom tap. The family has been advised not to use the tap for consumption or brushing teeth. An additional filter will be provided to the family and options for replacing the fixture will be explored.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- CM report through 1/8/2016:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 134 (0-5 year olds) and 12 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: 30 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **Developed/updated Talking points to respond to Legionella questions.**
- **Completed Summary report describing second illness wave case investigations.**
- **Updated Analysis/Summary on first illness wave investigation with recently acquired patient information and illness-related mortality standard.**
- **Supplied Legionellosis cases to Vital Records for linkage to ascertain any unreported deaths.**
- The Governor's office held a press conference on Legionnaires disease in Genesee County.
- Blood lead level testing report through 1/8/2016 submitted to the JIC.
- Dr. Hanna-Attisha provided the first set of requested data as approved by MDHHS IRB.
- The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.

Filter & Water Distribution Sheryl Thompson

Filter report through 1/13/2016

	Received	Distributed	Remaining
Water Filters	22,000	13,008	8,992
Water Pitchers	720	409	311
Replacement Cartridges - Brita	19,400	3,367	16,033
Replacement Cartridges - PUR	5,706	375	5,331
Replacement Cartridges - Zero	375	205	170

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Weekly HHS internal briefing.**
- **Weekly coordination call with GCHD.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - No Updates

WIC - No updates.

Healthcare/Providers - No updates

DEQ Information - Linda Dykema as Liaison

- DLARA plumbers are replacing fixtures at Freeman Elementary School that were previously tested and found to have > 15 ppb of lead in the water. MDEQ will conduct a "deep flush" of the school plumbing since many lines have been unused for several months. MDEQ will then retest of the water from the new fixtures to confirm whether or not these efforts have been effective in reducing or eliminating exposure to lead in the water.

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207] (Stafford Act), and implemented by 44 CFR §, Emergency citation (206.35)], I request that you declare an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint which was demonstrated in October, 2015.

Impact and Trauma

As a result of the cooperative monitoring efforts in place by the City, State and Environmental Protection Agency (EPA), and the painstaking work of doctors at Hurly medical center, elevated blood lead levels (EBLLs) were discovered, and the County issued a do not drink order on October 1, 2015. As of the most recent update 2,182 Flint residents have been tested for lead levels and 43 residents have exhibited elevated blood lead levels. Of those, 23 were children under the age of six, the most likely age group to be impacted long term. One child was hospitalized, treated, and released. No deaths have been associated with this emergency.

The situation becomes more complex as the Michigan Department of Health and Human Services has observed a spike in the Flint area of Legionella which also occurred in roughly the same time frame. This too will be investigated for any potential link to the water system. While unlikely to be related to the water system, this new problem adds to the negative psychological impacts on mental health that have become extensive.

Additionally, the economic and psychological impact this has had on the community is severe. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the populace. Mistrust in government is at a heightened level, and so, while water is safe for non-consumptive uses, people are understandably concerned. Special populations are especially vulnerable in this crisis as they are often unable to access available vital nutrition or water resources. Assistance with the Individuals and Households Program will be vital to recovery.

With the extent of time between the inception of Flint River water until the return to Detroit Water and Sewerage Department and re-treatment of the mains and pipes by the City, it is impossible to know the extent of those individuals who suffered the effects of EBLL. The duration of an EBLL can vary significantly depending on season, diet and other factors. The detection of substantial increases in EBLLs suggests a much higher rate over the duration of the emergency is likely.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, with the establishment of the (Volunteer Reception Center (VRC), the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) is conducting a conference call to determine how it can more fully activate (several member organizations have already activated). Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

A State of Emergency was declared on January 5, 2016 for the County of Genesee and City of Flint. Pursuant to Michigan's Public Act 390, both the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2015, respectively.

The effect of this emergency has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities. And it even includes all pets and other domestic animals living in the city.

The City of Flint has estimated the cost of replacing corroded infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization estimates of $25 per linear foot to remove and replace damaged private service lines. Both Individual Assistance – IHP, and Public Assistance – Category B, will be crucial to helping the city and her residents recover. The State has also invested over $10 million so far in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

Recognizing their responsibility to make their community as disaster-resilient as possible, be advised that all affected jurisdictions that are the subject of this request have in place a current, federally/FEMA approved, Disaster Mitigation Act of 2000-compliant Hazard Mitigation Plan. The plan was adopted January 26, 2015, and under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included in Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has also made a strong commitment to mitigate hazards and has met applicable federal standards: the Michigan Hazard Mitigation Plan was approved by FEMA on April 23, 2014 as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households.

EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – GIS Unit

On Friday, January 8, 2016 GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present needs significant updating before an accurate picture can be created.

DPW estimated that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, we have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, the older areas of the city tend to have sparse concentrations of lead, but often the records for these areas are incomplete.

In order to effectively determine where the affected area is EMHSD is working with DPW and the University of Michigan – Flint to digitize many of DPW's old analog maps to extract the pipe status. Even when this initiative is complete, it will remain unclear if the data will prove to be very accurate as the source data is considerably out of date. With the comprehensive water testing plan that the DEQ is implementing, problem areas for the city will be identified so that manual inspections of the underground pipes can be done to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services – Health (MDHHS – H)

MDHHS-H is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. The unique aspect is the potential additional impact to the department's work due to the water emergency.

The MDHHS continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

MDHHS-H has generated the potential expected impact of this emergency on future health costs. They include as much as $12,000,000 in secondary prevention – education; $1,575,000 in secondary and tertiary prevention – nutrition; Direct medical health costs are estimated at $18,280,849 with $120,875,000 in secondary and tertiary medical expenses;

Department of Talent and Economic Development (MTED)

MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the Townships of Mt. Morris, Flint, and Genesee; the Cities of Flint and Burton; and Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, MTED has assessed potential impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at 4 potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total
- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

With input from the Department of Treasury, MDTED assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses will also have to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems a reasonable estimate, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term, there will be the significant cost of a new water system. Direct health related costs, estimated by MDHHS, are in addition to this estimate.

Department of Environmental Quality (MDEQ)

On October 1, 2015 the State Chief Medical Officer confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to help fund the City's return to purchasing treated water from the DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

MDEQ estimates cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Health and Human Services – Human Services (MDHHS- HS)

MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods. MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden due to higher costs.

In some homes the plumbing is very poor; as a result the faucet filters may not fit. The cost of paying for city water that the residents can't use is astronomical. As a scenario, residents have to make a choice to buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of 4 with leaks etc. it could be about $150 or more per month.

Additional ongoing testing will be required for those with EBLs - treatment long-term, tutoring, behavior specialists, and mental health services are all long-term effects.

The state and city's poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially:
  - 2012: 31.8% - 2006: 25.4%
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 9.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2013: 47% - 2006: 35.4%
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data" shows the numbers of recipients of programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP)	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Agriculture and Rural Development (MDARD)

Part of MDARD's coordinated outreach includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.

Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). In both cases we are identify higher priorities. All of those received a letter in October with guidance; all of them will receive revised guidance as soon as it is approved. There are 97 gas stations within the city which are within those food license numbers, but we are planning additional outreach to them as part of our efforts. MDARD will be working with on potential next steps with the Flint Farmers' Market.

No animal shelters exist in the water service area that we are aware of. The primary focus is and should be on residences where they also have pets. There are two vet clinics in the City, and we were making individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

MDARD has been in close coordination with DEQ, DHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Insurance and Financial Services (DIFS)

DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer.

The losses experienced in Flint would not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the Department of Environmental Quality of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014.

The State, in addition to Stafford Act assistance from DR-4195, has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau successfully responded to the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit proper to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG) in cooperation with the Urban Studies Center at Wayne State University estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is nearly double the county's. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially of lead, which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5 year average a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

The relevant category under PA is B, Emergency Protective Measures.

In the October to December time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures are require approximately $9.55 million to keep Flint on Detroit water until Karagnondi is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate damaged lead service lines on their properties.

The City's water system was damaged by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source decomposed and underlying lead pipes and lead solders began to leach into the water. Ultimately, this lead to the significant EBL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The map attached as Figure 2, shows pipe composition in the northwest part of the city (the newest), so the percentage would be lower here than in older parts of the city. The University of Michigan – Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that emergency federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies who's resources and expertise can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

Department of Environmental Quality (MDEQ)

MDEQ has been granted primary enforcement authority in Michigan by the EPA for regulatory oversight of all public water supplies, pursuant to the federal State Drinking Water Act. The City began using the Flint River for drinking water in May 2014.

On October 1, 2015 the State Chief Medical Officer confirmed Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announced the Governor's Flint action plan. On October 15, 2015 the Michigan State Legislature authorized $9.35 million to help fund the City's return to purchasing treated water from the DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

Mike Sobocinski's notes on January 15, 2015 - 1st daily SEOC briefing (9:30am):

MSP SEOC Planning Section (Amanda Bresler): Reads off the battle rhythm for the day. Yesterday's IAP was approved.

MSP SEOC Operations (Gabe Covey): The top priority today is tracking to ensure that adequate staff and resources are in the field. We are setting up the Water Resource Teams for the weekend. The Governor had asked for a declaration of both an emergency and disaster by the federal government yesterday. Working to improve coordination with JIC.

National Weather Service (Jim Askow [sp]): It will be about 40 degrees F all day today but afternoon rains will cause some slippery conditions. Temperatures drop tonight. It will be very cold Saturday through next week. Standing water will freeze in place tomorrow morning. Sunday's high temperature will be about 15 degrees F. Becoming breezy on later days, through next week, again resulting in circumstances in which exposed skin risks frostbite in 15 to 30 minutes outdoors.

Capt. Kelenske: We have intended to give credit to all who were involved, but some agencies were recently missed when trying to list them all.

(Health and Environmental Branch: next several respondents)

[ ] (Kathy Wald): The CHECC will be open Saturday, Sunday, and Monday, helping with the county phone banks on those days. Coordinating with GIS regarding those who are dependent upon medical equipment in their homes. Data is being obtained and provided to GIS. Genesee County Health Department requesting 10,000 copies of an EPA document, so MDTMB will arrange (Capt. Kelenske: or EPA itself can provide them).

MDARD (Brad Deacon): Prioritizing food facilities for follow-up next week. Coordinating with DEQ.

LARA ([ ]): 20% of the 244 health facilities [something. Too fast for notetaking]

MDEQ (Jen Wolf): Working on teams for the plan [for? and] testing water [at schools]. Logistics of 10,000 water bottles' assembly and distribution.

"Human Services Branch" [MDHHS] ([Rich Thelen])]: Filter and cartridge numbers were stated. Reordering is necessary today. Met with Finance, figuring out stuff with others. (Capt. Kelenske: Yesterday there was a budget meeting with SBO [ ].)

MI Dept. of Education (Kevin [Wolff]): Coordinating with private and parochial schools. [something else didn't catch it]

Dept. of Civil Rights (Mark Bishop): The EPA document is available online in multiple languages, has been handed out at schools. Would be good to coordinate with these other agencies and order more copies to meet everyone's needs.

[ ] (Brian [ ]): door-to-door [something. TOO FAST FOR NOTETAKING!]

State Office Services to the Aging (Steve Betterly): The Valley Area office (and Kathy Bolz) referral issue has been resolved by MSP Michelle Kuzera. 400 new addresses of "my choice waiver clients" [ ] were received and forwarded to GIS. Information on independent and assisted living facilities in Flint (non-regulated congregate settings) to overlay onto the existing heat map. Received question on

Legionnaire's Disease—any connection known? (Capt. Kelenske: no known connection. May need to put out a statement from DHHS or the Governor for PIO use.) Question on whether the heat map (by Dr. Mona Hanna-Attisha) is available to the public. (Capt. Kelenske: It is already available, open source.)

American Red Cross (Paul Spata): Many persons are asking about Legionnaire's Disease at the Flint fire stations. (Capt. Kelenske: Again, we will check this morning with the Governor on how to keep these topics disconnected. It's okay for fire stations to refer people to the web site, but there's a problem with providing handouts there and connecting the topics.) Five sites were staffed by ARC yesterday, but the MI National Guard takes over the staffing today. ARC is supporting the Water Response Teams today, and continuing to operate the Volunteer Reception Center. Supporting the distribution of materials, and providing warehouse operations management.

ARC (Lauren Twohig): Describes some sort of coordination. [too fast for notetaking]

MSP ([Over phone]): States various numbers of volunteer state employees. 10 teams are in the field, in wards 5 to 7 of the city. The ARC has an additional 5 teams, focusing on Ward 6. The I-Pad issue was partly the result of low temperatures, and partly related to software and operator handling of the software. Working with MDTMB on software to prevent I-Pad problems. (Capt. Kelenske: If there is a way to weatherproof them, let us know how to help.) Could use rain ponchos. (Capt. Kelenske: Will do.) Various sign-ups so far for working on Saturday (24), Sunday (39), and Monday (46). Working with Penske on truck donations.

MI Dept. of Corrections ([illegible]): Total of 14 vehicles including a handicap-accessible van.

MI National Guard (Lt.-Col. Randall): "O and O" [illegible] at local EOC. Have been transitioning into pods, which is going well. (Capt. Kelenske: TAG discussions—will provide info separately, soon. No tents are to be used.)

MDTMB (Jeannette Doll): Specialized items are available at the Mundy Township Home Depot, to use in the pilot (such as water bubblers). Volunteer identification badges should be available today. (Capt. Kelenske: We'll discuss re: "Volunteer" on badge design, since not all workers are volunteers.) Something was also said about fuel cards and employee "Survey Monkey" [unclear].

Attorney General (Peter Manning): Will be submitting some legal questions.

MSP SEOC Logistics Section (Wendy Galbreath): Working with Jeannette Doll (MDTMB) on the consolidated warehouse. Today is day 1 of the plan.

MSP SEOC Planning Section (Amanda Bresler): Situation reports due again by 6pm today.

MSP Recovery Branch (Brianna Briggs): Working on the weekend team logistics, and on identifying standardized information to be submitted daily (rather than repeatedly asked for).

PIO/JIC (Nicole Lisabeth): The Governor stopped by at a fire station, unannounced. Positive media regarding the federal declaration request that was made. No known media errors identified lately. A legislative briefing occurs today. There have been a couple requests for the presidential request letter (Capt. Kelenske: Not available publicly yet. Its release is to be discussed first for approval.) Today there are 3 news releases. Potential on Saturday for [Something]. Attorney General Schuette: sending out some info on his investigation. Today there is a Time Magazine interview with Dr. Eden Wells. Please notify the JIC of any agency messages that are being sent out. A Governor's statement is being made

today about returning additional powers to the Flint mayor. The Genesee County Health Department is on furlough right now, so people should dial 2-1-1 instead.

MSP Capt. Kelenske: At about 11am, 50,000 phone lines in Flint will receive a message from the Governor. This could cause a spike in calls to 2-1-1 as well as in the demand for supplies. Would like to get a briefing to the Mayor of Flint and to the Governor, summarizing agency actions. Please send bullet points to Gabe Covey (MSP Operations Chief) for him to assemble for this list of specific things being done. More items are better for the list, but each item should be short. SEOC hours will continue to be from 8a to 8p on Saturday, Sunday, and Monday. The #1 focus is on the pods, for distribution of water resources to Flint. If necessary, the field teams will support these pods if there is a need.

Historically, the Flint Water Treatment Plant utilized the Flint River as the source for providing drinking water to its customers. In 1967, the city of Flint (City) started to purchase treated water from the Detroit Water and Sewerage Department (DWSD). The DWSD water source is Lake Huron. The Flint River supply infrastructure to the water treatment plant was continuously maintained as an emergency backup source to the system.

Over time, the DWSD source became financially strenuous to the City and in January 2006 discussions ensued regarding utilizing the proposed Karegnondi Water Authority, which was not yet constructed, as an alternative primary long-term water supply for Genesee County and the Flint Water Treatment Plant customers. In 2009, the Lake Huron water supply study for the Karegnondi Water Authority was conducted and an Executive Summary and Preliminary Engineering Report were generated. Due to the financial strains the City was experiencing, they resolved to end their contract with DWSD and temporarily convert the water supply back to the Flint River as the source for the Flint Water Treatment Plant prior to the completion of the Karegnondi Water Authority. In April 2014 the Michigan Department of Environmental Quality (MDEQ) issued the Flint Water Treatment Plant construction permits for full time operation enhancements. In May 2014, the conversion of the source was implemented and the Flint Water Treatment Plant began distributing water to its customers.

To ensure compliance with the federal Lead and Copper Rule requirements for corrosion control, The City commenced two 6-month lead and copper monitoring periods. A first 6-month monitoring period ended on December 31, 2014, and the City's report was due to the MDEQ on January 10, 2015. The results from this report indicated the lead level (90^{th} percentile) was 6 ppb, just over the 5 ppb level deemed as having optimized corrosion control. On March 30, 2015 the MDEQ notified the City of the 6ppb results.

On June 30, 2015, second 6-month lead and copper monitoring period ended. After consultation with the EPA on July 21, the MDEQ notified the City of the results on August 17, 2015. At that time the MDEQ, reported that their analysis indicated a lead level of 11 ppb (90^{th} percentile), and required the City to install corrosion control equipment and begin treatment.

On July 28, 2015 the MDEQ received information from Michigan Department of Health and Human Services (MDHHS) indicating blood lead levels in City of Flint residents were consistent with past years seasonal variations.

On September 24, 2015 Hurley Children's Hospital revealed data indicating elevated blood lead levels in children who reside certain zip codes in the City. This same date the MDHHS reaffirms that their data is more comprehensive than that of Hurley Children's Hospital and remained consistent with past year seasonal variations. On September 25, the City announced a lead advisory regarding the drinking water to its citizens.

On October 1, 2015 the State Chief Medical Officer confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to help fund the City's return to purchasing treated water from the

DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

MDEQ estimates cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Mike Sobocinski's notes on January 13, 2015 - 2nd daily SEOC briefing (4:00pm):

MSP SEOC (Brianna Briggs): leads the meeting: Agency situation reports are due by 6pm. "Tomorrow is a planning day." [No explanation for this statement was provided.] Agencies, be sure to update 204 forms tactics, especially pods, teams, warehouses, etc.

(Health and Environmental Branch, next few agencies) MDHHS Community Health (Kathy Wahl sp?): Working on nutritional plan with several other agencies. Lori (Laura?) Sempler (sp?) will be the lead on that plan. Disaster behavioral health coordination is occurring, with CHECC exploring options, checking with DTAC at SAMSA [references not explained], targeted to Stafford Act qualifications. (Capt. Kelenske: does it qualify under an emergency such as this? This needs to be verified.) Some wording changes were suggested for the fact sheet.

MDARD (Brad Deacon): Mailing out food establishment requirements—about 800 of them.

MDEQ (Jen Wolf): Conversation about bringing more health people into the (local?) EOC.

M???: Two of the 5 trucks loaded with water filters are at the GCCARD. 10,700 filters, [two other large numbers were given for other types of resource there, rattled off too quickly for my poor & tired writing hand to keep up with.]

American Red Cross (Paul Spata): Staffing fire station points of distribution. Further coordination with MI National Guard (MING) on staffing. Volunteer reception center was up today; numbers to be reported in the sit rep tonight. Fielding a request to feed field response teams.

MDHHS (Brian Wilson): Their volunteers are still in the field. Heard concerns about some IPads not functioning in the cold, then seemed to work better? Awaiting confirmation of replenished stock.

Offices of Services on Aging (Steve Betterly): Valley Area Agency on Aging has been fielding calls. Something fell apart regarding the schedule of water/filter deliveries—need to get in touch with local EOC on this. (Brian Wilson: probably fixed last night.) (Michelle Kuzera?: Local EOC confirms follow-up to occur [She disappears from phone suddenly, not to reappear.]).

Capt. Kelenske: Any more personnel needed by the Sheriff's department for deliveries?

Unknown replacement on phone from local EOC: Being handled okay by the locals so far.

Capt. Kelenske: Consider replacing sheriff staff with area health and social work specialists, to better match staff with their expertise and free up sheriff personnel for their normal duties. (Services on Aging (Steve?): off-duty teams are available to help with phone lines and resource distribution.)

MSP: Working with MDOT for shuttle vans, working with Public Affairs re: state agency volunteers for the weekend.

MI National Guard (Colonel Reynolds) full-time staff at each of the 5 "pods." Friday morning 9am will resume handing out water at the pods. MING needed 33 volunteers, and actually

obtained 48. (Capt. Kelenske: Any feedback on public reaction or questions re: MING soldier presence? A: not known.)

MDTMB (Jeannette Doll): A warehouse has been located at another site. Red Cross and MSP Wendy Galbreath are checking it out as a replacement for the other site that had problems (Court Street school district site). Stuff is to be moved from the old to new site. Based upon truck loads, will be maintaining 8 truck loads per day through Saturday, available on Sunday too, if needed. 117,000 filters coming in, and 139,000 faucet ([counts???]). Tablets are coming in tonight to the EOC for GIS staff to download an app, then going to Flint in the morning. Information cards sent to Flint. 15 trucks are waiting. (Capt. Kelenske: They must offload somewhere and not wait.) Only 1 loading dock at each facility. Court Street won't work—told that it was vacant and had 80,000 square feet, but it was full. (Someone on phone, [Jackie Hampton perhaps], later announces that the site will be available tonight, after all. Commissioner Curtis had prompted warehouse emptying which is allowing trucks to be moved there now. Equipment and staff available to unload, with warehouse reportedly able to be cleared out tonight. A Dort Highway location is being investigated for suitability.)

Local EOC ([unknown person]): Information entry and radio [channels] seem good. Only the issue of supplies waiting on the road ([presumably on trucks or in transport]) must be cleared up.

MSP SEOC Logistics (Penny Burger): Working on trailers and vehicles from Department of Corrections, for door-to-door campaign. Coordinating with MSP for Thursday and Friday volunteers. Financial analysis being finished up—to be reviewed first by Captain Kelenske before submission.

MSP SOEC Planning ([Zach Baker? Couldn't see across room.]): Progress on tracking inventory. Sit reps due at 6pm.

MSP SEOC Recovery Team (Kriste Davis): Some numbers may not be in yet—issue of paper substitute for frozen IPads. 394 homes were visited yesterday, plus 378 more today, possibly more, once additional reports are processed. Even if number appears lower today, there was a smaller number of vacant homes today, so the actual number of inhabited homes is higher today. Working with the Red Cross this weekend for teams. Monday is a holiday. (Capt. Kelenske: Any info on community reaction? A: No info yet.)

JIC/PIO (Shannon [Banner]): Media hotline saw a markedly increased number of calls, although it was not overloaded. Some media questions need answers to come from the SEOC. Good collaboration with 2-1-1, county, and state agency PIOs. Could use the local PIO today, though. From 11:30a to 12:30p there was a media briefing at fire station #3—very good media turnout, positive in tone. Waiting for the logo approval (from local and county) for the response team. (Capt. Kelenske: How is 2-1-1 doing—being monitored for success of call handling, good staffing levels, etc.? Nicole Lisabeth [JIC/PIO]: 2-1-1 is going well.

(Phone discussion regarding Legionnaire's disease report—[unclear who the participants were].)

Capt. Kelenske: DHHS will handle those Legionnaire's-related questions through separate, normal channels, not through the SEOC or local EOC but through other channels, as a separate matter.

SEOC Planning Brianna Briggs: The next briefing will be tomorrow at 9:30am.

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MICHIGAN DEPARTMENT OF TALENT AND ECONOMIC DEVELOPMENT

TED Assistance Programs for Individuals and/or Government:

MEDC MSF

Community Development

a. **Program Name: Redevelopment Ready Communities**
b. Agency Responsible for program: MEDC
c. Point of Contact: Jennifer Rigterink
d. Type of Support (Individual or Government): Government
e. Eligibility Guidelines: Flint is in the program and is an eligible applicant.
f. Benefits Available: Technical Assistance dollars that could be used for training on planning/marketing/crisis management, etc.
g. Application Process: Request from community

a. **Program Name: Core Communities Fund**
b. Agency Responsible for program: MEDC
c. Point of Contact: Katharine Czarnecki
d. Type of Support (Individual or Government): Government
e. Eligibility Guidelines: Flint is an eligible applicant as a Core Community
f. Benefits Available: Up to $250,000 is available to be used for economic development activities, infrastructure is eligible.
g. Application Process: Form for community to complete, but should work directly with MEDC staff

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Capital Access

a. **Program Name: Collateral Support Program**
b. Agency Responsible for program: MEDC
c. Point of Contact: Chris Cook
d. Type of Support: Individual
e. Eligibility Guidelines: A federally regulated bank or credit union willing to provide new debt to a qualified for profit operating company. Borrower must be primarily operating in one of the following industries: manufacturing, wholesale & trade, research & development, mining, film & digital media productions, HQ office operations, or businesses that are qualified high technology businesses. Support limited to the lesser of 49.9% of the loan amount or $5,000,000. Fees of 1-3% of MSF support amount at closing and annually thereafter.
f. Benefits Available: Provide access to capital to companies that would otherwise not be able to access that capital due to a lack of collateral.
g. Application Process: The lender provides its underwriting document, along with an application form and company background check form, to MEDC Capital Access for evaluation and due diligence.

a. **Program Name: Loan Participation Program**
b. Agency Responsible for program: MEDC
c. Point of Contact: Chris Cook
d. Type of Support: Individual
e. Eligibility Guidelines: A federally regulated bank or credit union or certified development financial institution willing to provide new debt to a qualified for profit operating company. Borrower must be primarily operating in one of the following industries: manufacturing, wholesale & trade, research & development, mining, film & digital

media productions, HQ office operations, or businesses that are qualified high technology businesses. Support limited to the lesser of 49.9% of the loan amount or $5,000,000. Fees of 1-3% of MSF support amount at closing and annually thereafter.

f. Benefits Available: Provide access to capital to companies that would otherwise not be able to access that capital due to a lack of cash flow in the near term.
g. Application Process: The lender provides its underwriting document, along with an application form and company background check form, to MEDC Capital Access for evaluation and due diligence.

a. **Program Name: Loan Guaranty Program**
b. Agency Responsible for program: MEDC
c. Point of Contact: Chris Cook
d. Type of Support: Individual
e. Eligibility Guidelines: A federally regulated bank or credit union or certified development financial institution willing to provide new debt to a qualified for profit operating company. Support limited to not more than of 80% of the loan amount. Fees of 1-3% of MSF support amount at closing and annually thereafter.
f. Benefits Available: Provide access to capital to companies that would otherwise not be able to access that capital due to increased risk as determined by the senior lender.
g. Application Process: The lender provides its underwriting document, along with an application form and company background check form, to MEDC Capital Access for evaluation and due diligence.

a. **Program Name: Private Activity Bond**
b. Agency Responsible for program: MEDC
c. Point of Contact: Chris Cook
d. Type of Support: Individual
e. Eligibility Guidelines: Borrower must be primarily involved in manufacturing, be a not-for-profit corporation, or be a solid or hazardous waste disposal facility. Maximum bond amount is $1 million free of any restrictions on capital expenditures or $10 million subject to the condition that the company's total capital expenditure in the locality over the three years before and three years after the date of the issuance does not exceed $20 million. There is no size limit for bonds issued to finance solid or hazardous waste disposal facilities. Fees apply based on the amount of the bond
f. Benefits Available: Provide firms with capital cost savings stemming from the difference between taxable and tax-exempt interest rates.
g. Application Process: Applicant prepares an application for the bond and submits it to MSF staff. MSF considers an inducement resolution at its public meeting recognizing the public purpose of the project. Applicant structures the financing and bond counsel begins to prepare documents. MSF considers adoption of authorizing resolution.

Business Development

a. **Program Name – Michigan Business Development Program**
b. Agency Responsible for program – MEDC
c. Point of Contact – Josh Hundt
d. Type of Support (Individual or Government) – Government
e. Eligibility Guidelines – job creation and private investment by expanding or relocating business
f. Benefits Available – cash grant
g. Application Process – submission of application to MEDC staff, Michigan Strategic Fund review and approval, execution of incentive agreement, milestones and disbursements, reporting and compliance.

Federal Grant Development

a. **United States Department of Agriculture – Rural Community Development Initiative Grants**
b. Agency Responsible for program – USDA
c. Point of Contact – Jennifer Tebedo

d. Type of Support (Individual or Government) – Government
e. Eligibility Guidelines – Rural areas outside the boundaries of a city of $50,000 or more and its immediately adjacent urbanized area to improve housing, community facilities, and community and economic development projects
f. Benefits Available – cash grant
g. Application Process – Applications are accepted on an annual basis through a Notice of Funding Availability (NOFA) in the Federal Register.

a. **United States Department of Agriculture – Rural Business Development Initiative Grants**
b. Agency Responsible for program – USDA
c. Point of Contact – Jennifer Tebedo
d. Type of Support (Individual or Government) – Government
e. Eligibility Guidelines – Rural areas outside the boundaries of a city of $50,000 or more and its immediately adjacent urbanized area to support community economic development.
f. Benefits Available – cash grant
g. Application Process – Applications are accepted through the USDA Rural Development's local or State Office once per year.

a. **United States Department of Commerce – Planning Program and Local Technical Assistance Program**
b. Agency Responsible for program – US EDA
c. Point of Contact – Jennifer Tebedo
d. Type of Support (Individual or Government) – Government
e. Eligibility Guidelines – assists eligible recipients in developing economic development plans and studies designed to build capacity and guide the economic prosperity and resiliency of an area or region. The Planning program helps support organizations, including District Organizations, Indian Tribes, and other eligible recipients, with Short Term and State Planning investments designed to guide the eventual creation and retention of high-quality jobs, particularly for the unemployed and underemployed in the Nation's most economically distressed regions.
f. Benefits Available – cash grant
g. Application Process – Applications are accepted on a continuous basis through the regional or State Office.

a. **United States Department of Commerce – Public Works and Economic Adjustment Assistance Programs**
b. Agency Responsible for program – US EDA
c. Point of Contact – Jennifer Tebedo
d. Type of Support (Individual or Government) – Government
e. Eligibility Guidelines – EDAP makes construction, non-construction, and revolving loan fund investments to support the implementation of regional economic development strategies designed to create jobs, leverage private capital, and encourage economic resilience.
f. Benefits Available – cash grant
g. Application Process – Applications are accepted on a continuous basis through the regional or State Office.

MSHDA

Program Names: Community Development Block Grant Program (CDBG) and HOME

Agency Responsible For Programs:

Non-Entitlement Areas – Statewide

CDBG: Michigan Strategic Fund/Collaborative Community Development
Contact Person: Katherine Czarnecki Phone Number: 517.241.4950

HOME: Michigan State Housing Development Authority
Contact Person: Michelle Wildman Phone Number: 517.373.4363

Entitled Areas receive a direct allocation from the U.S. Department of Housing and Urban Development (HUD). Flint falls under the category of an Entitled Area and in FY15, HUD directly awarded Flint $3,617,741 in CDBG and $666,059 in HOME.

Type of Support: CDBG and HOME Federal Assistance

CDBG Eligibility Guidelines:
There is a lot of flexibility overall within CDBG. Note: activities identified in the City of Flint's Consolidated Plan include: **"Community Development and Infrastructure** - The City has 540 miles of water distribution lines, 570 miles of sanitary lines, and 350 miles of storm rain water lines. Much of this infrastructure is over 100 years old and in need of reconstruction or replacement. Insufficient funds are the major obstacle to addressing this need. CDBG and municipal financing represent a fraction of what is needed to address the problem. Additional funds from state and federal sources are needed and are being sought. CDBG will help fill the gap of inadequate resources to maintain community facilities and increase services."

For additional details go to the attached hyperlink City of Flint Consolidated Plan Link.

Overall CDBG can be used for: Acquisition of Real Property; Disposition; Public Facilities and Improvements; Clearance; Public Services; Interim Assistance; Relocation; Loss of Rental Income; Privately-Owned Utilities; Rehabilitation; Construction of Housing; Code Enforcement; Special Economic Development Activities; Microenterprise Assistance; Special Activities by CBDOs; Homeownership Assistance; Planning and Capacity Building; Program Administration Costs and Miscellaneous Other Activities.

CDBG can be qualified based on Urgent Need: An activity designated to alleviate existing conditions and the grantee certifies that those conditions are a serious and immediate threat to the health or welfare of the community, they are of recent origin or recently became urgent, the grantee is unable to finance the activity on its own, and other sources of funds are not available.

CDBG can be qualified based L/M Income Area Benefit: Can be used for an activity the benefits of which are available to all the residents in a particular area that is primarily residential, and at least 51% of those residents (or fewer if the exception criteria apply) are L/M income persons. **See hyperlink page 37 for a list of eligible census tracts.

HOME Eligibility Guidelines:
The actual activities that have been identified in the Consolidated Plan (hyperlink Page 155) are homebuyer assistance and refinancing of existing debt on multi-family projects.

Overall HOME can be used for: home purchase or rehabilitation financing assistance to eligible homeowners and new homebuyers; build or rehabilitate housing for rent or ownership; or for other reasonable and necessary expenses related to the development of non-luxury housing, including site acquisition or improvement, demolition of dilapidated housing to make way for HOME-assisted development, and payment of relocation expenses. HOME funds can also sometimes be used for tenant-based rental assistance contracts.

HOME can be qualified based L/M Income Household Benefit: The incomes of households receiving HUD assistance must not exceed 80 percent of the area median. HOME income limits are published each year by HUD. For rental housing and rental assistance, at least 90 percent of benefiting families must have incomes that are no more than 60 percent of the HUD-adjusted median family income for the area. In rental projects with five or more assisted units, at least 20% of the units must be occupied by families with incomes that do not exceed 50% of the HUD-adjusted median.

Benefits Available/Application Process: Undetermined – contact with the City of Flint regarding current allocation balances for FY15 and prior years is recommended.

Program Name: Housing Choice Vouchers (HCV)

Agency Responsible: HUD, MSDHA

Point of Contact: Kelly Rose

Type of Support: Individual, Rental Assistance

Eligibility Guidelines: 80% of applicants must be below 30% AMI, 20% below 50% AMI. Applicants must pass criminal screening that they do not have any violent crime in the past 24 months or drug offenses in last 12 months.

Benefits Available: HCV program pays a portion of the participants rent and utilities. It does not have any home repair funding component.

Application Process: MSHDA has a Homeless preference—homeless service agencies across the state can enter homeless person's application on waiting list. Non-homeless individuals/families must apply when the County resident waiting list is open for applications. This happens periodically when waiting lists get low on applicants. When vouchers are available names are pulled off the waiting list and applicants are contacted to fill out an application so their eligibility can be determined. Once eligibility is determined, they are issued a voucher and search for a rental unit. The unit is then inspected for HUD's HQS standards (does not have a water quality component) and if the unit passes a contract with the landlord is done and the family moves into the unit.

Editorial Comments: This program is not able to directly help with the Flint water issue. We are formulating a plan in consultation with HUD as to notifying individuals of their ability to get free water filters, etc. as well as their options for moving if they would like to relocate. We are also considering inspecting all homes with children 6 and under for proper installation of water filters.

Program Name: Section 8 Project Based Rental Assistance (Subsidized and Public Housing)

Agency Responsible for Program: HUD, MSHDA

Point of Contact: Daphne Wells

Type of Support: Individual. It provides rental assistance to tenants who reside at a property that has a project based rental assistance Section 8 contract with HUD. MSHDA administers this subsidy as a HUD subcontractor and in some instances has provided financing to build/rehab some of these properties.

Eligibility guidelines: Housing is available to income eligible individuals at these specific properties. Eligible applicants must apply individually at each property in which they are interested in living at and each property has a tenant selection criteria that is adhered to for prospective applicants. Each individual property maintains its own waiting list for applicants wishing to reside there.

Benefits Available: This program wouldn't have any benefits available to the Flint Water issue in that the Section 8 housing is tied to a specific property and only offers rent assistance.

Application Process: Applicants can apply at each individual rental property.

Editorial Comments: The only thing that really fits this category (Subsidized and Public Housing) is the Section 8 program as it provides rental assistance to tenants. Nothing in the program can help as it relates to the water issue as the assistance is tied to the building itself. There isn't anything in the program that would help in this situation except using our contacts with agents and owners in Flint to provide them information as we have talked about.

Program Name: MSHDA Housing Development Fund

Agency Responsible for Program: MSHDA

Point of Contact: Brian Mills

Type of Support: Individual. It provides rental assistance to tenants who reside at a property that has a project based rental assistance Section 8 contract with HUD. MSHDA administers this subsidy as a HUD subcontractor and in some instances has provided financing to build/rehab some of these properties.

Eligibility guidelines: In order for a proposal to be eligible for MSHDA's Statewide Partnership Grant program, the proposed activities must fit within one of five categories (Demolition, Land Acquisition & Development, Neighborhood Service Centers, Capital Improvements, or Community Development).

Benefits Available: Grants are limited discretionary budget dollars generated from interest from MSHDA earning on loan proceeds. Grants under $250,000 do not require formal board approval.

Application Process: Application is attached

Editorial Comments: Pursuant to communications with Mel Brown a few months ago, we suggested a number of different potential ideas for grant use in Flint. Those are detailed below:

- Pay for the costs of water quality analysis of all MSHDA backed mortgages in Flint. Evidently FHA is now conditioning all appraisals in Flint on a water quality analysis – and depending on the results won't put the mortgage through without the addition of a water infiltration system of some kind. Cost estimates are around $3,000 per home which is apparently having a negative impact on an already difficult real estate market.
- Pay for the replacement of water lines owned by residents with MSHDA mortgages within the city that need to be replaced or lines to homes with MSHDA backed mortgages or incomes less than 50% AMI.
- Pay for a percentage of the reconnection fee to acquire water from Detroit up to an amount not to exceed the % of MSHDA financed homes or low income households in the city (50% AMI).
- Pay for the replacing the city's municipal water line infrastructure associated with water lines being replaced to homes in the city with MSHDA backed mortgages or those household at or below 50% AMI.
- Pay for a percentage of any new infrastructure costs associated with the build out of a new water supply system so long as the amount doesn't exceed the % of MSHDA financed homes or low-income households in the city (50% AMI).
- Purchase of water for low income households (50% AMI).
- Purchase of water filters for any low income households (50% AMI).

Program Name: Housing Counseling

Editorial Comment: We have one Counseling agency in Flint right now (Metro Community Development) and they are not involved with water/filter distribution nor are they a site for people to get these items. More information regarding program information can be obtained from Mary Townley at 517.373.6864

Program Name: Self-help Homeownership Opportunity Program (SHOP)

Editorial Comments: The SHOP program is not administered by MSHDA. Mary Townley has calls into HUD to find out who in the state offers this product. Above is a product eligibility information showing that it is administered through non-profits.

SHOP awards grant funds to eligible national and regional non-profit organizations and consortia to purchase home sites and develop or improve the infrastructure needed to set the stage for sweat equity and volunteer-based homeownership programs for low-income persons and families. SHOP funds must be used for eligible expenses to develop decent, safe and sanitary non-luxury housing for low-income persons and families who otherwise would not become homeowners. Homebuyers must be willing to contribute significant amounts of their own sweat equity toward the construction or rehabilitation of their homes.

SHOP is authorized by the Housing Opportunity Program Extension Act of 1996, Section 11, and is subject to other Federal crosscutting requirements. No separate program regulations exist. All program requirements are listed in the applicable SHOP Notice of Funding Availability (NOFA).

Eligible Applicants: National and regional nonprofit organizations or consortia with experience in using homebuyer and volunteer labor to build housing may apply for SHOP grants. Applicants must have completed at least 30 units of self-help homeownership housing within the last 24 months. Eligible homebuyers must apply to participate in the SHOP program through a current SHOP grantee or one of their affiliates.

Application: SHOP grant funds are made available through HUD's annual SHOP NOFA competition. The SHOP NOFA is published on HUD's e-grant portal. Once the NOFA is published, eligible applicants may apply through this e-grant portal.

Eligible Activities: SHOP grant funds can only be used for land acquisition, infrastructure improvements, and administrative costs. Total land acquisition and infrastructure improvement costs cannot exceed an average of $15,000 in SHOP assistance per unit. Administrative costs cannot exceed 20% of the SHOP grant amount. SHOP grantees must leverage other funds for the new construction or rehabilitation of their SHOP units.

Program Name: HOPE

Editorial Comments: At this time MSHDA is unaware of this program and do not administer functions related to it.

TIA/WDA

Program Name: Workforce Innovation and Opportunity Act (WIOA) Adult Program

Agency Responsible for Program: Workforce Development Agency (WDA)

Point of Contact: Krista Johnson, Manager, WIOA Title I Section

Type of Support (Individual or Government): Government

Eligibility Guidelines: Adults Age 18 and Older, Priority is given to recipients of public assistance, other low income individuals, and individuals who are basic skills deficient.

Benefits Available:

Basic Career Services: Basic career services are available to all adults and may include: program information and basic assessment, general information, individual job development, advanced job club, advanced screened referrals, group activities, and job search.

Individualized Career Services: Individualized career services are designed for adults who have been unable to obtain employment through core services and have been determined to be in need of more individualized services. Individualized career services may include: comprehensive and specialized assessments, individual employment planning, counseling, short-term pre-vocational skills, case management, literacy activities, out-of-area job search, relocation assistance, internships and work experience.

Training Services: Training services, if made available, may include occupational skills training, On-the-Job training, workplace training with related instruction, registered apprenticeship, incumbent worker training, pre-apprenticeship training, skill upgrading and retraining, entrepreneurial training, transitional jobs, and adult education and literacy training provided in combination with another training service.

Application Process:

Individuals should contact their local Michigan Works! Agency to apply by calling 1-800-285-9675 to locate the nearest Michigan Works! One-Stop Center. Or they may visit www.michiganworks.org.

Program Name: Workforce Innovation and Opportunity Act (WIOA) Dislocated Worker Program

Agency Responsible for Program: Workforce Development Agency (WDA)

Point of Contact: Krista Johnson, Manager, WIOA Title I Section

Type of Support (Individual or Government): Government

Eligibility Guidelines:

A dislocated worker is an individual who:

1. Has been terminated or laid off, or who has received a notice of termination or layoff; and
   - Is eligible for or has exhausted entitlement to unemployment compensation; or
   - Has been employed for a duration sufficient to demonstrate attachment to the workforce, but is not eligible for unemployment compensation; and
   - Is unlikely to return to a previous industry or occupation.
2. Has been terminated or laid off, or has received a notice of termination or layoff, from employment as a result of any permanent closure of, or any substantial layoff at, a plant, facility, or enterprise; or
   - Is employed at a facility at which the employer has made a general announcement that such facility will close within 180 days; or
   - Is employed at a facility at which the employer has made a general announcement that such facility will close.
3. Was self-employed but is unemployed as a result of general economic conditions.
4. Is a displaced homemaker.
5. Is the spouse of a member of the Armed Forces on active duty and who has experienced a loss of employment as a direct result of relocation to accommodate a permanent change in duty station of such member; or
   - Is the spouse of a member of the Armed Forces on active duty and whose family income is significantly reduced because of a deployment, a call or order to active duty pursuant to a provision of law, a permanent change of station, or the service connected death or disability of the member; and
   - Is unemployed or underemployed and is experiencing difficulty in obtaining or upgrading employment.

Benefits Available:

Basic Career Services: Basic career services are available to all dislocated workers and may include: program information and basic assessment, general information, individual job development, advanced job club, advanced screened referrals, group activities, and job search.

Individualized Career Services: Individualized career services are designed for dislocated workers who have been unable to obtain employment through core services and have been determined to be in need of more individualized services. Individualized career services may include: comprehensive and specialized assessments, individual employment planning, counseling, short-term pre-vocational skills, case management, literacy activities, out-of-area job search, relocation assistance, internships and work experience.

Training Services: Training services, if made available, may include occupational skills training, On-the-Job training, workplace training with related instruction, registered apprenticeship, incumbent worker training, pre-apprenticeship training, skill upgrading and retraining, entrepreneurial training, transitional jobs, and adult education and literacy training provided in combination with another training service.

Application Process:

Individuals should contact their local Michigan Works! Agency to apply by calling 1-800-285-9675 to locate the nearest Michigan Works! One-Stop Center. Or they may visit www.michiganworks.org.

Program Name: Workforce Innovation and Opportunity Act (WIOA) National Dislocated Worker Grants (NDWGs) – previously called National Emergency Grants (NEGs) under the WIA

Agency Responsible for Program: Workforce Development Agency (WDA)

Point of Contact: Krista Johnson, Manager, WIOA Title I Section

Type of Support (Individual or Government): Government

Eligibility Guidelines:

A dislocated worker is an individual who:

1. Has been terminated or laid off, or who has received a notice of termination or layoff; and
   - Is eligible for or has exhausted entitlement to unemployment compensation; or
   - Has been employed for a duration sufficient to demonstrate attachment to the workforce, but is not eligible for unemployment compensation; and
   - Is unlikely to return to a previous industry or occupation.
2. Has been terminated or laid off, or has received a notice of termination or layoff, from employment as a result of any permanent closure of, or any substantial layoff at, a plant, facility, or enterprise; or
   - Is employed at a facility at which the employer has made a general announcement that such facility will close within 180 days; or
   - Is employed at a facility at which the employer has made a general announcement that such facility will close.
3. Was self-employed but is unemployed as a result of general economic conditions.
4. Is a displaced homemaker.
5. Is the spouse of a member of the Armed Forces on active duty and who has experienced a loss of employment as a direct result of relocation to accommodate a permanent change in duty station of such member; or
   - Is the spouse of a member of the Armed Forces on active duty and whose family income is significantly reduced because of a deployment, a call or order to active duty pursuant to a provision of law, a permanent change of station, or the service connected death or disability of the member; and
   - Is unemployed or underemployed and is experiencing difficulty in obtaining or upgrading employment.

Benefits Available:

Basic Career Services: Basic career services are available to all dislocated workers and may include: program information and basic assessment, general information, individual job development, advanced job club, advanced screened referrals, group activities, and job search.

Individualized Career Services: Individualized career services are designed for dislocated workers who have been unable to obtain employment through core services and have been determined to be in need of more individualized services. Individualized career services may include: comprehensive and specialized assessments, individual employment planning, counseling, short-term pre-vocational skills, case management, literacy activities, out-of-area job search, relocation assistance, internships and work experience.

Training Services: Training services, if made available, may include occupational skills training, On-the-Job training, workplace training with related instruction, registered apprenticeship, incumbent worker training, pre-apprenticeship training, skill upgrading and retraining, entrepreneurial training, transitional jobs, and adult education and literacy training provided in combination with another training service.

Application Process:

Individuals should contact their local Michigan Works! Agency to apply by calling 1-800-285-9675 to locate the nearest Michigan Works! One-Stop Center. Or they may visit www.michiganworks.org.

Disaster Relief Employment Specific NDWGs:

The Secretary of Labor is authorized to award NDWGs to provide assistance to the Governor of any state whose boundaries include a disaster area in order to provide disaster relief employment assistance in the disaster area.

"Emergency or disaster" means:

1. An emergency or a major disaster, as defined in paragraphs (1) and (2), respectively, of Section 102 of the Robert T. Stafford Disaster Relief Emergency Assistance Act; or
2. An emergency or disaster situation of national significance that could result in a potentially large loss of employment, as declared or otherwise recognized by the chief official of a Federal agency with authority for or jurisdiction over the Federal response to the emergency or disaster situation.

The term "disaster area" means an area that has suffered or in which has occurred an emergency or disaster.

If awarded, funds shall be used in coordination with the Administrator of the Federal Emergency Management Agency, as applicable, to provide disaster relief employment on projects that provide food, clothing, shelter, and other humanitarian assistance for emergency and disaster victims, and projects regarding demolition, cleaning, repair, renovation, and reconstruction of damaged and destroyed structures, facilities, and lands located within the disaster area and in offshore areas related to the emergency or disaster.

An individual may be eligible to be offered disaster relief employment if such individual is:

1. A dislocated worker;
2. A long-term unemployed individual;
3. Temporarily or permanently laid off as a consequence of the emergency or disaster; or
4. In the case of an individual who is self-employed, becomes unemployed or significantly underemployed as a result of the emergency or disaster.

No individual may be employed for more than 12 months for work related to recovery from a single emergency or disaster, unless an extension is granted by the Secretary of Labor. Extensions granted by the Secretary of Labor may not exceed an additional 12 months.

Program Name: Workforce Innovation and Opportunity Act (WIOA) Youth Program

Agency Responsible for Program: Workforce Development Agency (WDA)

Point of Contact: Krista Johnson, Manager, WIOA Title I Section

Type of Support (Individual or Government): Government

Eligibility Guidelines:

Out-of-School Youth (OSY) are individuals who are:

- Not attending any school (as defined by State law);
- Not younger than age 16 or older than age 24; and
- One or more of the following:
    - A school dropout;
    - A youth who is within the age of compulsory school attendance, but has not attended school for at least the most recent complete school year calendar quarter;
    - A recipient of a secondary school diploma or its recognized equivalent who is a low-income individual and is:
        - Basic skills deficient; or
        - An English language learner.
    - An individual who is subject to the juvenile or adult justice system;
    - A homeless, runaway, or current/prior foster youth;
    - An individual who is pregnant or parenting;
    - A youth who is an individual with a disability; or
    - A low-income individual who requires additional assistance to enter or complete an educational program or to secure or hold employment.

In-School Youth (ISY) are individuals who are:

- Attending school (as defined by State law);

- Not younger than age 14 or older than age 21 (unless an individual with a disability who is attending school under State law);
- A low-income individual; and
- One or more of the following:
    - Basic skills deficient;
    - An English language learner;
    - An offender;
    - A homeless, runaway, or current/prior foster youth;
    - Pregnant or parenting;
    - A youth who is an individual with a disability; or
    - An individual who requires additional assistance to complete an educational program or to secure or hold employment.

Benefits Available:

Available services include tutoring; study skills training; alternative secondary school offerings; dropout recovery services; paid and unpaid work experiences, including summer employment opportunities; occupational skills training; education offered concurrently with workforce preparation; leadership development opportunities; supportive services; adult mentoring; follow-up services; comprehensive guidance and counseling; financial literacy education; entrepreneurial skills training; provision of labor market and employment information; and activities that help youth prepare for, and transition to, post-secondary education and training.

Application Process:

Individuals should contact their local Michigan Works! Agency to apply by calling 1-800-285-9675 to locate the nearest Michigan Works! One-Stop Center. Or they may visit www.michiganworks.org.

Program Name: Community Ventures

Agency Responsible for Program: Workforce Development Agency (WDA)

Point of Contact: James Durian, Manager, Community Ventures

Type of Support (Individual or Government): Government

Eligibility Guidelines: Flint residents who are DHHS clients, PATH participants, ex-offenders, and persons with disabilities.

Benefits Available: Connection to employment and comprehensive 24 months of wraparound services after job placement. Community Ventures (CV) can assist Flint residents negatively impacted by contaminated drinking water by providing employment and wraparound services to those effected. CV can also help recruit and retain companies in Flint by partnering with companies and bringing companies together in coordinated community development efforts to help Flint residents. We have done this through promoting social enterprise partnerships like New Life Enterprises, through the formation of an Employer Resource Network (ERN), in Flint, and by partnering with United Way and local financial institutions in providing hard ship loans and financial literacy to Flint residents. CV could expand upon these efforts with a special focus on helping those most negatively impacted by the water crisis.

Application Process: Participants are referred from Mott Community College, Genesee-Shiawassee MWA (MWA), Mid-Michigan Goodwill, New Life Enterprises or DHHS.

Program Name: Job's for America's Graduates

Agency Responsible for Program: Workforce Development Agency (WDA)

Point of Contact: Krista Johnson, Manager, WIOA Title I Section

Type of Support (Individual or Government): Government

Eligibility Guidelines: Students from middle school to 21 years of age.

The JAG Flint program targeted at-risk students at two Flint-area high schools (Flint Northwestern and Flint Southwestern) to help them earn a high school diploma and prepare for college/careers following high school.

Benefits Available:

JAG-Flint's mission focuses on the following:

- Deliver a unique set of services to at-risk and disadvantaged youth in high school;
- Provided follow-up services which will result in the graduate's pursuing a postsecondary education; and
- Ensured the participants entered the workforce in a quality job leading to a career.

The primary objectives of The JAG Model program are:

- Keep program participants in school through graduation.
- Extend program services to participants for 12 months after graduation.
- Assist graduates or completers in pursuit of a postsecondary education and/or an entry-level job that leads to a career.
- Deliver services to non-graduates and non-completers during the 12-month follow-up period to attain a GED certificate or a high school diploma.

Application Process: Individuals should contact their local Michigan Works! Agency to apply by calling 1-800-285-9675 to locate the nearest Michigan Works! One-Stop Center. Or they may visit www.michiganworks.org.

Program Name: Partnership Accountability Training Hope (PATH)
Agency Responsible for Program: Workforce Development Agency (WDA)
Point of Contact: Brian Marcotte, Manager, Welfare Reform Section
Type of Support (Individual or Government): Government
Eligibility Guidelines: Individuals receiving Family Independence Program cash assistance (TANF)
Benefits Available: PATH is the work participation program required for families receiving cash assistance through the Family Independence Program administered by the Michigan Department of Health and Human Services. The Primary goals of PATH are two-fold. First, PATH will identify barriers and help participants connect to the resources they need to obtain employment. Second, the program helps Michigan reach the federally mandated 50% work participation requirement. Work participation is defined by the total number of participants fully engaged in job preparedness training, job search activities, and employment as a percentage of the states work eligible individuals receiving cash assistance.
The program is designed to assist eligible individuals in obtaining employment by offering job search assistance and work skills enhancement. The program offers vocational/occupational training, high school completion or GED attainment and a full range of supportive services that may be required to meet the job search and retention needs of the participants.
Application Process: Individuals should contact their local Michigan Works! Agency to apply by calling 1-800-285-9675 to locate the nearest Michigan Works! One-Stop Center. Or they may visit www.michiganworks.org.

Program Name: Trade Adjustment Assistance (TAA) Program
Agency Responsible for Program: Workforce Development Agency (WDA)
Point of Contact: Tammy Flynn, Manager, TAA Section
Type of Support (Individual or Government): Government
Eligibility Guidelines: Individuals are eligible for the TAA program who have a qualifying separation from a company with a certified petition by the US Department of Labor (USDOL). A petition identifies a worker group at a specific firm or subdivision and covers all individuals in that group. Generally, if a worker is laid off, a petition must be submitted within one year of the layoff for that worker to be covered by the petition and the certification, if USDOL grants the petition. A group of workers may be eligible for TAA if their jobs are lost or threatened due to trade-related circumstances as determined by the USDOL investigation.
After the investigation, USDOL determines group eligibility to apply for TAA benefits and services. Workers in a certified group will be notified by their local Michigan Works! Agency, at which time they may apply for individual eligibility for benefits and services.
Benefits Available: Employment and case management services: Assessments, career guidance, pre-vocational services, labor market information, supportive services, information on financial aid, employment planning, and information on training.
Training: Up to 130 weeks of training including:
- Classroom training
- On-the-job training
- Customized training
- Registered Apprenticeships

Trade Readjustment Allowances (TRA): Up to 130 weeks of wage subsidies for workers enrolled in fulltime training within 26 weeks of their trade-related layoff or certification, whichever is later.
Re-employment Trade Adjustment Assistance: A wage subsidy for workers age 50 or over who are re-employed at annual wages of $50,000 or less.
Job Search Allowance: Reimbursement for job search costs outside the worker's local area.
Relocation Allowance: Reimbursement for relocation costs for a job outside the worker's local area.
Application Process: Individuals should contact their local Michigan Works! Agency to apply by calling 1-800-285-9675 to locate the nearest Michigan Works! One-Stop Center. Or they may visit www.michiganworks.org.

To learn more about how to file a petition, check on the status of a petition, or to obtain more information on benefits and services, please visit www.doleta.gov/tradeact or contact Tammy Flynn at flynnt@michigan.gov.

Program Name: GED To School
Agency Responsible for Program: Workforce Development Agency (WDA)
Point of Contact: Keenan Wade
Type of Support (Individual or Government): Government
Eligibility Guidelines: Must Pass Official Practice Test or Complete Adult Education GED Preparation Course.
Benefits Available: $150 per candidate to pay the cost of GED testing fees.
Application Process: Individuals should visit the GED To School website at http://michigan.gov/wda/0,5303,7-304-64362-298726--,00.html or call 517-373-1692 for additional information.

Program Name: Adult Education Program
Agency Responsible for Program: Workforce Development Agency (WDA)
Point of Contact: Cliff Akujobi, State Administrative Manager
Type of Support (Individual or Government): Government
Eligibility Guidelines: Adults Age 16 and Older
Benefits Available: Adult Education provides an opportunity for students to improve or achieve education levels equivalent to those of high school graduates each year. Instruction is tailored to meet the individual needs of adult students. Standardized tests identify existing skill levels, appropriate instruction, and academic gains due to instruction. Adult Education consists of five components:

- High School Completion: Instruction designed to fulfill the requirements for a high school diploma.
- GED Test Preparation: Instruction in language arts, math, social studies, science, and writing, to enable successful completion of a GED test.
- Adult Literacy: Instruction in reading, English, language arts, math, and civics for adults without a high school diploma. The most basic literacy courses teach adults to read.
- English as a Second Language: Instruction in reading, speaking, writing, and understanding the English language.
- Labor Employment Related/Employer Workforce Readiness: Instruction in job- or employment-related mathematics, reading, and communication skills. Instruction may be "applied," which means that the academic material is directly related to specific job requirements.

Application Process:
Individuals should contact the Office of Adult Education at 517-373-8800 or visit the Adult Education website at http://www.michigan.gov/wda/0,5303,7-304-64362---,00.html

Historically, the Flint Water Treatment Plant utilized the Flint River as the source for providing drinking water to its customers. In 1967, the ~~plant~~ city of Flint (City) ~~changed its source to the~~started to purchase treated water from the Detroit Water and Sewerage Department (DWSD). The DWSD water source is Lake Huron. The Flint River supply infrastructure to the water treatment plant was continuously maintained as an ~~reserve~~ (emergency backup) source to the system.

Over time, the DWSD source became financially strenuous to the ~~City of Flint~~ (City) and in January 2006 discussions ensued regarding utilizing the proposed Karegnondi Water Authority, which was not yet constructed, as an alternative primary~~the preliminary~~ long-term water supply for Genesee County and the Flint Water Treatment Plant customers. In 2009, the Lake Huron water supply study for the Karegnondi Water Authority was conducted and an Executive Summary and Preliminary Engineering Report were generated. Due to the financial strains the City was experiencing, they resolved to end their contract with DWSD and temporarily convert the water supply back to the Flint River as the source for the Flint Water Treatment Plant prior to the completion of the Karegnondi Water Authority. In April 2014~~, after evaluation and testing of the treatment system with the Flint River source,~~ the Michigan Department of Environmental Quality (MDEQ) issued the Flint Water Treatment Plant construction permits for full time operation enhancements. In May 2014, the conversion of the source was implemented and the Flint Water Treatment Plant began distributing water to its customers.

To ensure compliance with the federal Lead and Copper Rule requirements for corrosion control, The City ~~of Flint~~ commenced ~~The MDEQ mandated~~ two 6-month lead and copper monitoring periods, ~~beginning at the time of the implementation, the first of which required a report from the city~~ A first 6-month monitoring period ended on December 31, 2014, and the City's report was due to the MDEQ on January 10, 2015. The results from this report indicated the lead level (90th percentile) was 6 ppb, just over the 5 ppb level deemed as having optimized corrosion control. ~~Normal or elevated levels?~~ On March 30, 2015 the MDEQ notified the City of ~~the~~the 6ppb results. ~~lead and copper monitoring results. In April of 2015 corrosion control treatment plans are proposed by the City and examined by MDEQ in collaboration with the US Environmental Protection Agency (USEPA).~~

~~October~~ In May 2015, ~~an investigation of a residential lead service line is conducted by the USEPA. Results indicated elevated water lead levels where caused by the lead leaching into the water from the service line.~~ The second 6-month lead and copper monitoring period ended ~~June 30, 2015. The City report provided indicated..... On July 14, 2015 the MDEQ issued the City a construction permit for corrosion control measures.~~

~~On July 28, 2015 the MDEQ received information from Michigan Department of Health and Human Services (DMHHS) indicating blood lead levels in City of Flint residents were consistent with past years seasonal variations.~~ On June 30, 2015, second 6-month lead and copper monitoring period ended. After consultation with the EPA on July 21, the MDEQ notified the City ~~of Flint~~ of the results on August 17, 2015. At that time the MDEQ, reported that their analysis indicated a lead level of 11 ppb (90th percentile), and required the City to install corrosion control equipment and begin treatment.

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On July 28, 2015 the MDEQ received information from Michigan Department of Health and Human Services (MDHHS) indicating blood lead levels in City of Flint residents were consistent with past years seasonal variations.

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~~On August 17, 2015 MDEQ required the City to install corrosion control treatment.~~ On September 24, 2015 Hurley Children's Hospital revealed data indicating elevated blood lead levels in children who reside certain zip codes in the City ~~of Flint~~. This same date the MD~~D~~MHHS ~~affirms~~ reaffirms that their data is more comprehensive than that of Hurley Children's Hospital and remained consistent with past year seasonal variations. On September 25, the City ~~of Flint~~ announced a lead advisory regarding the drinking water to its citizens.

On October 1, 2015 the State Chief Medical Officer confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to ~~assist~~ help fund the City's ~~to for the~~ return to purchasing treated water from the DWSD, and to fund ~~staff to conduct~~comprehensive lead evaluations ~~investigations~~ at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD ~~due to the effects on the distribution system caused by the different characteristics of the Flint River water as compared to the Lake Huron source water~~. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
COVER LETTER
MAJOR DISASTER OR EMERGENCY

January 14, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C.

Through: Mr. Andrew Velasquez III, Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, IL, 60605

Dear Mr. President:

Under the provisions of Section [Major Disaster citation (401), Emergency citation (501)]of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207] (Stafford Act), and implemented by 44 CFR §, Emergency citation (206.35)], I request that you declare an Emergency for the State of Michigan as a result of the elevated blood lead levels of citizens, especially children, within the City of Flint which was demonstrated in October, 2015.

Impact and Trauma

As a result of the cooperative monitoring efforts in place by the City, State and Environmental Protection Agency (EPA), and the painstaking work of doctors at Hurly medical center, elevated blood lead levels (EBLLs) were discovered, and the County issued a do not drink order on October 1, 2015. As of the most recent update 2,182 Flint residents have been tested for lead levels and 43 residents have exhibited elevated blood lead levels. Of those, 23 were children under the age of six, the most likely age group to be impacted long term. One child was hospitalized, treated, and released. No deaths have been associated with this emergency.

The situation becomes more complex as the Michigan Department of Health and Human Services has observed a spike in the Flint area of Legionella which also occurred in roughly the same time frame. This too will be investigated for any potential link to the water system. While unlikely to be related to the water system, this new problem adds to the negative psychological impacts on mental health that have become extensive.

Additionally, the economic and psychological impact this has had on the community is severe. While water is flowing through the tap, it is considered unusable for any purposes by a large percentage of the populace. Mistrust in government is at a heightened level, and so, while water is safe for non-consumptive uses, people are understandably concerned. Special populations are especially vulnerable in this crisis as they are often unable to access available vital nutrition or water resources. Assistance with the Individuals and Households Program will be vital to recovery.

With the extent of time between the inception of Flint River water until the return to Detroit Water and Sewerage Department and re-treatment of the mains and pipes by the City, it is impossible to know the extent of those individuals who suffered the effects of EBLL. The duration of an EBLL can vary significantly depending on season, diet and other factors. The detection of substantial increases in EBLLs suggests a much higher rate over the duration of the emergency is likely.

Voluntary Efforts

Voluntary agencies have been assisting since early in the emergency. United Way and 2-1-1 are the central call bank and donation resource for people needing assistance or wishing to donate. The American Red Cross has established a Disaster Recovery Operation and also is providing warehousing management. On January 13, 2016, with the establishment of the (Volunteer Reception Center (VRC), the Michigan Voluntary Organizations Active in Disaster (MI-VOAD) is conducting a conference call to determine how it can more fully activate (several member organizations have already activated). Numerous local voluntary organizations including the Genesee County Community Action Resource Department and the Food Bank of Eastern Michigan are serving key roles in the acquisition and distribution of water.

A State of Emergency was declared on January 5, 2016 for the County of Genesee and City of Flint. Pursuant to Michigan's Public Act 390, both the City of Flint and the County of Genesee declared local states of emergency on December 14, 2015 and January 4, 2015, respectively.

The effect of this emergency has been the loss of potable water for the entire City of Flint. This includes its residents, businesses and worker population. It includes those who live outside and travel in to take advantage of work, school, or recreational activities. And it even includes all pets and other domestic animals living in the city.

The City of Flint has estimated the cost of replacing corroded infrastructure at $767,419,500. Of that, $54,619,500 is private and $712,800,000 is public. These numbers are based on an estimate compiled by the Genesee County Department of Equalization estimates of $25 per linear foot to remove and replace damaged private service lines. Both Individual Assistance – IHP, and Public Assistance – Category B, will be crucial to helping the city and her residents recover. The State has also invested over $10 million so far in emergency protective measures and will be expending much more, some details of which are provided in the public assistance portion of this letter.

Recognizing their responsibility to make their community as disaster-resilient as possible, be advised that all affected jurisdictions that are the subject of this request have in place a current, federally/FEMA approved, Disaster Mitigation Act of 2000-compliant Hazard Mitigation Plan. The plan was adopted January 26, 2015, and under Michigan's Emergency Management Act, Public Act 390, as amended, the City of Flint is included in Genesee County's mitigation plan and emergency management program. Similarly, the State of Michigan has also made a strong commitment to mitigate hazards and has met applicable federal standards: the Michigan Hazard Mitigation Plan was approved by FEMA on April 23, 2014 as a Standard State Hazard Mitigation Plan under the Disaster Mitigation Act of 2000.

The following information is furnished on the nature and amount of State, local, or Indian tribal government resources that have been or will be used to alleviate the conditions of this emergency:

Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD or EMHSD)

In response to Flint's water emergency, the EMHSD has undertaken bulk distribution of water, filters, filter cartridges, and test kits throughout the City of Flint. Working closely with the mayor's office, the EMHSD has identified Points of Distribution (PODs) throughout the city and have begun training troopers and volunteers to canvass the city to provide these commodities to households.

EMHSD is also maintaining overall coordination of the incident, both through the State Emergency Operations Center, and through members of an incident management assistance team in the local Genesee County EOC.

EMHSD – GIS Unit

On Friday, January 8, 2016 GIS staff met with the City of Flint's Department of Public Works (DPW) to begin defining the scope of the affected area for the incident. The critical data layers needed to define where lead pipes are present needs significant updating before an accurate picture can be created.

DPW estimated that approximately 80% of the parcels within the city may have lead piping within their services lines from the water main to the house. Based on preliminary processing of the analog map data that DPW was able to provide, we have noted that newer sections of the city (post 1950) tend to be copper piping and do not have a prevalence of lead. In contrast, the older areas of the city tend to have sparse concentrations of lead, but often the records for these areas are incomplete.

In order to effectively determine where the affected area is EMHSD is working with DPW and the University of Michigan – Flint to digitize many of DPW's old analog maps to extract the pipe status. Even when this initiative is complete, it will remain unclear if the data will prove to be very accurate as the source data is considerably out of date. With the comprehensive water testing plan that the DEQ is implementing, problem areas for the city will be identified so that manual inspections of the underground pipes can be done to confirm the presence of lead.

Michigan Department of Military and Veterans Affairs (MDMVA)

As of January 13, 2016, I authorized activation of the Michigan National Guard to assist the people of Flint and the surrounding communities served by the water department. The Guard will help to broaden the distribution of water, filters, and test kits throughout the water department's service area.

Department of Health and Human Services – Health (MDHHS – H)

MDHHS-H is unique in that it responds to the types of emergencies being experienced by Flint as part of its daily mission. The unique aspect is the potential additional impact to the department's work due to the water emergency.

The MDHHS continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels (EBLLs). Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels.

The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and the importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

MDHHS-H has generated the potential expected impact of this emergency on future health costs. They include as much as $12,000,000 in secondary prevention – education; $1,575,000 in secondary and tertiary prevention – nutrition; Direct medical health costs are estimated at $18,280,849 with $120,875,000 in secondary and tertiary medical expenses;

Department of Talent and Economic Development (MTED)

MTED is comprised of the Michigan State Housing and Development Authority (MSHDA), Michigan Economic Development Corporation (MEDC) and the Talent Investment Agency (TIA).

Our combined efforts are focused on short and long-term assistance to the Townships of Mt. Morris, Flint, and Genesee; the Cities of Flint and Burton; and Genesee County through various grants and potential infrastructure assistance. MSHDA has identified allowable funds to assist residents with MSHDA-backed mortgages and the purchase of water/water filters for low income households. MEDC is focused on infrastructure development and qualifying funds for this purpose.

Based on available sources, MTED has assessed potential impacts to the economy of Flint resulting from the water crisis. We developed the attached analysis that looked at 4 potential long term costs associated with certain blood lead levels, which are:

- Lifetime earnings loss total
- Lead Health Care Treatment Costs
- ADHD Treatment Costs
- Special Education Costs

With input from the Department of Treasury, MDTED assessed that the most significant immediate negative impact will be the economic effects of such things as decreased property values, lost business activity (new businesses will not move to Flint and existing businesses that rely on clean water, such as restaurants, will be hurt), lost employment, population loss (renters will leave the city). Residents and businesses will also have to pay extra for bottled water, so the extra spending on water will take away from other spending. It is relatively easy for residents to move some of their economic/spending activity outside the city, so the Flint economy will be hurt. These impacts will create an economic downturn in Flint. In terms of personal income losses, a three to four percent loss in nominal personal income in the City of Flint seems a reasonable estimate, which would equal a negative impact of $85 million to $115 million per year in lost economic activity. Long-term, there will be the significant cost of a new water system. Direct health related costs, estimated by MDHHS, are in addition to this estimate.

Department of Environmental Quality (MDEQ)

On October 1, 2015 the State Chief Medical Officer confirms Hurley Children's Hospital blood lead level data. On this same date the Genesee County Health Department issued the customers of the Flint Water Treatment Plant a "Do Not Drink" advisory. On October 2, the state announces the Governor's Flint action plan. On October 15, 2015 the state legislature authorizes $9.35 million to help fund the City's return to purchasing treated water from the DWSD, and to fund comprehensive lead evaluations at City schools, provide free water filters for residents, provide free in-home water tests for residents, and provide free blood lead level testing and follow-up services.

On October 16, 2015 the Flint Water Treatment Plant reverted its source back to DWSD. On October 28, 2015 the MDEQ issued a construction permit for additional corrosion control treatment.

The MDEQ is supporting the response with incident management personnel, lead and copper water test kits and analysis and investigative teams. The connection to the Karegnondi Water Authority is scheduled to be completed in mid to late 2016.

MDEQ estimates cost impacts in the amount of $9.55 million. This includes $7.8 million to keep Flint on the Detroit system until January 1. It also includes $250,000 in chemicals needed for Flint to test the new water system once it is in place, and $1.5 million for 10 staff and lab equipment. The staff will be responsible for providing additional school and residential sampling and laboratory testing as well as expertise related to corrosion control and service line verification.

Department of Health and Human Services – Human Services (MDHHS- HS)

MDHHS has been working steadily to provide assistance to the local community through several different programs listed below.

Healthy foods. MSU-Extension has been giving out recipes of healthy foods that will help counter the effects of lead, but residents must be able to purchase the ingredients. Many have a Bridge Card and can utilize the double up food bucks but it still requires additional healthy fruits and vegetables. Some residents who have the elevated blood levels may not have a Bridge Card and purchasing fresh fruits and vegetables is a burden due to higher costs.

In some homes the plumbing is very poor; as a result the faucet filters may not fit. The cost of paying for city water that the residents can't use is astronomical. As a scenario, residents have to make a choice to buy food, or pay for water to flush toilets, bathe, wash clothes etc. A typical water bill in a home with good plumbing for a family of 2 is $98 per month. For a family of 4 with leaks etc. it could be about $150 or more per month.

Additional ongoing testing will be required for those with EBLs - treatment long-term, tutoring, behavior specialists, and mental health services are all long-term effects.

The state and city's poverty rates are given in the table "Michigan – Genesee – Flint Demographic Summary" on page 7.

- In addition to the general numbers in the table, the number of children age 0-17 living in poverty, has risen substantially:
  - 2012: 31.8% - 2006: 25.4%
- The median income for Flint residents between 2009 and 2013 was markedly lower than the state's median income, also shown in the table "Michigan – Genesee – Flint Demographic Summary" on page 9.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with 1 being best). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5% of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2013: 47% - 2006: 35.4%
- 21.8% of students did not graduate on time in 2013.
- The following table, "MDHHS Program Data" shows the numbers of recipients of programs offered by MDHHS.

MDHHS Program Data

City of Flint		
Program	Cases	Recipients
Food Assistance Program (FAP)	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Department of Agriculture and Rural Development (MDARD)

Part of MDARD's coordinated outreach includes contact with businesses, particularly food related businesses, to evaluate the safety of the water they use in their products.

Water safety also impacts animals. As a precautionary measure, MDARD included pets, service animals, and other domestic animals in their messages to families about water. They also reached out to the veterinary and animal care communities to bring their attention to this issue.

Through Michigan's funds and the USDA's Rural Development's programs, we are working to build and grow regional food systems, including the food hub and incubator kitchen at the Flint Farmers' Market. Through additional federal and state investments as well as public-private partnerships, we can help address some of the challenges to a nutritious food system. This is a critical component of responding to lead blood levels as good nutrition is one of the most effective treatments.

There are 549 Food Service establishments (includes restaurants as well as schools, which are being handled by Department of Education) and 337 Food Establishments (includes grocery, convenience stores, vending machines, etc.). In both cases we are identify higher priorities. All of those received a letter in October with guidance; all of them will receive revised guidance as soon as it is approved. There are 97 gas stations within the city which are within those food license numbers, but we are planning additional outreach to them as part of our efforts. MDARD will be working with on potential next steps with the Flint Farmers' Market.

No animal shelters exist in the water service area that we are aware of. The primary focus is and should be on residences where they also have pets. There are two vet clinics in the City, and we were making individualized follow up calls with them; all veterinarians in the region were contacted last week by Michigan Veterinary Medical Association.

MDARD has been in close coordination with DEQ, DHHS, and Genesee County Health Department on the protocol for using water. Guidance put out last fall was jointly issued by all four agencies. MDARD has also worked with other agencies on water sampling protocols. Compliance with new protocols will be a top priority.

Department of Insurance and Financial Services (DIFS)

DIFS is prepared to assist individuals with questions relating to their health insurance coverage or any health insurance claims that are not covered by their health insurer.

The losses experienced in Flint would not be a covered loss under property insurance. It is unlikely that there will be any remedy under property insurance to assist with the replacement of lead service lines. The estimate provided by the Department of Environmental Quality of $4,000 per service line would be multiplied by the ultimate number of lead service lines identified when the study is complete.

Department of Technology, Management and Budget (DTMB)

DTMB has been helping to procure water, filters and refill cartridges, 7 trucks and drivers have been deployed to assist with delivering supplies to Points of Distribution (PODs) and assisting with neighborhood visits. More are being procured.

DTMB also facilitated the establishment of the Joint Information Center (JIC) at the Flint State Office Building and provided additional security at the building. They have also established a lease agreement for 100,000 square feet of warehouse space in the city to use for water, filters and supplies and provided guidance and assistance with agencies in their contracts along with IT needs.

Procurements include:

- Truckloads of water - 32; Equating to gallons, this is approximately 250,000 gallons over two days, and this is anticipated to double.
- Brita faucet filters – 27,000
- Brita Replacement filters – 1,600
- PUR faucet filters – 12,500
- PUR 3-pack replacement filters – 40,000

Disaster History/Long Term Recovery Continues

The State of Michigan has had two Governor's declarations in the previous 12 months, the Portland Tornado in June, 2015, and the Grand Traverse and Leelanau Straight Line Winds in August, 2015. Additionally, the state continues to work on Public Assistance and Long Term Recovery from the Southeast Michigan Flood of August, 2014.

The State, in addition to Stafford Act assistance from DR-4195, has made disaster funding available from state funds through Sections 18 and 19 of Public Act 390, the Michigan Emergency Management Act.

While the responses to Portland and Grand Traverse/Leelanau successfully responded to the impacts, the Long Term Recovery in Southeast Michigan continues to face many challenges. Several voluntary organizations work in Detroit proper to continue rebuilds and even muck-outs from the flooding of 2014. Resurgent black mold plagues many households, and the rebuild efforts continue to struggle with unmet needs such as furnaces. A Long Term Recovery committee meets regularly to establish funding opportunities, identify needs, and communicate the needs, but resources continue to be difficult to obtain, at best. The Southeast Michigan Flood Recovery Group (SEMIFRG) in cooperation with the Urban Studies Center at Wayne State University estimates that there remain 14,992 homes still in need of intervention resulting from the 2014 flood, with estimated repairs reaching as much as $144,477,500.

Demographics

Genesee County, and particularly the City of Flint, experience rates of poverty significantly higher than both the nation and the state. Genesee County's poverty rate is a full 5.6% above the national average, and the City's rate is nearly double the county's. Household income lags significantly behind national and state median income in the county, and the city is less than half the national median income. To exacerbate the problem, especially of lead, which impacts young children so significantly, the percentage of children under 5 living in Flint exceeds the national, state, and county rate. The elderly population is slightly lower in the City of Flint, but the percent disabled is significantly higher, 8.1 percentage points above the national rate. Unemployment too is significantly higher than national and state rates. As of September, 2015, prior to the emergency, The City of Flint's unemployment rate was 9%; nearly double the state rate of 5% and national rate of 5.1% However, looking at the U.S. Census American Community Survey 5 year average a prolonged period of very high unemployment is seen, over 26.3%. The table below shows the unemployment rate in Flint has been nearly three times the national average over the past 5 years.

Michigan – Genesee – Flint Demographic Summary

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Children under 5	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
US Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State of Michigan	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

* U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

Public and Individual Assistance

The relevant category under PA is B, Emergency Protective Measures.

In the October to December time frame, the State made an emergency appropriation to return Flint to Detroit water. The appropriation included several emergency measures which included testing, case management for those affected, and short and long term health care strategies. The state's commitment to those measures was $9.35 million. As part of the return to Detroit water, the City of Flint also committed to expending $2 million, and the Charles Mott Foundation committed $4 million. Current emergency response measures include the distribution of approximately 1 gallon of water per day per resident, a filtration cartridge to every household, a cartridge refill, and a water testing kit. These measures are require approximately $9.55 million to keep Flint on Detroit water until Karagnondi is available and $22 million to distribute water, filters and testing kits until the emergency is resolved.

For Individual Assistance, under Housing Assistance, there is an estimated need of approximately $53,000,000 to help individuals eliminate damaged lead service lines on their properties.

The City's water system was damaged by the introduction of a new source of water with a different chemical composition. A "coating" that is maintained by chemical treatment at different levels, depending on the water source decomposed and underlying lead pipes and lead solders began to leach into the water. Ultimately, this lead to the significant EBL problem noted throughout this letter and numerous public reports. The extent of lead in the City's system at this time is difficult to determine. Much of the system has not been mapped, but the City's best estimate right now is that as much as 80% could contain lead components. The map attached as Figure 2, shows pipe composition in the northwest part of the city (the newest), so the percentage would be lower here than in older parts of the city. The University of Michigan – Flint is assisting the city with the digitization of historic hand-written records.

Insurance

The City of Flint is self-insured, so there is no outside insurance resource for this emergency.

Concluding Statement

In response to this emergency, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on January 5, 2016, in accordance with Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Emergency for Genesee County, including the City of Flint, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned county and local political subdivision in responding to and recovering from this emergency. Numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals.

I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that emergency federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected county and jurisdictions specified in this request. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are estimated in FEMA Form 010-0-13.

I am requesting Direct Federal Assistance from other agencies who's resources and expertise can be brought to their relevant areas of expertise, including but not limited to the CDC, EPA, USDA, HHS, HUD, SBA, and USACE.

I certify that for this emergency, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act.

I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf.

Sincerely,

Richard D. Snyder
Governor

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

Mike Sobocinski's notes on January 13, 2015 SEOC briefing (9:30am):

MSP SEOC Planning chief (Amanda Bresler): leads the meeting: Agency situation reports are due by 6pm. A new IAP is available. Agencies need to update their "204 forms" throughout the day.

National Weather Service (Jim Askill[illegible]): Still cautioning about the potential for frostbite in 30 minutes or less (for exposed skin outdoors). Tomorrow's temperatures are expected to rise to about the freezing point (32 degrees F). Possible light rain on Friday could cause icy roads. The weekend will be a little colder, with occasional snow.

MDHHS ([illegible]): CHECC is working on a nutritional plan with other agencies. The plan could address education, short-range and long-range goals, and the mitigation of lead vulnerabilities, perhaps working with a farmer's market. Reference to Flint as a "food desert" and to perhaps open a decent grocery store there. A potential lead impact document has been submitted to planning. Currently considering mental health impacts and resources. Following up with local health departments to determine their staff and support needs.

MDARD (Brad Deacon): A document was approved: Requirements for Licensed Food Establishments using City of Flint Water.

MDLARA ([illegible]): Coordinating with MDEQ. MIOSHA scientists are to help with residential water testing.

MDEQ (Jen Wolf): Extra staff are in Flint today to help with kits. A field observer is helping to organize and plan for the transport of kits to the lab. Helping with the request for a presidential declaration.

Human Services (DHHS?) (Rich [illegible]): Reports "zero filtration products" at the fire stations as "Good job!" [Unclear to me exactly what and why he is reporting as good.] Regarding trucks, information is needed about the quantities on them, being distributed.

American Red Cross (Paul Spata): Five fire stations are staffed for resource distribution. [something] management team for GCCARD (Genesee County Community Action Resource Department). Began [Just the start of ARC involvement, does he mean?] assembling water testing kits. Volunteer reception center is active today. "Lauren" [who?] was brought in for logistics planning in the SEOC.

MDHHS (Brian Wilson): Staff volunteers are on site to help with distribution.

[also MDHHS?] (Steve Federly): Valley Aging is "extracting" data on seniors for use by GIS.

Michigan State Police ([illegible]): Teams are out now, matched with sheriff personnel. were set up on : is the primary and is the secondary channel.

Michigan Department of Corrections (Brent Travelbee): Teams are in the area, assisting. A 50' truck was delivered to the food bank. Local shuttle bus will start tomorrow in the area, able to take about 20 persons at a time to obtain resources.

Michigan National Guard (Chad Randall): Some soldiers are to help at distribution points. Just one per location. MING leaders meeting with Flint mayor today.

MDTMB (Jeannette Doll): There is [some sort of unclear] issue with the Court Street warehouse...something which sounded like it involved its seller having a $2 million liability on it. Might need a food-grade warehouse [not sure whether I heard this phrase correctly]. Working on resource requests and replacement cartridges and water.

MSP SEOC Logistics (Penny Burger): Every agency remember to update past assignments and resource requests in MI CIMS. There's been a request for a budget projection of total costs for this year, which would be hard to do more than just guess at right now.

Recovery Team (Brianna Briggs): "Water Resource Teams" are in the field—that is their official name and is to be used. Could place and maintain an extra 15 teams in the field (Friday). Working with Red Cross to assemble real-time data from "pods" at the fire stations.

PIO/JIC (Nicole Lisabeth): Set up [something, could not make it out]. Good media reports at 11pm last night. Monitoring media and clarifying the role of the MI National Guard, who are at resource sites, not going door to door. Red Cross is dealing with distracting media personnel at water distribution sites. Flint's bus system is now including water resource sites on its routes. Arabic-language information card is proceeding ahead, and logo/branding of water resource teams is being worked on. There was some sort of Legionnaire's Disease report in the media today, according to MDHHS.

MSP SEOC Planning section (Amada Bresler): Resource list to integrate with fire stations and local EOC info. The next briefing is at 4pm today.

DCDS Hours Entry by Coding Block

(Last revised 1/28/14)

To change your default entry to Hours by Coding Block Entry:

1. Log into DCDS.
2. Select Options.
3. Check Hours by CB (Coding Block) Entry to change your default.

To enter **work** Hours by Coding Block (regular, overtime, comp time earned, etc.):

1. Open your time sheet as you normally do.
2. You should see an Hours Entry by Coding Block section above the time entry section. *The blue line is the active line.*
3. Click your cursor in the AY box and enter the last 2 digits of the appropriation (fiscal) year.
4. Tab to Index and enter your Index number.
5. Tab to PCA and enter the PCA associated with work you did for the number of hours worked that you worked on it.
6. Move down to the time entry section and select the appropriate Hours Type.
7. Tab to the appropriate day and enter the number of hours associated with the PCA you entered above.
8. Enter daily comments for each Hours Type.
9. Select Save.
10. At the end of the pay period, select Submit.

To enter hours for holidays, comp time used, annual leave, sick leave, school & community leave, bank leave time used, administrative leave, initial leave, jury duty, Plan A:

1. Check the "std" (standard coding) box under the Hours Entry by Coding Block section.
2. Move down to the time entry section and select the appropriate Hours Type.
3. Tab to the appropriate day and enter the number of hours.
4. Enter the required information for school & community leave. Required information includes all of the following: 1) name of the school or community activity sponsor; 2) name of the event; description of the volunteer services performed; and 4) the time period that the employee performed the volunteer services.
5. Select Save.

6. At the end of the pay period, select Submit.

To view your time sheet:

1. Select Reports.
2. Select Employee Data Collection.
3. Selection Option B - Detail Time (or Option A - Coding Block Detail Time).
4. Enter Department 55.
5. Enter Agency 01.
6. Enter TKU 044. (EMHSD)
7. Select the PP (pay period) End Date.
8. Select OK.

Flint Water FY 2016 Supplemental Budget Request

1. $1 MHlion for Filters

The $1 million for filters will b used to purchase filters for households in Flint that do not qualify for assistance under any of the DHHS assistance programs. Fliters for those residents will be paid for out of funding already in place in DHHS' budget. Each filter is $20 and they were ordered in bulk through Home Depot. Filters are being distributed through local public health departments, with documentation flied for each filter handed out.

2 $6 Million for switch from Flint River to DWSD

The City of Flint estimates it will cost the City an additional $1.3 million per mpnth to use DWSD instead of the FIJnt River. The State and the City agreed to split the cost through June 2016, when the new Karegnondl Water Authority will be completed and Flint will switch to that water source. ($1.3 million for 9 months)

3 $1.35 Million for resources to do community Lead Exposure Testing DEQ,

DHHS and LARA are assembling a team to go into schools, childcare facilities, and other high lead exposure health risk locations to test and follow up on lead exposure.

4 $1 Million for evaluating sample results at the State Lab

The new testing protocols for schools will require each faucet in the school to be tested and evaluated at the State lab. In addition, lead exposure testing in homes will re mlt in tens of thousands more samples that will be need to processed. Each sample costs $26 to process.

Total Ask: $9.35 Million, $7.15 GF

6Jan16

Department of Environmental Quality
Drinking Water Program Budget Request
December 22, 2015

Appropriation	FTEs		Amount
One-Time (2016 Supplemental)			
City of Flint Emergency Water Services		$	3,900,000
• Support half of the cost for Flint to stay on the Great Lakes Water Authority water system for six additional months (July 1, 2016 - December 31, 2016) untilthe Karegnondi Water Authority pipeline is completed.			
• This request assumes the other 50% of the costs to stay on the existing system will be supported by funding from local partners.			
• There may be additional costs for Flint to connect to the Karegnondi Water Authority water system. This request assumes those costs will be a local cost and not funded by the state.			
Total One-Time Funding		$	3,900,000
Ongoing			
Drinking Water and Environmental Health			
Staff			
Corrosion Control Specialists	3	$	450,000
Sampling Staff	2	$	300,000
Lab Staff	3	$	450,000
Service Line Verification Staff	2	$	300,000
Total Staff	10	$	1,500,000
Local Health Department Contracts and Testing Fees		$	1,000,000
Lab Equipment		$	300,000
Travel		$	100,000
Other Supplies and Services		$	100,000
Total Ongoing Funding		$	3,000,000
Total Fundin9 Reguest		$	**s,900,000**

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DISTIICT 9

October 1,2015

Publfc Health Emergency Declaration for People Using the Flint City Water Supply with the Flint River as the source

The County is issuing an Emergency Advisory recommending that people not drink the water coming from the City of Flint us1ng the Flint River as the water source unless:

It has been tested to assure Itdoes not containelevated levels of lead.

It is being filtered through a National Sanitation Foundation (NSF) approved filter certified to remove lead that meets ANSI standard 53.

Findings reported in the Detroit Free Press September 30, 2015indicate that Governor Snyder has publically acknowledged that Flint's water supply "appears" to have problems. Snyder has conceded that "it appears that (water) lead levels could be higher or have increased," and thilt there are "probably things that weren't fully understood when the switch was made." This Is in direct contrast to previous reports from the State that downplayed the severity of the situation and conflicted with local data released by researchers at Hurley Medical Center.

Young children are most vulnerable to leads effects, because prior to age six, their brain and central nervous system are still forming and easily susceptible to damage. For an adult to suffer significant health effects, exposure to lead would have to be sustained and morelntense. Most adults who are affected by lead have been exposed in an occupational setting, such as working as a house painter or in a battery recycling plant.

Pregnant women are at special risk because the le.id they absorb crosses the placenta and enters the fetus.

It's important to remember that there Is no known safe level of lead in a human body, Experts now use a reference level of 5 micrograms per deciliter to identify children with blood lead levels that are much higher than most children's levels. This new level is based on the U.S. population of children ages 15 years who are Inthe highest 2.5% of children when tested for lead in their blood.

lead in water can contribute to a child's blood lead level. The Michigan Department of Environmental Quality, who regulates municipal water supplies, has assured us that the water leaving the Flint Water Plant meets all Federal and State requirements. The City of Flint has a documented problem with lead in its drinking water due to service and household lines that may contain lead or lead solder which can leach lead because of the corrosivity of the water since changing to the flint River as the source supply. Generally, those who are most vulnerable

to leads health effects from exposure to unfiltered tap water are the very youngest children. .For this reason, if you are not sure about the lead content In your tap water, it's best to either use a filter that has been found to be effective for reducing or eliminating lead, or to use bottled water instead. Water filters should be National Sanitation Foundation (NSF) certified to remove lead and meet ANSI standard 53. If these options are not available to you, then it's best to let the water run for at least five minutes before using it for either drinking or cooking purposes. Always use cold water instead of hot water for drinking and cooking.

It's especially important to avoid using untested or unfiltered tap water for mixing Infant formula unless you can assure your water is lead free.

When leaded gasoline was In widespread use In this country, the lead came out the tail pipe and was deposited in yards near the roads. That lead may still be in those yards. In addition, lead paint continues to be a major source of childhood lead poisoning and can be found in homes built before 1978 when lead paint was banned in the U.S. and may be a hazard inside and outside the home especially where paint is worn or flaking.

There *are* many other potential sources of lead exposure, including:

- "Home remedies" and cosmetics Imported from other countries
- Tamarind or chili-based candies from Mexico
- Stained glass windows
- fishing sinkers
- Firing ranges
- Old, deteriorated mini-blinds
- Bean pots and painted ceramics
- Crystal decanters
- Lead crystal glassware

Since no safe level has been Identified it is in everyone's interest to reduce exposure to lead as much as possible. Recommendations on ways to reduce lead exposure can be found on the Genesee County Health Department website www.gchd. us and Center for Disease Control and Prevention website: http://www.cdc.gov/nceh/lead/tl ps.htm ,

Recent data provided by Hurley researchers has Indicated a significant increase in blood lead levels in children after the switch to Flint River water. The County Health Officer has requested that MDHHS provide specific data to support their claim that state data is more comprehensive and does not show a significant increase. To date the state has failed to provide the requested data by the September 30, 2015 deadline In our previous request to the state.

COUNTY OF GENESEE

BY: _____ Date: 10-1-15

Jamie W. Curtis, Chairperson
Board of Commissioners

BY: _____ Date: 10-1-15

Brenda Clack, Chairperson
Human Services Committee
Board of Commissioners

BY: _____ Date: 10-1-15

Bryant W. Nolden, Vice Chairperson
Board of Commissioners

GENESEE COUNTY HEALTH DEPARTMENT

BY; Mark Valacak Date: 10-1-15

Mark Valacak, M.P.H.
Health Officer

Flint Water Crisis
Community Volunteer Resource Center
Event-Based Volunteer Engagement
STANDARD OPERATING GUIDELINES

PURPOSE:
The purpose of these Standard Operating Guidelines is to provide guidance and a standardized methodology for decision making in support of the Volunteer Resource Center (VRC) established by the American Red Cross of Michigan, The United Way, and other partner agencies for Event-Based Volunteers of all qualifications.

ASSUMPTIONS:
Volunteers who are not registered with the American Red Cross will comprise the bulk of volunteers who come to this reception center.

SCOPE:
The standard operating guidelines include the activation, responsibilities, policies, staffing, records, communications, equipment, and closing procedures to be used by the Volunteer Management Support Team. Circumstances and conditions may require the Volunteer Management Support Team to deviate from these standard operation guidelines and make decisions that deviate from these standard procedures.

1. **ACTIVATION**
   1.1. Activation will be in accordance with the Regional Disaster Plan

   1.2. Upon notice of potential activation, the Volunteer Management Support Team Supervisor will deploy to the Staffing function at DRO headquarters and will notify the Volunteer Management Support Team of their alert status.

   1.3. Upon notice of activation, the Volunteer Management Support Team Supervisor will assess support requirements and activate the Volunteer Management Support Team in as per the anticipated need.

   1.4. The Volunteer Management Support Team Supervisor will be responsible for alerting and activating the Volunteer Management Support Team staff

2. **RESPONSIBILITIES AND POLICIES**
   2.1. The Volunteer Management Support Team Supervisor will provide guidance and priorities to the Volunteer Management Support Team staff in accordance with directions from the Emergency Management Command Staff and Michigan American Red Cross Emergency Management.

   2.2. Housing for Volunteer Management Support Team staff from outside the local area is not guaranteed and will be coordinated by the Volunteer Management Support Team Supervisor through the Staffing function at DRO headquarters.

2.3. Housing for spontaneous volunteers from outside the local area is not guaranteed and will be coordinated by the Volunteer Management Support Team Supervisor through the Staffing function at DRO headquarters.

2.4. Comfort/Feeding of spontaneous volunteers will be coordinated by the Volunteer Management Support Team Supervisor through the mass care function at DRO headquarters.

2.5. Volunteer Management Support Team functions include, but are not limited to:

- Welcoming and registration of unaffiliated volunteers;
- Skill determination through checklist and screening, background check & credentialing;
- Release of liability;
- Data entry;
- Work assignment;
- Identification for entry into work area;
- Safety briefing;
- Coordination of transportation to the work site.

2.6. Volunteers may be instructed to return to the Volunteer Management Support Team at the end of the work day to be released and/or for future assignment.

- Control of rental vehicles and the use of the privately owned vehicles of spontaneous volunteers will be the responsibility of the logistics manager.

2.7. Reception, Classification and Assignment of Volunteers.

- The Volunteer Management Support Team staff will receive spontaneous volunteers either as individuals or as part of groups who wish to volunteer. Volunteers will be asked to fill out a volunteer registration form including personal information and job skills.
- The Volunteer Management Support Team staff will screen each volunteer to verify data and any professional qualifications and will review any prioritized job requirements to determine a volunteer request match.
- When a volunteer is assigned to a job, the DRO Member registration form will be marked with the job assignment and filed with the request for volunteer form in an active file.
- An assigned volunteer will be provided a DRO Assignment sheet to the specific group and activity.

2.8. Identification of Volunteers for Entry into the Disaster Area:

- Once a volunteer is matched for a job, the volunteer will be given a Volunteer Management Support Team ID that will identify the volunteer, the location of the volunteer job assignment, and agency or department that has requested the volunteer as well as the date of authorized entry.
- Spontaneous volunteers will be required to get a current ID for each day that he/she enters the disaster area.
- The Volunteer Management Support Team Supervisor will furnish IDs to the Volunteer Management Support Team.

2.9. The DRO staff training function will provide a safety briefing and job training.

- Each volunteer will be given a general safety briefing relevant to the particular emergency. Specific safety information, as may apply to the assigned task, should be briefed by the group & activity.
- Specific job training may be accomplished by the Volunteer Management Support Team or by the receiving agency or department. The receiving agency will be responsible for special job training unless they have requested and coordinated such training with the Volunteer Management Support Team Supervisor.
- A complete and accurate record of safety and training briefings will be maintained by the Volunteer Management Support Team and the receiving agency.

2.10. Transportation Spontaneous volunteers will coordinate their own transportation to and from work sites.

2.11. At the close of business each day, Volunteer Management Support Team staff will be prepared to receive each volunteer that has been referred to a job, at the conclusion of the work day, to verify that the volunteer is physically safe and has exited from the disaster area. Reassignment for future work may be accomplished at this time.

3. Staffing Listed below are brief descriptions of the minimum positions that should be considered for opening the Volunteer Management Support Team.

3.1. Volunteer Management Support Team Supervisor:
- Manages the daily operations of the Reception Center including:
- Scheduling of Volunteer Management Support Team staff
- Set-up for comfort of the staff and efficient response to volunteers
- Briefs and assigns tasks to Reception Center staff
- Supervises key staff; monitors the operation
- Makes changes when necessary and coordinates with the Volunteer Management Support Team Supervisor regarding changing requirements.

3.2. Greeter:
- Greets and ascertains visitors needs and directs them to the appropriate location
- Assists prospective volunteers with completion of forms
- Stresses that there is no monetary compensation for the work performed
- Ensures that traffic flows as smoothly as possible.

3.3. Screener:
- Conducts a brief screening with a potential volunteer, verifies any professional qualifications and then refers potential volunteer to a job in a receiving agency appropriate to the person's abilities and interests
- Completes a DRO member registration and notes referral on the Volunteer Registration Form.

3.4. Staffing/Volunteer Management Support Team Trainer:

- Provides a general safety briefing to every volunteer that is referred to a receiving agency/opportunity. The briefing will include items about weather, use of gloves, drinking of water, and general safety and common sense. Provides general safety/health coordination including basic first aid at the Volunteer Management Support Team.

3.5. Data Coordinator:
- Collects, organizes and posts information about volunteers and referral
- Prepares daily reports to brief staff on number of volunteers referred, denied, unable to place
- Enters information from Volunteer Registration forms into the computer and prints reports.
- Responsible to the Volunteer Management Support Team Supervisor to ensure that the Volunteer Management Support Team Personnel Sign-In / Sign-Out register is maintained.

3.6. Coordinator of Agency Information:
- Coordinates receiving agency requests with Volunteer Management Support Team Supervisor, collects pertinent information from Volunteer Management Support Team Supervisor about needed volunteer assistance; briefs Volunteer Management Support Team staff regularly on requests.

3.7. Staff Wellness:
- Responsible for reviewing Pre-Assignment Health Questionnaire to ensure that volunteers are able to do the work assigned.

3.8. Additional Support: Additional support may be desired depending upon the emergency, duration of the emergency and availability of equipment and personnel. They may include:
- Phone Bank
- Data Entry
- Public Information – assigned by Incident Command at EOC
- Runners

4. RECORDS

4.1. The Volunteer Management Support Team will open and maintain an historical record of major activities or events, including opening and closing of the Volunteer Management Support Team and changes of personnel.

4.2. A record of personnel working in the Volunteer Management Support Team will be maintained on the Volunteer Management Support Team Agency Personnel Sign-in/Sign-out Form.

4.3. Daily Log Documentation will be completed and signed by all Volunteer Management Support Team Staff personnel daily. The Volunteer Management Support Team Supervisor will verify and sign all forms.

4.4. Disaster Relief Operations Pre-Assignment Health Questionnaire

4.5. All spontaneous volunteers will complete a background check within 6 days.

4.6. Disaster Volunteer Registration Form will be signed by registrant. The Volunteer Management Support Team staff will complete the bottom portion of the form and file the completed form with the Request for Volunteers Form when a referral to a receiving agency is accomplished.

4.7. Requests for Volunteers Form:

- The Request for Volunteers Form will be utilized by the Volunteer Management Support Team to track and fill requests for jobs from agencies or departments. Information will be received by the Volunteer Management Support Team Supervisor from a requesting agency. Requests received by the Volunteer Management Support Team direct from an agency will be referred back to the Volunteer Management Support Team Supervisor.
- Receiving agencies will furnish the information on the Request for Volunteers Form to the Volunteer Management Support Team Supervisor.

4.8. Placement Slip: A Placement Slip will be completed by the Volunteer Management Support Team Interviewer upon assignment of a volunteer to a receiving agency. The individual making the referral assignment will initial the slip in the box provided.

- The Placement Slip will be reviewed by the Volunteer Management Support Team
- The receiving agency will collect the Placement Slip, verify any special credentials, provide a job related Safety Briefing and maintain a record of the Safety Briefing.

4.9. Volunteer Sign-Out Register:

- The Volunteer Management Support Team staff will maintain a Sign-Out Register to be completed when a volunteer worker has completed work for the day and has returned to the Volunteer Management Support Team.
- This register records that the volunteer has exited the disaster area and is physically safe at the conclusion of the work day.
- The sign-out process permits the reassignment of a volunteer for the following days' work.

4.10. A record of volunteer hours will provide a cross-check for a record of volunteer hours worked that is to be maintained by every receiving agency.

4.11. Every effort will be made by the Volunteer Management Support Team staff to track the volunteer worker into and out of the Disaster Area and to record the workers hours. The Volunteer Management Support Team Safety Officer will document the attendance of each volunteer receiving the safety briefing using the Record of Safety Briefing

5. COMMUNICATIONS

5.1. Communications between the Volunteer Management Support Team Supervisor/EOC and the Volunteer Management Support Team are essential.

5.2. Volunteer Management Support Team Supervisor will provide priority guidance to the Volunteer Management Support Team Supervisor based upon EOC prioritization requirements.

5.3. The Volunteer Management Support Team Supervisor will provide the status of unfilled volunteer job requests to DRO groups and activities daily at 1030, 1530 and end of day or closing of the Volunteer Management Support Team for the day.

6. SIGNS AND EQUIPMENT

6.1. A list of recommended signs for possible use at the Volunteer Management Support Team.

6.2. A list of Equipment and supplies for the Volunteer Management Support Team.

7. CLOSING RESPONSIBILITIES

7.1. The Volunteer Management Support Team Supervisor will ensure that all Records and Logs will be closed and forwarded to the Volunteer Management Support Team Supervisor at DRO Headquarters.

7.2. Total work hours recorded on the Volunteer Management Support Team Personnel Sign-In / Sign-Out register should concur with the cumulative hours claimed on Daily log Documentation forms.

7.3. Total dollars recorded on Expenses Incurred by Volunteer Management Support Team should concur with the cumulative Material costs claimed on the Daily log Documentation forms.

7.4. The area utilized as the Volunteer Management Support Team will be generally cleaned and furniture and equipment returned to their normal location. Borrowed equipment/furniture shall be returned to its owner. Assistance to move/store purchased equipment/furniture may be requested through Logistics via the Volunteer Management Support Team Supervisor.

7.5. After Action Reports will be completed by Volunteer Management Support Team staff positions as defined in paragraph 3.2 through 3.8, at the conclusion of any activation and will be forwarded to the Volunteer Management Support Team Supervisor.

7.6. After Action Reports are due to the Volunteer Management Support Team Supervisor within 24 hours of de-activation.

American Red Cross

Flint Water Crisis
Community Volunteer Resource Center (VRC)
Event-Based Volunteer Engagement

Overview:

Damaged infrastructure and the leaching of lead into the city's water caused damage to public and private water infrastructure and has caused or threatened to cause elevated blood lead levels especially in the population of children and pregnant women. The water situation has resulted in an immediate threat to public health and safety and disrupted vital community services. The city, county and state have all declared a state of emergency and have begun distributing required resources on a city-wide level. Stakeholders, (ex. NGOs, faith-based organizations, businesses and government agencies), acknowledge that a critical component of the Flint Water Crisis response and recovery is a sustainable community volunteer staffing solution.

Purpose:

The purpose of the Volunteer Reception Center (VRC) is to leverage the community partner agencies' expertise recruiting and managing event based volunteers to address the staffing needs of government agencies, community partners, and stakeholders.

The VRC will:

- Expand the existing workforce to meet urgent staffing needs and encourage long term planning of EBV staffed: events, work sites, activities, etc...
- Help set the strategic direction for building, sustaining and delivering the response and recovery programs to facilitate individual, family and community recovery.
- Serve as a mechanism/tool to recognize, capture and focus the good will of the local, regional and national communities and their interest in supporting the city of Flint and its citizens.
- Acknowledge, capture and focus the good will of the local, regional and national communities to support the response and recovery of the city of Flint and its citizens.

Audience:

- Individuals or groups of event-based volunteers (EVBs).
- Community partners and stakeholders, (i.e. non-profit and faith-based organizations, businesses and government agencies).

Volunteer Expectations:

- Match the need of the assignment with the skill set and ability of the volunteer.
- Orientation, education, training, safety briefing and job assignment.
- Providing an efficient and effective volunteer intake process and satisfying work assignment experience.

VRC Operations
Hours: 9 a.m. to 7p.m.
Location: American Red Cross
1401 South Grand Traverse
Flint, Michigan 48503
Dial 2-1-1

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 13, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation - Elevated Threat/Alert Mode.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested for Lead 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- **EBL report through 1/12/2016**
  - **23 families contacted**
  - **16 EBL investigations completed.**
  - **16 Water sampling completed.**
  - **9 EBL Reports Received.**
    - **8 homes with lead dust hazards**
    - **3 homes with lead in soil hazards**
    - **7 homes with lead-based paint hazards**
    - **4 homes with lead detected in tap water**
      - **3 homes with lead water levels less than 5 ppb**
      - **1 home with lead water levels greater than 15 ppb**
  - **5 investigations scheduled.**
  - **5 applications received for the Lead Safe Homes Program, 1 family enrolled.**
- **1 home was found to have elevated lead concentrations (72 ppb) in water from a bathroom tap. The family has been advised not to use the tap for consumption or brushing teeth. An additional filter will be provided to the family and options for replacing the fixture will be explored.**

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- CM report through 1/8/2016:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 134 (0-5 year olds) and 12 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 3 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: 30 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **The Governor's office held a press conference on Legionnaires disease in Genesee County**
- **Blood lead level testing report through 1/8/2016 submitted to the JIC.**
- Dr. Hanna-Attisha provided the first set of requested data as approved by MDHHS IRB.
- The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.
- Additional Zip code-specific blood lead data on children in Flint was provided in response to a request from the MDHHS Director.
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

Filter report through 1/13/2016

	Received	Distributed	Remaining
Water Filters	22,000	13,008	8,992
Water Pitchers	720	409	311
Replacement Cartridges - Brita	19,400	3,367	16,033
Replacement Cartridges - PUR	5,706	375	5,331
Replacement Cartridges - Zero	375	205	170

Communications/Information Sharing – Linda Dykema, Eden Wells

- No updates.

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- EBL Investigation Support.

WIC No updates.

Healthcare/Providers No updates

DEQ Information - Linda Dykema as Liaison

- DLARA plumbers are replacing fixtures at Freeman Elementary School that were previously tested and found to have > 15 ppb of lead in the water. MDEQ will conduct a "deep flush" of the school plumbing since many lines have been unused for several months. MDEQ will then retest of the water from the new fixtures to confirm whether or not these efforts have been effective in reducing or eliminating exposure to lead in the water.

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

OMB No. 1660-0009 Expires March 31,2016

REQUEST FOR PRESIDENTIAL DISASTER DECLARATION MAJOR DISASTER OR EMERGENCY

1. Request Date Jan 14, 2016

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R.. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).
Michigan	9,883,640

3. Governor's or Tribal Chief Executive's Name	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number
Richard D. Snyder	Captain Chris A. Kelenske Office: 517-333-5042 Cell:

5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number

Mr. Anthony Katarsky Office: 517-336-2686 Cell:

6. Declaration Request For: ☐ Major Disaster (Stafford Act Sec. 401) ☒ Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date _____ End Date _____ or ☒ Continuing

If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).

7b. Type of Incident (Check all that apply)

☐ Drought ☐ Earthquake ☐ Explosion ☐ Fire ☐ Flood ☐ Hurricane ☐ Landslide ☐ Mudslide

☐ Severe Storm (rain, high water, wind-driven rain, hail, lightning) ☐ Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) ☐ Straight-Line Winds

☐ Tidal Wave ☐ Tomado ☐ Tropical Depression ☐ Tropical Storm ☐ Tsunami ☐ Volcanic Eruption ☐ Winter Storm

☒ Other (please specify) Public Health

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

In early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to water from its own water treatment plant drawn from the Flint River as its primary water source. The different characteristics of the water resulted in leaching of lead from lead pipes in the city's water infrastructure into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Increased water lead levels and elevated blood lead levels in young children were observed in the City of Flint and confirmed by the State Chief Medical Officer. Based on the 2010 U.S. census data, the population of the City of Flint is 99,002. Census data puts the percentage of the total population under the age of 5 at 8% or approximately 8,200. Children in under 6 are high-risk stage of growth for lead exposure. Approximately 2,182 residents have been tested for lead blood levels as a result of this incident with 43 exhibiting EBL. The 2010 census data identifies 40,017 households and 51,321 housing units within the City of Flint. All of these households obtain their potable water from the city.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

All appropriate local, regional and state resources were used to their maximum in responding to and recovering from this public health emergency. This included equipment, personnel, materials and supplies, facilities, technical expertise (including emergency contracting, as appropriate), and financial resources. When local and regional resources (including partner voluntary relief organizations and other community-based organizations) were not sufficient to address incident conditions, or very specialized resources were required to perform specialized response and/or recovery functions, State of Michigan resources were activated to address capability shortfalls. State agencies actively involved in the response and recovery activities in the SEOC and/or field include the Michigan Departments of State Police, Agriculture and Rural Development, Attorney General, Civil Rights, Corrections, Education, Environmental Quality, Health and Human Services, Insurance and Financial Services, Licensing and Regulatory Affairs, Military and Veterans Affairs, Natural Resources, and Talent and Economic Development. Details are in the cover letter.

10. Joint Preliminary Damage Assessment*

☐ Individual Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

☐ Public Assistance Dates Performed **Requested** _____ **Start** _____ **End** _____

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)
N/A

11. Programs and Areas Requested

Individual Assistance ☐ N/A ☒ Individuals and Households Program ☐ Crisis Counseling Program ☐ Disaster Unemployment Assistance

☐ All ☐ Disaster Case Management ☐ Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. The Individual and Households Program will be needed to assist residents/water service customers with an estimated $53,000,000 to repair damaged lead service lines on private property.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).
N/A

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

**Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance ☐ N/A ☐ Debris Removal (Category A) ☒ Emergency Protective Measures (Category B) ☐ Permanent Work (Categories C-G)* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Townships of Mt. Morris, Flint and Genesee; Cities of Flint and Burton; County of Genesee
We request all available programs. Emergency Protective Measures have been and will continue to be implemented with estimated costs in the range of $41,000,000.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

N/A

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

☒ I do not anticipate the need for debris removal.

☐ I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

☐ I do not request direct Federal assistance at this time.

☒ I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

Emergency work and protective measures to save lives, protect public health and safety and to protect property, for state and local governments; including but not limited to the provision of food, water and other consumable commodities. Assistance from CDC, EPA, HHS, HUD, SBA and any other agencies with responsibilities related to health, nutrition, and water infrastructure.

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

State and local resources can not meet the demand for filters, cartridges, water, and water testing at each residence; or the physical and mental health or nutrition needs of the affected population of 40,509 households with approximately 99,002 residents. The city is not able to repair its water system and the state has responded, but the response needs far exceed the state's capability, in addition to continuing response to other disasters, including the 2014 flooding in metro Detroit.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

☒ N/A ☐ I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* ☐ Statewide **OR**

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.
N/A

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date April 23, 2019 b. Type of Plan ☐ Enhanced ☒ Standard

13. Other Federal Agency Programs

☐ I do not anticipate requirements from Other Federal Agencies ☒ I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C:** Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

☒ I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jan 5, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

☒ Cover Letter ☐ Enclosure A (Individual Assistance)* ☐ Enclosure B (Public Assistance)*

☐ Enclosure C (Requirements for Other Federal Agency Programs) ☐ Enclosure D (Historic and Current Snowfall Data)

☐ Additional Supporting Documentation _____

Governor's or Tribal Chief Executive's Signature

Jan 14, 2016
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

Not Required for Emergency Declaration Request

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 12, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation - Elevated Threat/Alert Mode.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested for Lead 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

<u>Elevated Blood Level (EBL) Environmental Investigations</u> – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/12/2016
  - 22 families contacted
  - 14 EBL investigations completed.
  - 14 Water sampling completed.
  - 7 EBL Reports Received.
    - 6 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 5 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
      - 0 homes with lead water levels >5 ppb
      - 0 homes with lead water levels >15 ppb
  - 6 investigations scheduled.
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.

<u>MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services</u> – Nancy Peeler

- CM report through 1/8/2016:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - **# offered CM: 134 (0-5 year olds) and 12 (6-17 year olds)**
  - # CM started: 25 (0-5 year olds) **and 3 (6-17 year olds)**
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) **and 3 (6-17 year olds)**
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: **30 (0-5 year olds)** and 1 (6-17 year olds)
- Weekly Flint Case Management call:
  - Discussed challenges regarding EBL investigations. GCHD reports that families are resistant to allowing EBL investigation for many reasons. Discussed providing participation incentives, potential of using texting to communicate with families, on-site EBL person, etc.

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **Blood testing data through 12/8/2016 pulled from the warehouse and summarized for inclusion in bi-weekly blood count report.**
- Dr. Hanna-Attisha provided the first set of requested data as approved by MDHHS IRB.
- The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.
- Additional Zip code-specific blood lead data on children in Flint was provided in response to a request from the MDHHS Director.
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

As of January 12, 2016				
	Remaining From Prior Month	Received	Distributed	Remaining
Water Filters	**3,585**	**7000**	**1549**	**9,036**
Water Pitchers	**485**	**0**	**181**	**304**
Replacement Cartridges - Brita	**7,525**	**10400**	**1815**	**16,110**
Replacement Cartridges - PUR	**5,632**	**0**	**293**	**5,339**
Replacement Cartridges - Zero	**370**	**0**	**192**	**178**

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Tuesday (8:00 am) briefing with DLARA and MDEQ.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model.
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.

WIC No updates.

Healthcare/Providers No updates

DEQ Information - Linda Dykema as Liaison

- **DLARA plumbers are replacing fixtures at Freeman Elementary School that were previously tested and found to have > 15 ppb of lead in the water. MDEQ will conduct a "deep flush" of the school plumbing since many lines have been unused for several months. MDEQ will then retest of the water from the new fixtures to confirm whether or not these efforts have been effective in reducing or eliminating exposure to lead in the water.**

Note 11 - Restricted Assets

The balances of the restricted assets accounts in the governmental, business-type activities, and component units are as follows:

	Governmental Activities	Business-type Activities	Component Units
Section 108 business loan proceeds	$ 381,539	$ -	$ -
Equipment replacement and improvement	-	-	252,929
Self-insurance	-	-	15,959,641
Revenue bond indenture held by trustee	-	-	21,056,173
Unspent bond proceeds	-	-	642,739
Revenue bond equipment replacement account - pooled cash	-	3,680,582	-
Debt service reserve - pooled cash	-	2,167,534	-
	$ 381,539	$ 5,848,116	$ 37,911,482

Note 12 - Risk Management

The City is a defendant in various civil and administrative legal actions arising during the normal course of its activities. In accordance with FASB Statement 5, *Accounting for Contingencies*, the City accrues for loss contingencies when it is probable that a liability has been incurred and the amount of the loss can be reasonably estimated. The city is exposed to various risks of loss related to property loss torts, errors and omissions, employee injuries, unemployment benefits, as well as medical and worker's compensation benefits provided to employees. The City has purchased commercial insurance for fleet equipment and tort claims, boiler and machinery, certain property and equipment damage and theft, employee theft, and limited tort claims for specific City facilities or events. See separate disclosures below for Hurley Medical Center.

The City Attorney protects the legal interests of the City by vigorously defending these actions. The City has estimated the claims that have been incurred through the end of the year, including both those claims that have been reported as well as those that have not yet been reported to the City. The estimate is based on legal counsel's recommendation and past settlement history. Often, the City Attorney negotiates expedient settlements on behalf of the City in amounts substantially less than the amount sought by the claimants. The City does not admit liability, however, in any of the cases settled.

The City has a commercial insurance policy that covers certain general tort liability. The per claim limit is $10,000,000 with a $3,000,000 deductible per occurrence and a $10,000,000 aggregate claim annually. The commercial policy covers public officials, employment practices, employee benefits, law enforcement, and commercial auto.

Risk management of component units

The Flint Economic Development Corporation is exposed to various risks of loss related to property loss, torts, errors and omissions and employee injuries (workers' compensation), as well as medical benefits provided to employees. The government has purchased commercial insurance for all claims. Settled claims relating to the commercial insurance have not exceeded the amount of insurance coverage in any of the past three years.

The Flint Downtown Development Authority is exposed to various risks of loss related to property loss, torts, errors and omissions and employee injuries (workers' compensation), as well as medical benefits provided to employees. The government has purchased commercial insurance for all claims.

›mmunity is exposed to various risks of
; and torts. The FAEC has purchased
claims and certain property damage and
to the commercial insurance have not
ırance coverage in any of the past three
reduction in coverage obtained through
the year.

›sed to various risks of loss, including
ient general liability claims. The Medical
revocable trust to assist in accumulating
ırance premiums and to pay claims.

ıt obligation

ı obligation related to the removal of
dings on campus upon reconstruction,
›f the buildings. The Medical Center has
d to the potential costs associated with
ıe amount of the liability cannot currently
ıddition, the range of time over which the
ıe obligation is unknown and cannot be
er currently has no plans or expectation
renovation that would require significant
nolition of the buildings. The Medical
ity in the period sufficient information is
ate the amount of liability.

Note 13 - Self Insurance

General liability

The self-insurance program for general liability is accounted for in the self-insurance internal service fund for claims not covered by the commercial insurance policy. The revenues for this fund's operation are reimbursements from various funds and a transfer from the general fund. Funds are charged for general liability insurance based on total budget. Losses, deductibles, legal and administrative fees are paid from this fund. The liability for known claims is estimated by City with assistance from the City Attorney.

The changes in the claims liability for the fiscal years ended June 30, 2014 and 2013 are as follows:

	Beginning Claims Liability	Current Year Claims and Changes in Reserves	Claims Paid	Ending Claims Liability
6/30/2013	$ 3,968,000	$ (1,493,470)	$ (978,754)	$ 1,495,776
6/30/2014	$ 1,495,776	$ 4,427	$ (863,873)	$ 636,330

Other types of risk are covered by commercial insurance. There were no insurance settlements that exceeded coverage in the last three years.

rance

r medical benefits provided to active benefits are funded on a pay-as-you-go out of the fringe benefits internal service ns and out of the retiree health care trust ns are administered by Blue Cross/Blue ıPlus of Michigan. Once the individual loss amount is reached. Reinsurance enefits. The City is protected from xcess insurance policy which provides specific contract with a $150,000 self- City did not have any claims in excess of ıg the year. The self-insured coverages were protected by specific stop-loss an unlimited excess with a $150,000 ides fully insured HMO health insurance of employees.

ıbility for the fiscal years ended June 30, :

urrent Year laims and hanges in Reserves	Claims Paid	Ending Claims Liability
22,103,342	$ (20,858,794)	$ 1,244,548
20,893,529	$ (20,835,792)	$ 1,302,285

active employee dental and eye care ı basis. The self-insurance program is administrator. All claims and benefits are ts internal service fund. The amount of une 30, 2014 was not material.

Workers' compensation

The City is self-insured for worker's compensation on a pay-as-you-go basis for claims up to $750,000, with reinsurance coverage provided once claims exceed $1,000,000 in the aggregate. The self-insurance program is administered by a third-party administrator. All workers' compensation benefits are paid out of the fringe benefits internal service fund. The claims liability for fiscal year ended June 30, 2013 was not material.

The changes in the claims liability for the fiscal years ended June 30, 2014 are as follows:

	Beginning Claims Liability	Current Year Claims and Changes in Reserves	Claims Paid	Ending Claims Liability
6/30/2014	$ -	$ 1,283,947	$ (453,953)	$ 829,994

Hurley Medical Center

The Medical Center's self-insurance retention is $6 million per occurrence annually with excess claims-made coverage up to $15 million annually. Claims in excess of $15 million are to be covered by the Medical Center. The Medical Center employs the use of an actuary to provide an analysis of the existing claims and to estimate the liability for incurred but not reported (IBNR) claims.

iabilities for claims and defense costs ended June 30, 2014 and 2013 are as

	2014	2013
year	$ 42,047,586	$ 36,699,882
ıbility	(5,065,051)	11,204,087
:penses	(2,118,473)	(2,070,833)
nents	(975,620)	(1,088,550)
	(549,099)	(2,697,000)
	$ 33,339,343	$ 42,047,586

s is reported in accrued expenses, both statement of net position. The long-term ɜ 30, 2014 and 2013 is $29,697,151 and ıe carrying amount of the insurance trust to $15,293,989 and $16,338,354 at June ɜly.

sured for workers' compensation claims. 3, the Medical Center has recorded long- ɔrkers' compensation of $1,610,787 and

Note 14 - Employee Retirement And Benefit Systems

Retirement systems

During the last fiscal year, the City closed out Flint Employees' Retirement System (FERS), the single-employer plan, and transferred approximately $270 million of assets to the Michigan Municipal Employees' Retirement System. The City participates in the various retirement plans as follows:

Michigan Municipal Employees' Retirement System

Plan description – The City participates in the Michigan Municipal Employees' Retirement System (MERS), an agent multiple-employer defined benefit pension plan that covers all employees of the government. The system provides retirement, disability and death benefits to plan members and their beneficiaries. MERS issues a publicly available financial report that includes financial statements and required supplementary information for the system. That report may be obtained by writing to MERS at 1134 Municipal Way, Lansing, Michigan 48917 or on the web at http://www.mersofmich.com.

Funding policy – The City is required to contribute an amount equal to a percentage of covered payroll which is determined based on a flat rate as determined by the actuary. Under the plan, eligible employees are required to contribute 0.0%-12.0% of earned wages to the MERS plan. The contribution requirements of the City are established and may be amended by the Retirement Board of MERS. The contribution requirements of plan members are established and may be amended by the City, depending on the MERS contribution program adopted by the City.

American Red Cross

Flint Water Crisis
Community Volunteer Resource Center (VRC)
Event-Based Volunteer Engagement

Overview:

Damaged infrastructure and the leaching of lead into the city's water caused damage to public and private water infrastructure and has caused or threatened to cause elevated blood lead levels especially in the population of children and pregnant women. The water situation has resulted in an immediate threat to public health and safety and disrupted vital community services. The city, county and state have all declared a state of emergency and have begun distributing required resources on a city-wide level. Stakeholders, (ex. NGOs, faith-based organizations, businesses and government agencies), acknowledge that a critical component of the Flint Water Crisis response and recovery is a sustainable community volunteer staffing solution.

Purpose:

The purpose of the Volunteer Reception Center (VRC) is to leverage the community partner agencies' expertise recruiting and managing event based volunteers to address the staffing needs of government agencies, community partners, and stakeholders.

The VRC will:

- Expand the existing workforce to meet urgent staffing needs and encourage long term planning of EBV staffed: events, work sites, activities, etc...
- Help set the strategic direction for building, sustaining and delivering the response and recovery programs to facilitate individual, family and community recovery.
- Serve as a mechanism/tool to recognize, capture and focus the good will of the local, regional and national communities and their interest in supporting the city of Flint and its citizens.
- Acknowledge, capture and focus the good will of the local, regional and national communities to support the response and recovery of the city of Flint and its citizens.

Audience:

- Individuals or groups of event-based volunteers (EVBs).
- Community partners and stakeholders, (i.e. non-profit and faith-based organizations, businesses and government agencies).

Volunteer Expectations:

- Match the need of the assignment with the skill set and ability of the volunteer.
- Orientation, education, training, safety briefing and job assignment.
- Providing an efficient and effective volunteer intake process and satisfying work assignment experience.

VRC Operations
Hours: 9 a.m. to 7p.m.
Location: American Red Cross
1401 South Grand Traverse
Flint, Michigan 48503
Dial 2-1-1

FEMA REGION V OPEN SOURCE SUMMARY (OSS)

Regional Points of Interest

Tuesday, January 13, 2015

REGIONAL WEATHER & IMPACTS

Frigid forecast for Tuesday night, Wednesday morning

(WTHR)

Indianapolis, IN: Central Indiana picked up another one to three inches of snow and gusty winds are blowing and drifting that snow. Travel will be tough through Tuesday evening. Winds will diminish overnight, with clearing skies. This is a recipe for a frigid start to Wednesday. Wednesday morning temperatures will be in the single digits, with wind chills near -10 degrees. Take precautions from the cold and remember your family, friends and pets. There will be some morning sunshine on Wednesday, with afternoon clouds in the forecast. A weak weather system will move across the northern half of the state and a few snow showers are possible north Wednesday afternoon and evening. Highs on Wednesday will be near 20 degrees. The temperature forecast is tricky over the next several days. Our latest analysis hints at milder air moving our way. We will forecast temperatures to go above freezing on Thursday and Friday. Temperatures will be the key to the precipitation forecast too, as another storm system arrives on Friday. Here is our thinking now. There will be some rain and maybe a wintry mix developing on Friday. This will change to rain before changing to snow later Friday into Saturday. This is a complex storm system and we will keep you updated. It will be cold enough for some snow showers on Saturday and Sunday.

Whiteout conditions cause crashes, close freeway near Holland

(MLive)

Holland, MI: The I-196 freeway in the Holland area is closed in both directions because of multiple crashes in what police described as whiteout conditions. Michigan Department of Transportation officials at about 3 p.m. closed the westbound lanes between Adams Street and M-40. Holland police said they expected the westbound lanes to be closed until at least 4:45 p.m. At about 2:30 p.m., the eastbound lanes at Byron Road were closed due to at least one crash. The extent of any injuries is not known. Heavy lake-effect snow is hitting the lakeshore area.

15 vehicles involved in pile-up crash on I-70 in eastern Indiana

(WTHR)

Richmond, IN: A chain-reaction crash on I-70 near Richmond shut down the interstate Tuesday morning and into the afternoon. It happened around 10:20 a.m. when traffic in the westbound lanes came to a crashing halt after blowing snow created white-out conditions. Marty Watral, a truck driver, said, "I couldn't see anything. We were slowed down to 35 miles an hour and you just couldn't see anything." Within seconds, there was a massive pile-up involving ten semi-trailers and five vehicles. Sgt. John Bowling with the Indiana State Police explained what triggered the crash, which occurred around 11:00 am. "What we know is that a semi was driving too fast for conditions. As he came across the overpass, he lost control and jackknifed across the highway," said Sgt. Bowling. Bowling said it set off the chain reaction, collision leaving three people hurt. While all were transported to a Richmond hospital, he said the worst injury was a broken leg. Sgt. Bowling said the call initially came in as 30 vehicles involved, but that was not accurate. While scores of vehicles were parked in the westbound lanes, approaching traffic was diverted to adjacent roads. I-70 eastbound also slowed to crawl as drivers paused to see the pile-up. Those stuck in it could do nothing but wait for the wreckage to be cleared, something that was expected to take several hours.

LAW ENFORCEMENT & CYBERSECURITY

Capital University says it's safe to return to student union after bomb threat
(The Columbus Dispatch)
Columbus, OH: Capital University says there is no danger at the Harry C. Moores Student Union, which was the subject of a bomb threat this afternoon. "All clear per Capital PD," read a tweet from the university at 3:44. The threat was called in to university police about 2:15 p.m., said Nichole Johnson, university spokeswoman. No other buildings were evacuated. Classes are in session at Capital but classrooms are on the north side of the Bexley campus, far enough away from the student union to be considered safe, she said. Several law-enforcement agencies responded and the student union was being searched, Johnson said.

EMERGENCY MANAGEMENT

Students return to southern Illinois school closed for week due to flooding
(Associated Press)
Wolf Lake, IL: Students are back in class at a southern Illinois high school after it was closed for a week due to flooding, taking time to discuss the effect of flooding on their families. Although waters have started to subside, Illinois in recent weeks saw flooding along rivers including the Mississippi, Sangamon and Illinois. Illinois Gov. Bruce Rauner issued state disaster declarations for 23 counties, largely in central and southern Illinois. Damage assessments are ongoing to see if any areas are eligible for federal assistance. Students returned to Shawnee High School Monday for the first time since flooding closed the Wolf Lake School, The (Carbondale) Southern Illinoisan reported. The school district runs along the Mississippi River, and most students live on flood plain. Eight of 10 students in teacher Jamie Nash-Mayberry's social studies class said they evacuated their homes, and about half said they helped pass sandbags to shore up levees. She asked her students to write down and document their experiences for historical record. Junior Abbey Livesay of Wolf Lake wrote about how she packed up her home that she has lived in since birth, and then drove to Grand Tower to help friends do the same. Junior Wyatt Hassebrock described how he split time between packing up his home and pulling 12-hour shifts at a farm, where thousands of bushels were being taken to higher ground. "It's a lot of stress to wonder, in three days, how do you haul 200,000 bushels?" Hassebrock said. "Well, when everybody pulls together, it can happen. And it did." Nash-Mayberry is behind the school's Levee Project that teaches students about the importance of levees. They write to local, state and federal officials, research fixes and raise money for local levee districts. Students told her that those lessons resonated as waters rose and said they felt anxious about their homes and school. With waters receding, students' fears have waned for now.

Door-to-door effort underway in Flint water crisis
(Associated Press)
Flint, MI: Volunteers and police carrying bottled water, filters and lead test kits knocked on doors in Flint on Tuesday, seeking to help residents in the Michigan city that's confronting a water crisis. State troopers and sheriff's deputies escorted eight teams as they trudged through cold temperatures and 3 inches of snow, with more falling. Flyers were left at homes where no one answered, giving the location of where to pick up the items later. "We plan to go every day this week and we'll continue until everyone has safe drinking water," state police Lt. Dave Kaiser said. They hope to get to 500 to 600 houses a day, Genesee County sheriff's Capt. Casey Tafoya said. Flint has about 99,000 residents in an estimated 30,000 households. The water resource teams are among a number of relief efforts started in the wake of Republican Gov. Rick Snyder declaring an emergency last week. For months, water drawn from the Flint River leached lead from old plumbing into homes after the city switched its drinking water in 2014 from Detroit's system to save money. Testing in October detected increased lead levels in residential water supplies and in children's blood. Exposure to lead can cause behavior problems and learning disabilities in children. Flint has since returned to Detroit's system for its water. The state auditor general and a task

force created by Snyder have faulted the Department of Environmental Quality for not requiring Flint to treat the river water for corrosion and belittling the public's fears. The agency's director stepped down last month.

Snyder activates National Guard to distribute bottled water and filters in Flint
(WXYZ)

Flint, MI: Michigan Gov. Rick Snyder late Tuesday activated the National Guard to help distribute bottled water and filters in Flint as it deals with a drinking water crisis. Snyder's executive order issued late Tuesday is intended to bolster outreach to Flint residents, where volunteers and police have been going door to door with bottled water, filters and lead test kits. Snyder said Monday the water situation is a "crisis" and last week declared an emergency. For months, water drawn from the Flint River leached lead from old plumbing into homes after the city switched its drinking water in 2014 from Detroit's system to save money. Testing in October detected increased lead levels in residential water supplies and in children's blood. Exposure to lead can cause behavior problems and learning disabilities in children. Flint, which has about 99,000 residents in an estimated 30,000 households, has since returned to Detroit's system for its water. The state auditor general and a task force created by Snyder have faulted the Department of Environmental Quality for not requiring Flint to treat the river water for corrosion and belittling the public's fears. The agency's director stepped down last month.

American Red Cross

Volunteer Workforce Requests

REQUIRED INFORMATION:

- Brief job description is required
- The requestor of the volunteers must understand they assume responsibility for the volunteer's safety and the volunteer's actions
- The requestor of the volunteers is responsible for managing and providing direction
- 48 hour advance notification required for request
- Reasonable expectations of the volunteer workforce

Today's Date:	
Requestor's Name:	
Requestor's Cell Phone:	
Requestor's Email:	
Who will be serving as the volunteer's supervisor?	
Where do volunteers report? (Name of Facility, Address, City, Zip)	
What Dates are volunteers needed?	
What times are volunteers needed?	
How many volunteers are needed?	
Who is providing transportation for the volunteers?	
Does the volunteer need to provide their own lunch or will the requestor provide meals, snacks and beverages?	
Are there any qualifications needed?	
Additional Notes:	
Submit Request to:	Justin.Bays@redcross.org

American Red Cross

Flint Water Crisis
Community Volunteer Resource Center (VRC)
Event-Based Volunteer Engagement

Overview:

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- Acknowledge, capture and focus the good will of the local, regional and national communities to support the response and recovery of the city of Flint and its citizens.

Audience:

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- Community partners and stakeholders, (i.e. non-profit and faith-based organizations, businesses and government agencies).

Volunteer Expectations:

- Match the need of the assignment with the skill set and ability of the volunteer.
- Orientation, education, training, safety briefing and job assignment.
- Providing an efficient and effective volunteer intake process and satisfying work assignment experience.

VRC Operations
Hours: 9 a.m. to 7p.m.
Location: American Red Cross
1401 South Grand Traverse
Flint, Michigan 48503
Dial 2-1-1

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The Michigan Department of Health and Human Services (MDHHS) continues to work closely with local partners to ensure that impacted individuals, especially children younger than six years of age, are being tested at the State Laboratory for elevated blood lead levels. Including working closely with the local primary care provider community and WIC clinics to emphasize the importance of blood lead level screening for children. A technical workgroup comprised of Medicaid data and public health surveillance experts have developed Medicaid specific EBLL testing goals. The department updated its data surveillance methods for blood lead level testing to ensure the most up-to-date, accurate information is being reviewed. Ongoing efforts include enhanced epidemiological disease surveillance. Results are made available through summary reports on the www.michigan.gov/flintwater website, indicating the number tested and with elevated levels. The MDHHS is partnering with the Genesee County Health Department to ensure families are being offered case management support, which incorporates environmental investigations. The state continues to distribute free water filters to Flint residents with replacement cartridges available at multiple locations. In October, community outreach was initiated for distribution of educational materials for parents, families, and healthcare providers in Flint. These materials were also distributed to all children in Flint schools highlighting the importance of blood lead level testing, effects of lead exposure and importance of nutrition. MDHHS has been proactively monitoring the Ready to Feed formula use and coordinating with manufacturers and WIC retailers to address any supply or distribution issues with infant formula availability.

Flint Data

- Total Flint Population: 99,002
- 40.1 % of the city's population lives poverty. Flint is the second most poverty-stricken city in the nation for its size, just behind Youngstown, Ohio.
- The state's poverty rate is 16.2 percent.
- Children age 0-17 living in poverty:
  - 2012: 31.8%
  - 2006:25.4%
- The median income for Flint residents between 2009 and 2013 was $24,834 a year. The state's median income was $48,411.
- Overall, Genesee County ranked 73 out of 83 counties for child well-being (with No. 1 the best in the state). For poverty, Genesee County ranked 69 among the state's 83 counties.
- In Genesee County, 55.5 % of students are eligible for free or reduced price school lunches compared to 38 % in 2006.
- Children age 0-5 eligible for Supplemental Nutrition Assistance Program (SNAP)
  - 2013: 47%
  - 2006: 35.4%
- 21.8% of students did not graduate on time in 2013.

MDHHS Program Data

City of Flint		
Program	**Cases**	**Recipients**
Food Assistance Program (FAP)	35,231	57,974
Family Independence Program (FIP) [TANF]	1,917	4,578
State Disability Assistance (SDA)	233	234
Child Development and Care (CDC)	1,406	2,607
State Emergency Relief (SER)	460	n/a
Medicaid (MA)	52,735	82,117

Mike Sobocinski's notes on January 12, 2015 SEOC briefing (9:30am):

MSP Resouce unit (acting planning chief?) Amanda Bresler: Reading IAP objectives. SEOC hours will go until 8pm, so 6pm agency situation reports are due. 2pm tactics meeting scheduled.

National Weather Service (Jim Askill?): Contacted Genesee County EOC and added them to the list of NWS contacts. Today's weather is "sloppy," with "off and on" lake effect snow. Some spots might see snow all day, other spots might not see much. Various bands produce spotty effects locally. Today, snow, low temperatures, and winds produce treacherous travel. Frostbite sets in within 15 to 30 minutes on exposed skin. About 1 to 2 inches of snow accumulation will be seen today, then "off and on" snow tomorrow during both day and night—one inch or less. After the next few days it should warm up a bit (to the freezing point?).

MSP SEOC Operations section (Jackie Hampton): Identified shortages need to be addressed: water filters and test kits. Another warehouse is being opened today. Need equipment at DHHS site (loaders, etc.) to move resources on/off vehicles. 9600 cases of water per day are being handled, so space is needed to stockpile that. GCARD (?) to eventually be used for staging only, when more space has been found.

DHHS (Jennifer ??): Currently at a level 2 activation. Processing the request for a warehouse facility. Must sort through the short and long-term storage needs. Distributing guidelines/message information. Also dealing with volunteer information (and organization – the availability of volunteers).

MDARD (Kay Fritz?): Updated guidance document re: food service establishments, and the document is being approved through the JIC. Animal shelters and related tasks are being worked on. Information is going out to veterinarians in Flint. Coordination occurring with Genesee County Health Department and Genesee County animal control. (She quickly reads off their list of actions.)

MDLARA (unknown person?): Doing work with ?plumbing chief? En route. [Didn't catch information clearly.] A list of home-based day care centers is available.

MDEQ (Jen Wolf): Refers to online links for approved water filters. 10,000 water test bottles are on order. Coordination with American Red Cross. More supplied ordered – another 10,000 water test bottles. Would like to always have at least 2,000 on hand, at the warehouse.

Capt. Kelenske: Make sure that the fire stations have what they need. That's the area that is farther from direct control (i.e. outside of state framework).

MDHHS (unknown speaker?): Logistics of coordinating with American Red Cross, etc. Given 10am ETA on truck with provisions from/to ?Home Depot? retail outlets. But it's more useful to be given a current location of the truck, rather than an ETA. About 700 (something – individual bottled water servings, I think?) were obtained and are being delivered.

American Red Cross (Paul Spotten?): Trying to increase staffing. Is it possible to reduce hours (stopping at 7pm) to accommodate the difficulty for volunteers during the cold weather? (Capt. Kelenske: Current

hours are 9am to 9pm, and will remain so.) Some warehouse teams have been established. Tomorrow, a volunteer reception center is opening.

MDHHS (Brian [redacted]): Teams are preparing for distribution activities, but the main current focus is on the procurement of water filters.

MI Dept. Of Civil Rights (Mark [redacted]): About 15,000 Spanish-language and 30,000 English-language palm cards exist. Would like to arrange deliveries to Our Lady of Guadelupe Church and to the Hispanic center. (Capt. Kelenske: Must deliver broadly to all faith based places at once rather than just to one or two specific ones.)

Office of Services on Aging ([redacted]): Delivery to 1400 addresses with seniors – meals, care management services. Working with the Genesee and Valley Area agencies on aging. Care management clients information obtainable from various senior agencies. Becoming aware of a citizen distrust of filters alone, with seniors requesting water in addition. State and local ombudsmen checking on nursing homes to verify the use of bottled water there—these facilities are all mapped in GIS, so the info is available. (Capt. Kelenske: Must broaden messaging to build trust in filters. Jackie Hampton: Are be able to test filtered water, to build that confidence? Jen Wolf DEQ: All samples received are being tested, so filtered water samples won't be turned back, but the lab doesn't want to ask for samples of filtered water. Nicole Lisabeth PIO: hadn't heard about testing filtered water – official info should be distributed if it's to be done.)

MSP ([redacted] in SEOC): Truck shipments, tracking on map, three or more trucks requested. Comparing deployment with supply.

MDMVA (Chad Randall[redacted]): Researching the resources available to fill requests.

MDTMB (Jeannette Doll): Reached out to Meijer, found that they'd already been shifting their filter supply toward their Flint stores. Checking into Amazon as another source. Three trucks with drives are to arrive tomorrow. A 50' trailer is to be procured. (Jackie Hampton: drivers needed 7a to 10p). Emergency can allow extension of the normal 14 hour limit that drivers can be on the road. About 30,000 palm cards being printed.

Capt. Kelenske: All state agency resources are available and can be brought to bear. Any resistance can be overcome through authorities of/in the SEOC. For example, "any" state employee can go door-to-door [i.e. minus those with physical/health limitations]. But logistics do need to be sorted through.

MSP ([redacted]) Team (Brianna Briggs): Presented info in Flint and answered questions. Two kits were given out in some cases instead of just one (per household), when concerns were brought up about filtered water quality. Local volunteers are many. If state agencies do need to eventually contribute more staff, they'll be notified.

PIO (Nicole Lisabeth): Currently stressing the use of filters as the most efficient way to secure good drinking water for each household, long-term. Backed by Dr. Eden Wells in this—announced at about 6pm last night. A warehousing and inventory management system ([redacted]) for an

inventory system. There's a parking issue re: media, but teams are getting out in the field, with instructions not to be delayed/distracted by media inquiries or activities. Teams are not to engage with media, but just to focus squarely upon their assigned tasks. All media are to be referred to the PIOs and the JIC. (Capt. Kelenske: A standard statement to this effect is to be used by workers—not even a "no comment" response, but that all media requests are to go through the PIO/JIC.) The Governor's office is sending daily emails to Flint, advising to use water filters, and that teams are going door-to-door. 2-1-1 is available to call there, a public service announcement (PSA) video has been made, a website is available. Working with Comcast to show the PSA video and to place filter instructions on a public access channel there. Billboards are going up in Flint to inform about the availability of 2-1-1 and of the website. Mailed cards are going out. Working on an Arabic translation for information cards. Getting information on churches to participate—by the weekend? Inquiries obtained regarding any Pb issues in other areas of the state. It's important to have city and county PIOs in the JIC. Some 2-1-1 rumors of lead in bottled water were dismissed/discouraged. Some calls were reported as being made to the FEMA national headquarters, involving concerned agencies such as the NAACP. Questions were also received on how corporations can make donations. (Capt. Kelenske: 2-1-1 is very important. Verify the staffing and system in place there; minimize chance of a shortfall.)

MSP Planning (Amanda Bresler): Updating the 204 form. Working to improve the local tracking sheet for resources at Flint area fire stations.

Local EOC (Mark DuCharme): Volunteers are needed at both warehouses. Don't refer to the new warehouse as "Diplomat" – because there is an existing business it may be confused with.

Capt. Kelenske: Give that warehouse a generic name, not even "DHHS warehouse." Overall, fine job so far. Focus on what we <u>can</u> do, and remember to take a breath or to step back occasionally so that there aren't problems with stress interfering. The smallest detected slip will be portrayed as a significant news event. The next state agency update will be at 4pm at the latest – might occur sooner.

Mike Sobocinski's notes on January 11, 2015 SEOC briefing (9:30am):

MSP Planning Section Chief Tom Weber leads the meeting, reads list of objectives from IAP. A state agency briefing is occurring every afternoon now. The SEOC was open on both Saturday and Sunday this past weekend.

MSP EMHSD Jackie Hampton: Agencies need to stay focused on completing form 204 and their critical tasks. Those who are speaking in the SEOC should now stand to present their information into the microphone.

National Weather Service (Jim [redacted]): During the next 48 hours will get challenging. Fairly tame light snow right now, but from 8pm onward there will be more snow coming in with winds. About 2 to 3 inches are expected in the Flint area from 5pm today to 8pm tomorrow evening. The expected temperatures will be in the teens. Blowing snow will mean that it will be hard to keep roads clear, creating hazardous travel conditions. Temperatures will be cold and will result in wind chill factors below 0 degrees F. Frostbite would be expected on skin exposed for times less than ½ hour. From Wednesday to Friday, only occasional light snow is expected, but the cold temperatures will continue.

MDHHS (Jennifer [redacted]): The CHECC has been opened, with a partial activation. Subject matter experts will be brought in as needed.

MDARD (Justin Henderson): He refers to yesterday's update [as if everyone was here yesterday], and no change to that update. [Several other agencies simply reported no significant change, or didn't mention anything that sounded specific and important enough for me to include here. Some phone-in agencies might have been too brief or garbled to be included.]

MDEQ (Jen Wolf): Coordination between their lab and various other agencies (city of Flint, DTMB, MDARD, DHHS, etc.) on test bottles, kits, and instruction sheets. Seeking appropriate dispersion of bottles within Flint, to match actual local needs (rather than too many at locations whose needs are not as great as others').

MDHHS (Richard Thelen): Things are proceeding on track. Setting up for 1pm training at (site). Getting arrival time estimates on all orders, establishing filter quantities, gave some info to GIS for processing.

American Red Cross: Has staffed distribution sites at 5 fire stations, 9 churches, and helped to organize more (for water and filter distribution). Some larger sites are needed.

Adult Services (Steve [redacted]): Pulling together the list of addresses for Flint seniors who are at higher risk. Exploring the role that could be played by their nutrition network, in response to a "food desert" concern that was raised. The Department of Education feeds children. Better framing is needed for nutritional needs issues. (Jackie: DHHS is working on it.) [My comment: In my experience, the "food desert" concept was completely overblown, applying an exaggerated name and limited definitions that failed to recognize the true variety and accessibility of foods through various transportation options and exaggerating the low quality of food that is readily available locally, fixating upon particular ideas of raw fruits and vegetables while downplaying the substitutability of frozen vegetables, packaged mixes, etc.

But this is actually the topic that Kari Day had researched for her master's degree, and so we should make use of her expertise on this, if she's interested. I mentioned this to her as she was leaving for Flint and she did say that she's interested in coordinating and providing her expertise on the topic. My own views are merely rooted in theoretical and methodological skepticism, and my own experiences, but she is the one who's done actual research on the subject in Detroit, and although she might agree with some of my critiques, I might be off-base in others and certainly don't have her experience in researching the topic. There are legends circulating widely on this topic, typically involving a mythical Detroit grocer selling bad apples for $7 each, and I've pointed out at meetings that such a concept doesn't make any economic sense for a store owner, and that it makes no sense to dismiss the availability of cheap but nutritious frozen vegetables and decently fresh ingredients which are available at places like "Subway" – but the sole emphasis upon gardens and raw produce grocers, and the offhand dismissal of everything that certain researchers have labeled as "fast food" has horribly overstated the "problem" in most areas. At some point, these debates could be resolvable through actual data. Much of my own criticism stems from personal experience at finding nutritious foods while living in poverty for a couple of years without a car in the middle of Lansing. Although Lansing is obvious not a worst-case scenario, certain principles still apply elsewhere. If transportation available through bus routes, those who can use the bus usually have access to major grocery stores. For those who don't want to take a bus, various substitutes can be found which aren't considered in the dubious research designs I've seen on the subject. For those who are simply stuck at home, it might not matter if they have a garden and store one block away, since immobility is immobility.]

MSP (Matt Bolger): Tomorrow, there will be a walking tour in Flint. Electronic tablets would be useful for data entry, rather than the traditional paper forms.

MDTMB (Jeannette Doll): Cards have been printed for the Governor's conference this morning. Trucks are going to Flint, with transport arranged for all this week. Parking improvements are being organized.

Recovery Branch (Brianna Briggs): Working through MSP (Amy Dehner) and going to Flint to provide information, attend training session. Contact lists are being made for teams in Flint. Will coordinate with the JIC and PIO.

SEOC Logistics ([redacted] [person didn't stand]): Four new churches will serve as distribution points. People should specifically label new requests as such when entering/sending the info in. Do not use the Resource Tracking Board (in MI CIMS) to send notes to oneself.

SEOC Finance (Penny Burger): A hotel is set up for direct billing in the Flint area – unsure how many are traveling there. Would like lists of staff who might stay in Flint, to ensure that a room is available there. Some have made their own arrangements, which could be okay, but Finance can help with overnight lodging.

PIO (Nicole [redacted]): Flyer was sent to MDTMB. A Spanish version is being completed. 2:30pm County Office Building media briefing will take place in Flint. News release for that is going out today. Governor Snyder, Capt. Kelenske, and the MDEQ director are speaking, plus others. Video public service

announcement being arranged for Comcast Cable (30 seconds long), similar to radio PSAs—MDHHS worked on these, being broadcast soon.

SEOC Planning: 3:30 agency situation reports and summaries submission deadline. 4pm afternoon agency briefing will occur.

Tony Katarsky: Replacement staffing is underway. It's okay to not overwork, to take time off as needed, although the official leave time may feel limited at this time.

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 11, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

The Community Health Emergency Coordination Center (CHECC) is at Level 2 Activation - Elevated Threat/Alert Mode.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

<u>Elevated Blood Level (EBL) Environmental Investigations</u> – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/6/2016
  - **22 families contacted**
  - 14 EBL investigations completed.
  - 14 Water sampling completed.
  - 7 EBL Reports Received.
    - 6 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 5 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
      - 0 homes with lead water levels >5 ppb
      - 0 homes with lead water levels >15 ppb
  - **6 investigations scheduled.**
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.

<u>MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services</u> – Nancy Peeler

- Families that have moved to other counties
  - GCHD forwarded a list of 40 families they were unable to contact: CLPPP staff identified updated contact information for 39 of the 40 families and forwarded that information to GCHD on 1/5/16.
  - GCHD is utilizing the updated information. They have already identified a family that has relocated to Ingham County, and another that relocated to Florida. Nancy has reached out to Mark Miller to initiate contact with Ingham for follow-up with that family.
- CM report through 12/31/15:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 109 (0-5 year olds) and 6 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)

- # other disposition: 23 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **Dr. Hanna-Attisha provided the first set of requested data as approved by MDHHS IRB.**
- **Blood testing data through 12/8/2016 pulled from the warehouse: report pending.**
- The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.
- Additional Zip code-specific blood lead data on children in Flint was provided in response to a request from the MDHHS Director.
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

Filter Distribution 10/1/15 to 1/6/15			
	Received	Distributed	Remaining
Water Filters	15,000	11,587	3,413
Water Pitchers	720	251	469
Replacement Cartridges - Brita	9,000	1,704	7,296
Replacement Cartridges – PUR*	5,706	33	5,603
Replacement Cartridges - Zero	375	8	367

*The PUR replacement cartridges are being made available in all locations for the convenience of residents. Once the PUR cartridges are exhausted and more are needed DHHS will purchase additional ones. The current supply was given to DHHS and GCCARD by United Way.

Communications/Information Sharing – Linda Dykema, Eden Wells

- No updates.

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Began work on filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model.
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.

WIC

- No updates.

Healthcare/Providers

- No updates

DEQ Information - Linda Dykema as Liaison

- No updates

January ??, 2016

The Honorable Barack Obama
President of the United States
The White House
Washington, D. C. 20500

Through: Ms. Janet Odeshoo, Acting Regional Administrator
FEMA Region V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Michigan as a result of water system problems and their associated public health impacts within the City of Flint (Genesee County), since May 2014.

The current public health emergency involves serious problems with the water quality supplied through the city's system... (Describe physical human impacts – injuries/deaths)

(Describe voluntary agency assistance provided to Flint to assist with this issue: ARC and its level of operation, Salvation Army, Southern Baptists, MIVOAD, other agencies, municipal programs/shelters, etc. Include numbers and dates – cases, persons, amounts, etc.).

(Indicate the States of Emergency declared, by whom, and for which areas.)

(Describe physical damages which have occurred, utility and service disruptions, impacts upon people, effects upon critical facilities, other emergency conditions, health and safety hazards, status of repairs/improvements and their estimated completion dates, if known.)

(Provide information on PDA findings, how/where conducted, accessibility concerns.)

General background/context:
Throughout the 20th Century, several overarching trends affected cities throughout the United States, in ways which would eventually prove to be very challenging to historical central cities—especially Flint. Through the 1920s, long-established development patterns had involved the expansion of central cities through the method of "annexation," in which outlying lands officially became part of the city and thus became supplied with urban infrastructure which allowed for more intensive development. However, as various technological advances reduced the costs of the infrastructure required to support moderate levels of development in outlying areas, many of these urban fringe areas became developed without a full need for the central city's urban infrastructure. Traditional urban transportation requirements had also been transformed by the mass-production of affordable automobiles, allowing great increases in the distances over which people could commute to work each day. These general national trends tended to then be supported and institutionalized with various laws and policies, solidifying the independent strength of "suburban" developments around each historical central city. For example, Michigan's Charter Township Act of 1947 greatly enhanced the capacity of townships to resist annexation efforts, so long as they provided a suitable level of infrastructure and services on

their own. Other post-war policies included the Federal Housing Administration's support of suburban residential development, the construction of the interstate highway system which provided infrastructure to allow rapid transportation between the central and fringe sections of most major urban areas, and subsequent shifts of retail outlets (e.g. shopping malls) and employment centers (e.g. office and industrial parks) toward outlying areas where taxes were less expensive, land was more plentiful, and metro-area processes had led to suburban areas with concentrations of wealthier consumer and highly educated, specialized labor forces existed which made these suburban locations highly logical choices for new developments of these types.

Although the proliferation of suburbs had been consistent with certain kinds of democratic ideals, allowing more freedom of choice among area schools, municipalities with their own separate electoral processes and budgets and revenue systems, and various lifestyle choices associated with certain locations, there were also serious problems which these processes were creating. One was the development of segregation patterns, which had to be offset over the course of several decades with government action such as Shelley versus Kraemer (1948) and the Fair Housing Act of 1968. Urban planners worked with new principles and requirements involving equity, such as the spatial distribution of subsidized housing according to "fair share" principles, and also involving environmental justice, recognizing that some of the most heavily polluted and disaster-prone areas were tending to be those that were becoming disproportionately occupied by poorer residents and persons identified with ethnic minority groups. Many school districts shared some of the same boundaries which had divided central cities from suburbs, resulting in another set of institutional impacts which required corrective policies to adjust for, such as busing and later Schools of Choice programs.

Although it took only a couple of decades for the negative effects of these processes upon most central cities to become clear, it often took additional decades to start correcting some of their effects. Some of these have continued to this very day because of their complexity, and thus the political, economic, and organizational difficulties of addressing them effectively. Michigan has seen central city budgets shrink greatly along with declines in those municipalities' populations, land values, intensity of development, and tax revenues. A "vicious circle" has sometimes developed, in which declines of one type have gone uncorrected for enough time that related declines are caused or worsened, leading to the dilemma of how to stop such a negative cycle from continuing.

In the case of the City of Flint, it had grown rapidly during the early 20th Century and then saw its population peak in the 1960 census, at a population of nearly 200,000. From this peak, the population had dropped only slightly by 1970, but each decade thereafter saw the loss of more than 10% of the city's population. Today's population is estimated at only about 100,000—only about half of what it had been 50 years before. But despite the loss of important industrial plants and their associated jobs, most of this change in the central city was the result of a dispersion of population and resources across the broader metropolitan area, rather than from an overall metropolitan decline. Genesee County as a whole continued to have its population increase through 1980. As Flint itself lost about 37,000 persons between 1960 and 1980, Genesee County's population increased by about 76,000. Only then did the area as a whole start declining, sporadically and inconsistently, with the county sometimes registering slight

population growth, alternating with periods of larger decline. These simultaneous patterns are shown in the following data table:

	1930	1940	1950	1960	1970	1980	1990	2000	2010
Flint	156,492	151,543	163,143	196,940	193,317	159,611	140,761	124,943	102,434
Genesee	211,641	227,944	270,963	374,313	444,341	450,449	430,459	436,141	425,790
ratio	73.9%	66.5%	60.2%	52.6%	43.5%	35.4%	32.7%	28.6%	24.1%

As Flint was completing its mid-20th Century boom, its population grew substantially, except during the depression decade of the 1930s. During this time, the county as a whole was also expanding, at a somewhat faster rate than the city, so the proportion of the county's population found in the central city did decline during that period. However the city's shrinking proportion within its metropolitan area did not pose much of a problem as long as both the city and the overall area were growing. By contrast, the extent of central city population loss seen after 1970 was very serious, straining the city's budget to the point where an emergency manager was assigned by the governor (in 2011), providing greater authority to sort through the many challenges and shortfalls which had accumulated. Shrinking city revenues, budgets, and services seemed over time to lead to conditions and situations which directly affected the health of its residents—alarming rises in homicide rates, deterioration of the city's housing stock, an accumulation of brownfield sites, episodes of widespread arson, and the current public health emergency involving the city's water supply.

Central cities frequently provide important services and functions for their entire metropolitan areas, but as a result of 20th Century trends, such cities often bore increasing financial burdens while doing so, as many sources of tax revenue dropped off as residents moved to suburbs and increasingly shopped and worked in those suburbs as well. Even when businesses and people remained in the central city, tax revenues often shrank when overall property values declined within an increasingly suburban and exurban metropolitan environment. According to Flint's 2013 Master Plan (page 18), the daytime weekday population of the city increases to nearly 134,000 as a result of worker and student inflows. Thus, the city regularly supports traffic and services for more than 30,000 persons beyond those who are full-time residents of the city. During major events, this number is much higher. Flint falls into the category of city that has been called a "legacy city" (See *Rebuilding America's Legacy Cities*, edited by Alan Mallach in 2012 and published by American Assembly, Columbia University), caught in the problems of transitioning from its historic mid-20th Century manufacturing base into new roles for 21st Century health and success. It has been caught in a long-term trap of an aging infrastructure combined with dwindling municipal revenues. And although there are opportunities available by which the city might successfully make that transition, its current problems must first be overcome. (Mallach xi, 180-183) In order to offset mismatches between a central legacy city and the disproportionate wealth of the surrounding areas it serves, various planners and urban policy experts (e.g. Norman Krumholz, Myron Oldfield, John Rusk) have found that various forms of revenue sharing may be justified, greater integrating the central districts with the overall metropolitan area whose health is mutually intertwined, or finding ways to fund the health of essential central sections and infrastructure within existing political and organizational structures, networks, and capacities. Cities are legally "creatures of the state" and thus subject to the effects of state policy. Where past policies had resulted in an accumulation of fiscal

problems for central cities, new policies have the potential to help solve these same problems in the long-term. But first, the immediate threats to health for nearly 100,000 permanent city residents, plus tens of thousands of non-residents who make daily use of the city's resources, services, and amenities, must be corrected. The importance of the problems of aging city infrastructure has become clear, but the first step is to protect the health of the area's residents, as longer-term solutions continue to be developed with a keener awareness of the relationship between the health of each central city, and the quality of life for each broader metropolitan area and the state as a whole. A successful response to the current emergency will also help to inform the handling of similar challenges that might occur in other legacy cities, with this one crisis potentially providing the urgency and will to address related problems in other locations, lessening the potential for their infrastructure to produce a similar emergency-level situation.

The city's poverty rate is 2.67 times higher than the national poverty rate, and the city's median household income is less than half of that for the nation as a whole. Average unemployment rates within the city were nearly three times the national rates. A disproportionate number of the city's residents have disabilities (functional needs). Although the percentage of elderly residents is slightly below average, the opposite is true for the percentage of young children under age 5, and it is this age category that is most vulnerable to the effects of lead exposure. The percentage of children under 5 is higher in Flint than the respective percentages for Genesee County, the State of Michigan, and the United States as a whole. (Refer to the following table.)

Demographic Profile of the Affected Municipality

	Persons Below Poverty Level	Median Household Income	Children under 5 years	Percent Elderly (65+ years)	Percent with Disabilities	Percent Pre-Disaster Unemployment (5-year estimate)
National Average	15.6%	$53,482	6.4%	13.7%	12.3%	9.2%
State Average	16.9%	$49,087	5.9%	14.6%	13.9%	11.4%
Genesee County	21.2%	$41,879	6.2%	14.7%	16.1%	15.5%
City of Flint (Genesee Co.)	41.6%	$24,679	7.8%	11.7%	20.4%	26.3%

Data Sources
U.S. Census Bureau American Community Survey 2010-2014, Selected Social Characteristics in the U.S. (5 year estimates)

NOTE: The general direction I had started with my draft text was to historically frame this situation as the result of various trends that affected large central cities during the past 60-100 years, with the choking of central city resources eventually causing mismatches that would eventually have to be addressed. Thus, unlike so many previous administrations, Michigan recently actually undertook some significant actions to directly address some of these issues of budget, debt, bankruptcy, school district losses, etc. in historic cities like Detroit, Flint, Benton Harbor, Pontiac, etc. where huge population losses occurred primarily within the central city, while overall urban area growth continued and resulted in resource splits. Naturally, these references, deriving from a theoretical urban planning perspective, will need to be reviewed for their political feasibility.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"Equally troubling, the socio-economic profile of the affected counties and local communities found at Attachment 1 shows these areas are also some of the most economically-distressed in the region and therefore least able to recover from this flood disaster on their own. For example, in Wayne County, where over 23-percent of residents live below the federal poverty level, in the hard-hit cities of Dearborn, Detroit, Highland Park, and Inkster, the poverty levels all exceed 25-percent. In the City of Highland Park, the poverty level is closer to 50-percent. Three significantly affected Wayne County communities (i.e., the cities of Detroit, Highland Park, and Inkster) have median household incomes (at $26,955, $20,298, and $28,095, respectively) that are close to one-half of the state average of $48,471. In Macomb County, the City of Warren's poverty level exceeds 17-percent and its median household income, at $44,982, also lags nearly 8-percent behind the state average. The cities of Dearborn and Dearborn Heights in Wayne County both have poverty levels exceeding the state average, and median household incomes that are less than the state average. The cities of Madison Heights and Oak Park in Oakland County also experience those same conditions. Unemployment in many of the affected communities is also high. For example, all three counties have unemployment rates (at 9.6-percent, 8.4-percent, and 11.1-percent, respectively) that exceed the state average of 7.4-percent. (Unfortunately, Michigan's unemployment rate remains one of the highest in the nation, and well-above the national average of 6.2-percent.) The City of Highland Park has an unemployment rate that exceeds 23-percent, while the City of Detroit's rate exceeds 17-percent. As the table at Attachment 1 shows, several other communities particularly hard-hit by the flooding also have unemployment rates that exceed double-digits."

The following information is furnished on the nature and amount of State and local government resources that have been or will be used to alleviate the conditions of this emergency:

(Describe response actions by state and local governments. Describe any state/local Individual Assistance programs.)

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"In response to this flood disaster, I took appropriate action under state law and directed the execution of the Michigan Emergency Management Plan on August 13, 2014, in accordance with

Section 401 of the Stafford Act. On that same date, under my authority as Governor I also proclaimed a State of Disaster for the counties of Macomb, Oakland, and Wayne, including the local political subdivisions located therein, and directed state departments and agencies to utilize all available resources necessary to assist the aforementioned counties and local political subdivisions in responding to and recovering from this disaster. I must note that numerous state departments and agencies had already initiated response actions prior to my formal proclamation, in accordance with their assigned missions in the Michigan Emergency Management Plan. These actions included but were not limited to: providing direct assistance to the affected communities and to individuals; assessing the damage and impacts to affected state facilities, infrastructure, and services under their stewardship; and taking appropriate actions to keep those affected facilities, infrastructure, and services operational.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.
I have determined that this incident is of such severity and magnitude that effective recovery is beyond the capabilities of the State of Michigan and the affected local governments and that supplemental federal relief assistance is necessary. I am specifically requesting activation of both Individual Assistance and Public Assistance for the affected counties specified in this request, and activation of the Hazard Mitigation Grant Program for all counties within the state. Preliminary estimates of the types and amount of Individual Assistance and Public Assistance needed under the Stafford Act are tabulated at Enclosures A and B respectively.

(Provide the disaster history of the State over the past 12 months... List areas that have sustained damage from this event and other disasters in the previous 12 months, and include any other pertinent factors that would have a bearing upon the State's ability to respond, such as economy of the area, terrain, inaccessibility, or capacity of voluntary organizations active in disaster.)

(If Individual Assistance is being requested, provide detailed information on the impacted population, including percentage of insurance, percentage below poverty level, median household income, percentage of elderly, percentage of disabled, pre-disaster unemployment rates, and any other special populations [children under 5]. Include a comparison of the percentage of the state and local government averages and national averages. Indicate source of data cited.) NOTE: This data is provided in Attachment 1.

(If Public Assistance is being requested, provide a brief analysis of infrastructure damage by category, including the cost estimates for each category and the percentage of the total eligible Public Assistance cost estimate. Include a discussion of significant impacts to specific areas. If any local communities have sustained significant damage and have incurred extremely high per capita impacts, provide that information, especially if the localized damage is in the tens or even hundreds of dollars per capita. Discuss the level of insurance coverage.

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"Information regarding the nature and amount of state, local, and nongovernmental resources that have been or will be used to alleviate the conditions of this disaster can be found at Attachment 2, "Significant State and Local Response and Recovery Actions." Maps, weather and flood charts, and damage photographs related to this disaster can be found at Attachment 3, "Supporting Maps, Charts, and Photographs.""

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I certify that for this major disaster, the state and local governments will assume all applicable non-federal share of costs required by the Stafford Act. Total non-federal share expenditures are expected to equal or exceed $4,816,304, in accordance with the tables at Enclosures A and B."

NOTE: Green-highlighted text is not for this event. It is here as an example, and was from the 2014 metro-Detroit flood disaster request letter.

"I have designated Capt. Chris A. Kelenske of the Michigan State Police, Emergency Management and Homeland Security Division, as the State Coordinating Officer for this request. He will work with the Federal Emergency Management Agency on recovery program implementation and may provide further information or justification on my behalf."

Sincerely,

Rick Snyder
Governor

Attachments and Enclosures:

Attachment 1: Demographic Profile of the Affected Counties and Selected Local Municipalities
Attachment 2: Significant State and Local Response and Recovery Actions
Attachment 3: Supporting Maps, Charts, and Photographs

Office of Management and Budget Form No. 1660-0009
Enclosure A: Estimated Requirements for Individual Assistance under the Stafford Act
Enclosure B: Estimated Requirements for Public Assistance under the Stafford Act
Enclosure C: Estimated Requirements for Other Federal Agency Programs
Enclosure D: (Not Applicable to this Request)

CURRENTLY DISTRIBUTING WATER BY PICKING UP AT FOOD BANK OR WITH WEEKLY MASS DISTRIBUTION:

Agency	Site Address	City	Zip
Bolton and James Neighborhood Service	512 Leith St	Flint	48505
Christ Enrichment Center, Inc.	322 E. Hamilton Ave.	Flint	48505
Christian Love Faith Center	3202 Flushing Rd.	Flint	48504
Foss Avenue	1159 E. Foss Ave	Flint	48505
Greater Flint Outreach Mass	1114 University Dr	Flint	48503
Metro. Baptist Tabernacle	930 E. Myrtle Ave.	Flint	48505
Salvation Army - Beecher Corp.	1475 W. Coldwater Rd.	Flint	48505
St. Luke's Catholic Church	3115 Lawndale	Flint	48505

7080 Partners that want to

National
Voluntary Organizations
Active in Disaster

COOPERATION | COMMUNICATION | COORDINATION | COLLABORATION

Resource Guide

National VOAD Disaster Health Committee

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About this Guide: The National VOAD Disaster Health Committee Resource Guide aims to articulate activities provided by National VOAD members in the health sector. These organizations or agencies may or may not be responding to a disaster.

American Red Cross
2025 E Street, NW, Washington, D.C. 20006
Phone: 1-800-RED-CROSS/1-800-733-2767
www.redcross.org

The **American Red Cross** prevents and alleviates human suffering in the face of emergencies by mobilizing the power of volunteers and the generosity of donors. The American Red Cross—through its strong network of volunteers, donors and partners—is always there in times of need. We aspire to turn compassion into action so that...
...all people affected by disaster across the country and around the world receive care, shelter and hope;
...our communities are ready and prepared for disasters;
...everyone in our country has access to safe, lifesaving blood and blood products;
...in an emergency, there are always trained individuals nearby, ready to use their Red Cross skills to save lives.

Disaster Health Services

The Health Services (HS) function within Disaster Cycle Services prepares for, responds to and assists in recovery activities to meet the disaster-related health needs of individuals and communities. This step is achieved by working with Red Cross disaster leadership, other Red Cross activities, the health care community and governmental agencies.

The role of Health Services is to:

- Assist Red Cross chapters and regions prepare, respond and recover from disaster by building volunteer capacity and capabilities.
- Participate in building community resilience through partnering with community agencies.
- Assess disaster-affected individuals and communities to determine appropriate response and care needs.
- Provide care and support to persons who have disaster-related or disaster-aggravated unmet health needs.
- Assist clients in finding resources to meet disaster-related unmet health needs. These resources may include Red Cross financial assistance per Red Cross guidance.
- Participate in assessment, care and resource acquisition for clients with functional and access needs.
- Partner with other community, state and federal agencies to fill the needs of clients.
- Participate in disaster-related health research.
- Assist Staff Wellness with the care of Red Cross disaster responders when health related issues occur during a disaster relief operation.

Disaster Health Assets

Individual chapters and regions maintain a small supply of durable medical equipment and supplies for sheltering. The American Red Cross partners with the community, local, state and federal partners and the private sector to provide just in time health assets to our disaster affected clients.

AmeriCares

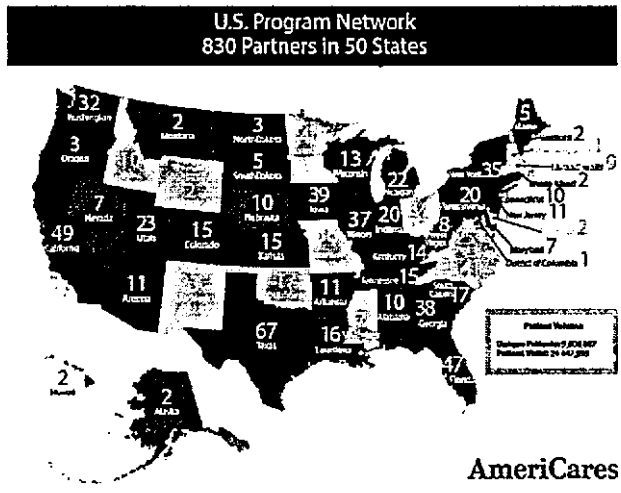
AmeriCares
88 Hamilton Avenue, Stamford, CT 06902
Phone:1-800-486-HELP/1-800-486-4357
Email: Info@AmeriCares.org
www.americares.org

AmeriCares is an emergency response and global health organization that saves lives and builds healthier futures for people in the U.S. and around the world. Every day, AmeriCares puts critically needed medicines in the hands of frontline health workers and develops innovative, sustainable health improvements in their communities. We are the leading nonprofit for delivering donated medicines and medical supplies to health programs around the world. We leverage this core competency with emergency preparedness, response and recovery efforts, and programs that improve health outcomes. Our programs increase access to care in more than 90 countries every year.

AmeriCares responds to an average of 30 natural disasters and humanitarian crises worldwide each ear, establishes long-term recovery projects and brings disaster preparedness programs to vulnerable communities. AmeriCares U.S. Program is the largest nonprofit provider of medical aid to organizations serving low-income uninsured patients in the U.S.

Disaster Health Services

- AmeriCares supports over 800 health clinics and community health programs serving the uninsured and underinsured nationwide with ongoing deliveries of medicines and medical supplies. In times of emergency, we increase aid deliveries to these safety net partners.
- AmeriCares maintains longstanding relationships with some of the world's largest pharmaceutical companies and medical supply manufacturers.
- AmeriCares partners with community first responders, health departments, emergency management offices, federally qualified health centers, free or charitable clinics, non-profit central-fill pharmacies, non-profit hospitals, social service agencies and others addressing the needs of communities impacted by disaster.



Disaster Health Assets

- Prepositioned donated medicines, medical supplies, and disaster relief supplies in our Stamford, CT warehouse that can be quickly mobilized Examples of aid include the following:
  - Prescription and over-the-counter medicines
  - Medical and surgical supplies (syringes, gauze, bandages, etc.)
  - Vitamins and nutritional supplements
  - Personal hygiene products
- AmeriCares Mobile Medical Unit is a 42 foot bus equipped with two exam rooms and on site, point-of-care lab testing that can be deployed anywhere in the United States.
- AmeriCares has the ability to fund flash grants for partners, enabling them to respond locally to critical needs.
- AmeriCares Emergency Response staff are trained in Resilience and Coping for the Caregiver (RCHC) and Pediatric Disaster Mental Health Intervention (PDMHI). These training programs support the community and local caregivers following a disaster.

Buddhist Tzu Chi Foundation
1100 S. Valley Center Ave.
San Dimas, CA 91773
Phone: 1-909-447-7799 ext. 500
Email: tzehuei@us.tzuchi.org
www.tzuchi.us

Buddhist Tzu Chi Foundation
In 1966, Dharma Master Cheng Yen established Tzu Chi Foundation in Hualien. With the spirit of self-discipline, diligence, frugality, and perseverance, Tzu Chi set out to help the poor and relieve suffering. Over time, the Foundation's mission started with Charity and extended into Medicine, Education, and Humanistic Culture. Tzu Chi originated in the remote Hualien area and expanded to all five major continents of the world with chapters and offices in 50 countries. Tzu Chi provides aid to over 90 nations. Its volunteers selflessly contribute through a mindset of gratitude, expressing their sincerest care and support to each and every individual in need.

Tzu Chi USA
In 1984, the Buddhist Tzu Chi Foundation in the U.S. registered as a non-profit 501(c)(3) organization in California. In 1989, the first office in the U.S. was established in Alhambra, California. There are now more than 60 offices and facilities in the U.S. with over 100,000 volunteer and donors working to make a difference in their local communities.

Disaster Health Services
Tzu Chi Medical Foundation takes direct action through a combination of medical outreach, mobile units and permanent clinics. A mix of volunteer healthcare professionals and dedicated non-professional volunteers work together for long hours to create a welcoming, safe and efficient resource for their patients.

- **Flying Doctors to the Rescue! Partnership**: Since 2012, Tzu Chi has collaborated with Flying Doctors, a California-based group that send medical staff wherever they are needed across the country.
- **Vision Care: A Clear Improvement:** Tzu Chi patients receive free eye exams and vision correction prescriptions, and can choose from several different styles of frames. After a short wait, they are presented with their new free glasses.
- **Flu Shots: An Ounce of Prevention is Worth a Pound of Cure**
- **Acupuncture: Freedom From Pain:** Tzu Chi offers free acupuncture treatment to help relieve undocumented workers and low wage earners suffering
- **Dental Care – Key to Overall Health:** Tzu Chi's clinics treat and repair dental problems, as well as educate patients on how to maintain proper dental to avoid future problems.

Disaster Health Assets
Four Permanent Clinics
Tzu Chi operates four permanent medical clinics, three in California and one in Hawaii. A fourth California clinic in Fresno is in the planning stages and medical outreach is ongoing and expanding throughout every region of the country. Tzu Chi's Permanent Clinic Locations provide affordable health services to families in need, all year round. Services include, primary medical care, dental care, acupuncture, women's health services and children immunizations.

Five Mobile Clinics: Three Dental Mobile, One Vision Mobile, One Cancer Screening Mobile

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Catholic Charities USA
2050 Ballenger Avenue, Suite 400
Alexandria, VA 22314
Phone: 1-703-549-1390
www.catholiccharitiesusa.org

Catholic Charities USA (CCUSA) is the national office for Catholic Charities agencies nationwide. CCUSA's members provide help and create hope for millions of people a year, regardless of religious, social or economic background. CCUSA provides leadership and support for the work of local agencies in their efforts to reduce poverty, support families, and empower communities. The Disaster Operations Division coordinates the Catholic Church's response to disaster in the United States and territories. CCUSA supports local Catholic Charities agency response and recovery efforts. These agencies provide critical services including emergency food, direct financial assistance, counseling and other support services.

Disaster Health Services

- In 2014, 4,354 clients received disaster-health services related to response or recovery grants provided by CCUSA.
    - In 2013, Catholic Charities agencies provided over 900,000 client health-related services. The CCUSA Disaster Operations team can only track the disaster health services provided through CCUSA disaster grant funding.
- These disaster health services include Behavioral Health Services (counseling, mental health and addiction services), Prescription Assistance, Pregnancy Services, and provision of durable medical equipment.
- Local Catholic Charities agencies provide health services through health clinics, dental clinics, Parish nursing, home health services, skilled nursing facilities, hospice, and intermediate care facilities.

Disaster Health Assets

- Licensed clinical counselors to provide mental health support.
- Prescription replacement services post-disaster.
- Durable medical equipment provision (eyeglasses, crutches, wheelchairs, etc)
- Access to healthcare providers through partnership with Catholic Health Association (network of 600 hospital and 1,400 long term care and other health facilities around the U.S.)

Corporation for National and Community Service (CNCS)
1201 New York Avenue, NW
Washington, DC 20525
Phone: 1-202-606-5000
Email: info@cns.gov
http://www.nationalservice.gov/

We are the **Corporation for National and Community Service**, a federal agency that helps more than 5 million Americans improve the lives of their fellow citizens through service. Working hand in hand with local partners, we tap the ingenuity and can-do spirit of the American people to tackle some of the most pressing challenges facing our nation.

We invest in thousands of nonprofit and faith-based groups that are making a difference across the country. We are AmeriCorps, Senior Corps, the Social Innovation Fund, the Volunteer Generation Fund, and more. We serve, we build, and we make an impact that changes lives and communities.

Disaster Health Services

During a disaster CNCS can call upon its AmeriCorps, National Civilian Community Corps (NCCC), and Disaster Cadre to help and organize. CNCS provides Organizational Support, distribution of supplies, debris clean up and Mold suppression, Health and Wellness checks, Volunteer Management, Client Management and Tracking, Public Situational Awareness, Support to Emergency Management, Support to VOAD, COADs, and LTRCs, Inter-agency Facilitation, Surge Capacity for Staffing and Support for Emergency Farm and Animal Care.

Disaster Health Assets

Individual Assistance

- ✓ Distribution of Life-Sustaining Supplies
- ✓ Direct Service
  - o Mold Suppression
- ✓ Health and Wellness Checks

Volunteer and Donations Management

- ✓ Volunteer Reception Center
  - o Establish and Manage Operations
  - o Database Management (homeowner intake and volunteers)
  - o Track Volunteer Hours
- ✓ Field Leadership for Volunteer Engagement
  - o Deliver training in safety and tasks
  - o Support volunteer housing/logistics
- ✓ Warehousing Support
- ✓ POD and Donations Tracking

Public Assistance

- ✓ Dispatch and Tracking of Donated Equipment

Community Outreach

- ✓ Damage and Other Needs Assessment
- ✓ Support to 2-1-1 or Other Call Centers
- ✓ Client Intake and Tracking
- ✓ Public Situational Awareness
  - o GIS Mapping Support
  - o Social Media
  - o Scouting
- ✓ Case Management
- ✓ Support for Multi Agency Resource Centers
- ✓ Transportation
  - o Emergency Transport
  - o Long-Term Moving Support
- ✓ Staffing for Staging Areas and Logistics
- ✓ Canvassing

Capacity Building

- ✓ Support to Emergency Management
- ✓ Support to VOAD, COADs, and LTRCs
- ✓ Inter-agency Facilitation
- ✓ Surge Capacity for Staffing
- ✓ Support for Emergency Farm and Animal Care

Direct Relief
27 S. La Patera Lane
Santa Barbara, CA 93117
Phone: 1-800-676-1638/
1-805-964-4767
www.directrelief.org

Founded in 1948, **Direct Relief** is a nonprofit, nonpartisan organization that improves the health and lives of millions of people affected by poverty or emergency situations by mobilizing and providing medical resources needed for their care. Each year, more than 150 of the world's largest medical and pharmaceutical manufacturers join Direct Relief in providing critically needed medical aid to people in need. Direct Relief works in more than 70 countries worldwide, and partners with more than 1,200 safety net health centers and clinics, representing 4,000 clinical sites in every state in the U.S.

Direct Relief provides targeted assistance to help communities prepare for and respond to emergencies. Safety net providers deliver essential healthcare services when a disaster strikes. Direct Relief partners with these facilities by providing specifically requested medications, supplies, and cash grants immediately following a disaster.

Disaster Health Services

Direct Relief employs commercial-grade technology for logistics, analytics, and operations to deliver and inform humanitarian aid in the most efficient and effective way possible, utilizing SAP's enterprise technology system.

Emergency response efforts are swift and efficient as a result of extensive partnerships with local, regional, and national associations, pharmaceutical manufacturers, and delivery support from FedEx. Direct Relief is in the unique position to offer appropriate emergency response due to:

- Partnerships with more than 1,200 safety net health centers and clinics across the U.S.
- A network of 150 corporate health care manufactures that donate medicines, supplies, personal care, and over-the counter items
- Years of experience in pharmaceutical distribution and accreditation through the National Association of Boards of Pharmacy

Disaster Health Assets

- Expert warehousing and distribution of medical goods
    - Experienced Emergency Response staff who can provide logistics expertise
    - Implementation of sophisticated supply-chain software from SAP allows Direct Relief to run highly efficient inventory management and logistics.
- Current and on-going relationships with 1,200 nonprofit clinics and health centers nationwide, who are often the first receivers in disaster situations. For more details, visit the interactive US Assistance Map.
- Extensive partnerships with local, regional, and national health center & clinic associations, pharmaceutical and healthcare manufacturers, and FedEx
- Through partnerships with analytics and mapping companies Palantir and Esri, Direct Relief integrates a broad range of relevant data for fine-grained profiling of humanitarian medical needs and rapidly evolving crisis situations

- Existing grant system to distribute financial support responders directly affected by a disaster or assisting with their community's local medical emergency response efforts.
- To prepare partners for emergencies, resources are pre-positioned ensuring essential materials are on hand when a disaster occurs. Direct Relief's emergency preparedness programs include:
    - Hurricane Prep Packs – mobile, waterproof packs that contain medical items to treat 100 patients for 3-5 days
    - Medical Outreach Packs -- backpacks that contain supplies and equipment that meet a variety of prevalent disaster-related health needs, including infection control, diagnostics, trauma care, and personal protection tools
    - Family Emergency Carte Kits – fully stocked personal care and hygiene items for patients in need

Headwaters Relief Organization
9400 Golden Valley Road
Golden Valley, MN 55427
Phone: 1-763-233-7655
www.headwatersrelief.org

Headwaters Relief Organization is a non-profit disaster relief organization. It developed as a grassroots response to Hurricane Katrina. Headwaters is comprised of nearly 1400 volunteers who assist with clean-up, re-building, medical and mental health support nationally and internationally. Headwaters has maintained a free mental health resource center since Hurricane Katrina in New Orleans' Ninth Ward. The organization also provides telecounseling services in partnership with several New Orleans non-profits. Since 2010, Headwaters has provided services to schools and orphanages in Haiti. In addition, Headwaters has worked with the educational ministries in both Haiti and the Philippines to develop children's disaster trauma related materials. Headwaters is a VOAD in Minnesota, North Dakota, South Dakota, Iowa, Wisconsin, Utah, Tennessee, Oklahoma, Ohio, Colorado and Louisiana, all states where we have business related interests. Headwaters has responded in multiple states to hurricanes, tornados, flooding, typhoons, both man-made and natural disasters.

Disaster Health Services

Headwaters uses medical teams to support their work in response to disaster. They have psychologists, social workers and other mental health professionals trained and available to provide mental health support. They have significant experience working with families and children during times of disaster. They have published books for children in Haiti and the Philippines and for those who have been impacted by Ebola. These educational materials assist children with processing trauma, consider loss as it relates to orphans and teach preventative measures. All of the books are accompanied by a teacher's guide.

Disaster Health Assets

- Well trained team of mental health staff
- Telecounseling services
- Multi-disciplinary volunteers who will assist with clean up and re-building as well as mental health support
- Resources with medical teams including physicians and nurses that will deploy with Headwaters
- Volunteers to provide security where needed
- Ability to develop educational materials on a national and international basis
- Partnerships on a national and international basis with government entities, mental health resources, faith-based, community and professional organizations, construction companies, educational institutions and businesses
- Cultural competence including interpreters and translation services.

Heart to Heart International
13250 West 98th Street
Lenexa, KS 66215
Phone: 1-913-764-5200
www.hearttoheart.org

Heart to Heart International strengthens communities through improving health access, providing humanitarian development and crisis relief worldwide. HHI engages volunteers, collaborates with partners and deploys resources to achieve this mission.

Since its founding in 1992, HHI has shipped more than $1 billion in medicines, medical equipment and supplies to partner organizations working in more than 100 countries, including the United States. When responding to crises, HHI collaborates with partner organizations, governmental entities and corporate donors to rapidly assess and identify needs. Based on identified need, HHI delivers shipments of essential relief supplies and deploys experienced and self-sufficient teams of credentialed health care practitioners, disaster response personnel and logisticians to facilitate the provision of direct patient care. HHI has responded to a variety of recent crises, including Hurricane Katrina, the Joplin and Moore Tornados, Typhoon Haiyan, the Ebola outbreak in West Africa and European Refugee Crisis.

Disaster Health Services

- HHI supports partner organizations working in communities throughout the United States with ongoing shipments of medicines, medical equipment and supplies. When responding to crises, HHI works with partner organizations in the affected area, along with relevant governmental agencies and corporate donors, to rapidly assess needs and deliver essential relief supplies.
- The HHI Mobile Medical Unit – an RV equipped with two exam rooms, fully stocked pharmacy and point-of-care laboratory testing – can be deployed for use by partner organizations in crisis affected areas to provide surge capacity or reestablish interrupted health care services.
- HHI can also deploy credentialed health care practitioners to work alongside the staff of partner organizations to provide surge capacity.

Disaster Health Assets

- A robust network of credentialed volunteer health care practitioners.
- Highly trained and experienced disaster response personnel and logisticians.
- The HHI Mobile Medical Unit – an RV equipped with two exam rooms, fully stocked pharmacy.
- Point-of-care laboratory.
- Essential medicines, medical equipment and relief supplies, including Personal Hygiene Kits.

PRESBYTERIAN DISASTER ASSISTANCE

100 Witherspoon St., Louisville, KY 40202
Phone: 1-800-728-7228 ext. 5839
Email: pda@pcusa.org
www.pda.pcusa.org/

OUT OF CHAOS, HOPE

Presbyterian Disaster Assistance

Presbyterian Disaster Assistance (PDA) is the emergency program of the Presbyterian Church U.S.A.

- The Presbyterian Disaster Assistance (PDA) National Response Team (NRT) members represent PDA following a disaster in the United States. They provide support, long-term recovery, disaster preparedness training, compassion fatigue training, care for caregivers trainings and emotional and spiritual care at the request of local Presbyterian organizations. In 2014, the NRT assisted with disaster recovery in 23 states to 41 natural and human caused disasters. NRT provided over 69 trainings and workshops throughout the country.
- The Presbyterian Disaster Assistance (PDA) Hospitality Program became a permanent program area in 2012 to provide hospitality to volunteer work teams following disasters. A network of trained hospitality volunteers works to assess hosting sites and help determine the hospitality model that will best match their facility to the recovery coordination. In 2014, there were 35 work team host sites in 9 states. 279 ecumenical and civic work teams worked 1,931 days giving over 267,840 hours of service.
- The PDA National Call Center coordinates PDA-related volunteer hosting sites and prospective volunteer work teams as well as managing distribution of PDA materials located at the Ferncliff Disaster Assistance Center in Little Rock, Arkansas. ((866) 732-6121)

Disaster Health Services

- **PDA National Response Team** consists of 100+ volunteer members who are deployed as needed in response to disasters, long term recovery or to provide trainings.

Disaster Health Assets

Gift of the Heart Kits (http://pda.pcusa.org/page/kits/) Offer hygiene, baby care, school, or cleanup supplies. More than 114,000 kits were distributed to partner agencies in the U.S. and around the world during 2014.

Southern Baptist Disaster Relief
North American Mission Board
4200 North Point Parkway
Alpharetta, Georgia 30022-4176
Phone: 1-770-410-6200
www.baptistrelief.org

The North American Mission Board is the National Coordinating entity for **Southern Baptist Disaster Relief**. Our network of 44 member organizations across North America respond to disasters world-wide working with local partners in all 50 states and in countries around the world. More than 70,000 trained volunteers and 1500 mobile units are available to respond to serve individuals and communities. We serve residents and emergency responders by addressing immediate emotional and spiritual care, food, temporary emergency childcare, and property cleanup needs. We work with national partners in areas of mass care (feeding and sheltering), as well as long term recovery issues.

Disaster Health Services

While not one of our primary response areas we do have Disaster Health Services assets that respond in disaster. We have teams of medical personnel trained to respond during disasters in CA, KY, NC, MS, OK, SC and VA. These groups participate in exercises and respond within their states in support of their local Emergency Management Agency. Their primary deployments in disaster are overseas to meet the needs of underserved populations. In addition to these teams of health care personnel, we have individuals across our North American network who deploy with responding teams (especially recovery and feeding teams) to provide health care for the team members.

Disaster Health Assets

7 Disaster Health Services Teams – (MDs, RNs, EMTs, Pharm. D. and support staff)
Equipment varies, most of our state partners have mobile medical/dental units that are used in underserved communities across their state. These are often available to the disaster response teams. The teams carry supplies and equipment dedicated to disaster response in trailers and set up inside available buildings or in tents.

DOING THE MOST GOOD

The Salvation Army
National Headquarters
615 Slaters Lane
Alexandria, VA 22314

The Salvation Army, an international movement, is an evangelical part of the universal Christian church. Founded in London England in 1865, The Salvation Army's authority was formalized in the United States when the organization was incorporated in 1899 as a religious and charitable nonprofit organization. The Salvation Army has a moral and spiritual mandate to provide emergency disaster services (EDS) without discrimination, by meeting the basic human needs of those who have been affected by disasters throughout the United States. The Salvation Army's emergency disaster services program extends from its holistic approach to service - by treating all people as created by God and demonstrating interest in each person. Part of The Salvation Army's mission is to "*...meet human needs in the name of Jesus Christ without discrimination.*" When disasters arise and in the midst of great pain, sorrow, trauma, and loss, The Salvation Army responds not only to the opportunity, but with a clear responsibility to address the physical, emotional, and spiritual needs of hurting people.

Disaster Health Services:

- Provides vouchers to replace prescriptions
- Provides in-kind durable medical equipment, when available (crutches, wheelchairs, etc.)
- Provides referrals to health resources in communities

Disaster Health Assets:

- The Salvation Army has Emergency Social Services offices in over 1,200 communities and serves low income families with a variety of resources (food, rent, utilities, prescriptions, in-kind durable medical equipment, and in-kind goods) year round. In that role, Salvation Army case-workers/case-managers are familiar with health services in each of their communities and can make referrals to appropriate health care resources during times of disaster response.
- National and local partnerships with faith-based organizations
- Distributes hygiene/comfort kits during disaster response
- Distributes Clean up kits during disaster response and recovery
- Over 500 Canteens available for dispensing essential aid directly to survivors of disasters.

Contact Information

Organization	*Name*	*Position*	*Contact Information*
American Red Cross	Mary Casey-Lockyer	Disaster Health Services Program Development	Office: 202-303-5898 Cell: 202-716-8656 mary_caseylockyer@redcross.org
AmeriCares	Kate Dischino	Associate Director, Emergency Response	Office: 203-658-9549 Cell: 203-278-9918 kdischino@americares.org
Buddhist Tzu Chi Foundation	Debra Boudreaux	Charity Department Director	Cell: 626-487-4849 tzehuei@us.tzuchi.org
	William Keh	CEO, Tzu Chi Medicial Foundation	Cell: 626-388-0798 William_keh@us.tzuchi.org
Catholic Charities USA	Fani Cruz	Program Analyst, Disaster Services	Office: 703-236-6225 fcruz@catholiccharities.org
Corporation for National Community Service (CNCS)	Jonathan Ottke	Disaster Cadre/Systems Administrator	Office: 202-606-6621 Cell: 202-246-3400 jottke@cns.gov
	Kellie Mattingly	Program Associate, NCCC	Office: 319-472-9664 x10 Cell: 202-815-5744 kmattingly@cns.gov
Direct Relief	Damon Taugher	Director of U.S. Programs	Office: 805-964-4767 ext. 112 DTaugher@directrelief.org
	Jenny Hutain	Emergency Preparedness & Response Coordinator	JHutain@directrelief.org
Headwaters Relief Organization	Dr. Rebecca Thomley	President and CEO	Cell: 612-501-4499 rthomley@orionassoc.net
	Ashely Emry	Executive Assistant	Office: 763-450-3783 AEmry@meridiansvs.com
Heart to Heart International	Brian Scheel	Director of Logistics	Office: 913-538-7931 Cell: 913-764-5200 brian.scheel@hearttoheart.org
Presbyterian Disaster Assistance	David Doehnert	National Response Team Member	Cell: 502-751-0424 kydonut@bellsouth.net
South Baptists Disaster Relief	Eddie Blackmon	Director, Disaster Response and Recovery	Office: 770-410-6372 Cell: 678-879-3285 eblackmon@namb.net
The Salvation Army	N/A	N/A	N/A

Scope

This report is an overview of actions taken in support of the creation of a comprehensive Geographic Information Systems (GIS) Strategy (SEOC Objective 6) during the initial SEOC operational period (01/06/2016 to 01/08/2016). This report focuses on the following tasks assigned by SEOC command staff:

- Task 1: Identify critical needs for maps and overlays
- Task 2: Identify current and potential resources for data collection
- Task 3: Contact and coordinate with identified agencies to obtain and centrally locate all data
- Task 4: Provide spatial analytics in support of SEOC

Based on the Command Emphasis on identifying priorities established in the initial IAP, EMHSD staff surveyed local GIS professionals to gain a baseline understanding of the status of existing data, systems, methods, and issues present with the current GIS infrastructure. The core participants in this survey included:

- Flint Department of Public Works
- Flint Water Maintenance Department
- Flint City Planning and GIS
- Genesee County GIS Department
- University of Michigan (U of M) Flint

Overview of Critical Local GIS Resources

Currently, there are three agencies involved in the management of GIS resources needed to effectively generate products in support of the Flint Water Emergency. Based on interviews with local GIS practitioners, these groups represent the only GIS staff identified as being available within local government to support this incident. The agencies include Genesee County GIS (1 Staff available), City of Flint GIS (1 Staff available), and the City of Flint Department of Public Works (1 staff available). These agencies have varying resources. The following were identified as critical to effectively create a comprehensive GIS solution. However, in order to effectively manage the Flint Water Emergency several of these systems will need to be upgraded, reconfigured, or further developed.

- Flint City ArcGIS Online Site – This system is fully capable of hosting all data, web-based mapping applications, and other GIS resources needed to support this incident for both government and public use. However, there is currently only a limited amount of content available and support from SEOC GIS staff is needed to bring several critical viewers online. Additionally, the City of Flint has a draft of an issues tracking system for public works that could be used to manage the replacement of the City's lead pipes.
- City of Flint's Department of Public Works Water Infrastructure Database – This database is incomplete and nearly 40 years out of date. The vast majority of data needed to bring this database current is only available in print. The Department of Public Works recently contracted U of M Flint to migrate the printed content into a computer based GIS format. However, work isn't projected to be completed until April of 2016 and does not include any service line changes from the past 35 years. As this is arguably the most critical dataset needed to address the Flint Water Crisis a focus of the next operational period will be to further investigate what is needed to fix this issue and provide recommendations to command that can make the data available in a more acceptable timeframe.
- Genesee County Water Filter Tracking System – Currently, Genesee County has developed their own internal tracking system to manage the distribution of water filters throughout the city. This viewer captures address information, but does not capture it accurately or associate it with parcel information that is needed to effectively plan filter distribution operations. Updating this system is a high priority before future resources are

deployed to ensure accurate and actionable data is being captured. As of the conclusion of this operational period approximately 15,000 records exist in this system. SEOC GIS staff has dedicated a significant amount of labor repairing the historic records, and continuing without rebuilding this tool is not sustainable without additional SEOC staff.

- Local Planning iPads and the Problem Spotter App – the city planning department has 30 iPads specially configured to do GIS data collection. Several apps have already been developed for the public works department to manage the update of utilities. However, the tools have not been fully deployed due to training gaps and issues with workflow. Locals discussed that they need support to bring these applications into production.
- Genesee County ArcGIS Online Parcel Viewer and Pictometry imagery viewer – This website can be used to quickly cross reference addresses to parcels and view properties on high resolution imagery.

Critical Needs for Maps and Overlays:

Several GIS key datasets were also made available and have been procured by SEOC GIS in preparation for developing a consolidated GIS data source. Critical Databases include:

- Parcels for City of Flint and surrounding municipalities
- City of Flint fire hydrant locations with date of installation
- Water Filters distribution table (spatial data currently unusable)
- Water Distribution Sites
- Water infrastructure issues report indicating failing or near failure water lines (non-GIS ready format)
- City of Flint Water Mains
- Miscellaneous Flint Base Layers
- City of Flint water service lines and curb stops (combination of printed maps and excel tables listing updates. No digital map data available.)

There are several key issues that must be addressed before this data can be efficiently mobilized to support large scale map production. Below is a priority list of items that must be fixed:

- ACTION ITEM 1: Update the Genesee County Water Filter Tracking System to self-validate addresses and append parcel ID's to effectively track water resources
- ACTION ITEM 2: Update and modernize the City of Flint's Department of Public Works Water Infrastructure Database by working with U of M Flint to expedite the scanning and digitizing of service line information
- ACTION ITEM 3: Use City of Flint Parcel data to determine house age and build estimates for service line lead materials based on standard installation dates
- ACTION ITEM 4: Implement an Asset Management System within Flint's Public Works Department and
- ACTION ITEM 5: Gather information of transmission line problem in the City of Flint water Systems that is causing water latency to the high risk lead exposure areas
- ACTION ITEM 6: Develop a rental properties map to display multi-tenant housing for use in filter distribution planning

Obtain and Centrally Locate All Data:

Based on discussions with all participating GIS practitioners it was determined that the Flint City ArcGIS Online Website is the best option for centrally hosting data. At the close of this operational period the SEOC was granted access to publish to this site. Next week efforts will begin to deploy the core datasets within this environment.

- ACTION ITEM 1: Employ Flint's ArcGIS for sharing and mobilizing GIS data between participating agencies
- ACTION ITEM 2: Ensure apps for mobile data collection are functioning as designed and develop training plan for public works personnel
- ACTION ITEM 3: Contact ESRI disaster response team to temporarily expand the capacity of GIS systems in support of the Flint Water Emergency

Provide spatial analytics in support of SEOC:

In order to effectively assess the scope of the Flint Water Emergency and prescribe action all map data must be able to link back to a master list of all existing addresses within the city. This facilitates the capacity to display where action is being taken while also showing areas in which issues still need to be addressed. During meetings with Flint GIS practitioners it was determined that the parcels are ideal to act as this keystone dataset as they already contain detailed contact information for both the resident and owner per the Flint equalization department. Using this strategy in conjunction with the existing Flint Mobile Collection systems, dashboards can quickly be developed for the city parcels using existing Flint GIS infrastructure and be utilized by local and state EOC staff to track the statuses in near-real-time.

- ACTION ITEM 1: Develop a database linking all flint street address to parcel ID's to facilitate cross referencing water filter information and lead issues with home owner contact information from Flint's equalization records
- ACTION ITEM 2: Utilize existing ArcGIS Online to create a live dashboard to quickly track status of key datasets

Other Critical Notes from Site Visits:

- Water Latency Issue: Flint DPW indicated that a water main within the city has been failing for approximately 10 years that provides service to the highest risk area of the city. They believe that several service cutoffs may have failed in a closed position blocking water distribution along those lines. As such, water to this section of the city is being routed along a much longer route to these homes on alternate lines. Recommend having a specialist from the state review this issue to determine if latency issues identified can be resolved.
- Service Lines Materials Issues: Flint DPW stated that during the growth of the city the vast majority of vacant parcels were fitted with service lines to the curb to the water main for use in future development. DPW estimates that approximately 80% of the city was developed using this method. Although residences may have records showing their service lines are non-lead, DPW believes that this short segment from the main to curb may still be lead. Flint began using copper in the mid-1950s. DPW recommended mapping mains emplaced post 1950 to eliminate parcels that do not have lead lines.

Cost Figures for Flint Water Response: Population and Community Health Administration (PHCSA)

Type	Priority	Intervention	Rationale	Cost
Education				
Secondary Prevetion				
		School nursing	To monitor, case manage, treat, promote wellness (socioemotional), school nutrition, etc...	$500,000
		Special Education	20 percent of children with BLLs greater than or equal to 25 @ age two receive special education for an average of 9 years.	$2,500,000
		Pre-Post school programming	To provide structured, safe supervised programming	$9,000,000
Nutrition				
Secondary Prevention				
		Expand WIC eligibility requirements	To increase availablity of healthy nutrition for impacted children	$1,380,000
		Promote breastfeeding education and support services	To protect children from lead exposure, promote cognitive development	$85,000
Tertiary Prevention		Educate and promote lead-exposure diet	To limit absorption and promote excretion of lead in exposed children	$110,000
Medical Health				
		Immediate Treatment and treatment of lead-*associated* ADHD	Immediate treatment of childr	$18,280,849
Secondary Prevention		Promote caregiver capacity. Increase capacity of maternal infant suppport services	To support parents and programs to improve parenting skills and early identification of developmental delays	$250,000 $325,000 $120,000
		Education for primary care providers regarding toxic stress	To indentify developmental delays early	$100,000
		Increase pediatric healthcare access to a patient centered medical home	To continuously drive patients to their primary care provider	$100,000

Tertiary Prevention	Creation of the Flint Children's Health and Development Fund	To support short and long-term health, medical care, and developmental needs of Flint children exposed to lead	$100,000,000
	Behavorial Health Services	To provide necessary mental/behavioral health services to exposed population	$7,000,000
		To determine extent of injury and long-term neurodevelopmental, medical, socioeconomic impact. To allow for	
	Identification and tracking of exposed children/cohort	identification of exposed children and ongoing surveillance	$100,000
Assessment Subtotal			**$139,155,849**

Budget Estimates
FY16 Supplemental Request

Appropriation	**FTEs**	**Amount**
Cost for epidemiologists	2	$115,000
Cost to abate lead in homes in Flint	3.5	$1,687,500
Additional lead investigations	0	$100,000
Increase nurse case management	1	$75,000
Increase community education	2	$120,000
WIC outreach and trasportation	1	$60,000

Total FY16 fuding Request	**$10**	**$2,157,500**	
FY17 Supplemental Request			
Continuation of FY16 Supplemental	8	$850,000	
Cost for epidemiologists	2	$220,000	
Cost to abate lead homes in Flint	4	$2,261,000	
Additional lead investigations	0	$130,000	
Increase nurse case management	1	$100,000	
Increase community education	2	$180,000	
WIC outreach and transportation	1	$90,000	
Total FY17 Funding Request	**18**	**$3,831,000**	
Total FTE	**27.5**		
GRAND TOTAL			**$145,144,349**

Notes

It is reasonable to have a nurse in 5 schools in Flint. $500,000

Lifetime costs $2.5 million for a cohort of two year olds.

$1,000/9000 children

Low demand for ready to feed formula, Expansion of WIC eligibility and income to children 7-10 yrs require USDA approval. $1.38 M

Promote breasfeeding- We believe an additional lactation consultant would be helpful at GCHD

Dietician for nutrition counseling/education at Genesee County Health Department

Immediate treatment: $280,849
ADHD includes medication and counseling: $18 million annually

Expansion of home visitation programs. Parent education via community classes related to preventing toxic stress (ACEs)- Perhaps this is something that the Genesee Coalition could undertake. 5 grants at $50,000/ea to interested community partners. Parents as teachers program- 5 staff to do home visitation at $65,000/ea. One MDHHS FTE- $120,000 to establish and monitor contracts

$100,000 for provider education to Hurley Hospital

Funding for Children's Healthcare Access Program (CHAP)

Estimate provided by Dr. Mona Hanna Attisha; estimate should be validated by acutarial analysis

700,000/10 years

Identification and tracking of exposed children/cohort- We think it is reasonable to enhance capacity to support health information exchange and integration between laboratories and the MICLPS registry.

Notes

Support two epidemiologists to analyze blood lead levels based on zip codes in the City of Flint. Work conducted by the epidemiologists will be new functions not currently conducted. Positions will be supported through contracts with MPHI.

Costs reflect contractual and service costs to abate lead from homes in the City of Flint. Contractual funds will support 3.5 contractual staff - 2.5 field consultants to conduct abatement and one to assist with client application and form processing (total $187,500). Funds for the service include the cost to abate 100 homes @ $15,000 each ($1.5 million) which will include internal housing plumbing components where necessary. Current efforts financed in the previous FY16 supplemental did not support lead abatement activities.

Additional contractual efforts to support lead investigations in 100 additional homes in the City of Flint. Service will be provided by ETC Consulting.

Funds support the increased testing and follow up necessary with the new homes being investigated. Nurse case managers provide follow up with families, provide nutrition counseling, and coordination with Environmental Blood Level (EBL) investigations.

Contractual FTEs will work with the Genesee County Health Department (GCHD) to build educational efforts in that community to develop a more detailed education plan.

One contractual peer educator FTE at Genessee County Health Department to help increase WIC enrollment and retention to assist with lead testing, nutrition education, and overall health of pregnant moms and infants.

Continue the funds from the original FY16 supplemental for existing nurse case management of EBL home investigations.

Continue the funds from the FY16 request above and support two epidemiologists to analyze blood lead levels and will address broader areas beyond the City of Flint. Work conducted by the epidemiologists will be new functions not currently conducted.

Continue the funds from the FY16 request above and finance contractual and service costs to abate lead from homes in the City of Flint. Contractual funds will support 4 contractual staff - 3 field consultants to conduct abatement and one to assist with client application and form processing (total $311,000). Funds for the service include the cost to abate an increase to 130 homes @ $15,000 each ($1.95 million) which will include internal housing plumbing components where necessary. Current efforts financed in the previous FY16 supplemental did not support lead abatement activities.

Funds support additional lead environmental investigations. This is lead investigations in homes of children with high blood lead levels to determine all of the sources of lead exposure and plan for mitigation of lead. This does not include funding for lead abatement. This is done via contract with ETC Consulting. (No FTEs)

Continue the funds from the FY16 request above to support the increased testing and follow up necessary with the new homes being investigated. Nurse case managers provide follow up with families, nutrition counseling, and coordination with Environmental Blood Level (EBL) investigations.

Continue the contractual health educators at GCHD to work collaboratively with community agencies on awareness of lead hazards, increase lead testing, and nutrition education.

One contractual peer educator FTE at GCHD to help increase WIC enrollment and retention to assist with lead testing, nutrition education, and improve the overall health of pregnant moms and infants. Bus tokens (10,000 at $1 = $10,000), bus signs and other promotion materials for WIC at $5,000.

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 8, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

<u>Elevated Blood Level (EBL) Environmental Investigations</u> – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/6/2016
  - 21 families contacted
  - 14 EBL investigations completed.
  - **14 Water sampling completed.**
  - **7 EBL Reports Received.**
    - **6 homes with lead dust hazards**
    - 3 homes with lead in soil hazards
    - 5 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
      - 0 homes with lead water levels >5 ppb
      - 0 homes with lead water levels >15 ppb
  - 5 investigations scheduled.
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.

<u>MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services</u> – Nancy Peeler

- Families that have moved to other counties
  - GCHD forwarded a list of 40 families they were unable to contact: CLPPP staff identified updated contact information for 39 of the 40 families and forwarded that information to GCHD on 1/5/16.
  - GCHD is utilizing the updated information. They have already identified a family that has relocated to Ingham County, and another that relocated to Florida. Nancy has reached out to Mark Miller to initiate contact with Ingham for follow-up with that family.
- CM report through 12/31/15:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 109 (0-5 year olds) and 6 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)
  - # other disposition: 23 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- **The data specifications and metrics were developed for a report to measure blood lead testing of children in Flint who are enrolled in Medicaid. The preliminary report will be reviewed week of 1/11/15.**
- **Additional Zip code-specific blood lead data on children in Flint was provided in response to a request from the MDHHS Director.**
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

Filter Distribution 10/1/15 to 1/6/15			
	Received	Distributed	Remaining
Water Filters	15,000	11,587	3,413
Water Pitchers	720	251	469
Replacement Cartridges - Brita	9,000	1,704	7,296
Replacement Cartridges – PUR*	5,706	33	5,603
Replacement Cartridges - Zero	375	8	367

*The PUR replacement cartridges are being made available in all locations for the convenience of residents. Once the PUR cartridges are exhausted and more are needed DHHS will purchase additional ones. The current supply was given to DHHS and GCCARD by United Way.

Communications/Information Sharing – Linda Dykema, Eden Wells

- **Weekly (Friday, 10:00 am) meeting with DEQ, LARA and the city of Flint.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- The State Emergency Operations Center (SEOC) opened a Joint Information Center (JIC). Angela Minicuci is the primary HHS contact to the JIC. All public information documents related to the Flint water response must be routed for approval through the JIC.
- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model.
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.

WIC

- No updates.

Healthcare/Providers

- No updates

DEQ Information - Linda Dykema as Liaison

- No updates

Brainstorm Ideas for Possible VOAD/NGO Support in Flint Water Contamination 1/06/16 Version

The MSP/EMHSD planners asked the Red Cross [ARC] to brainstorm and come up with possible ways in which MI-VOAD, the Red Cross and other NGOs might be able to assist in the response and recovery phases of the Flint Water Contamination. When reviewing the ideas which follow, please keep in mind these considerations:

1. We cannot speak for MI-VOAD and recommend that MI-VOAD be convened so that the members can be briefed and discuss these ideas.
2. NGOs seek funding to implement programs which align with their missions. None of them are funded to conduct recovery efforts for the Flint Water Contamination and would likely need financial support to do so.
3. These ideas are not task assignments or commitments.

POSSIBLE NGO SUPPORT ACTIVITIES

a) NGOs can help educate Flint residents about water filters and ways to mitigate lead exposure in children through nutrition and early childhood education. (Leveraging the Red Cross' Home Fire Prevention Campaign, ARC volunteers could provide education materials, water filters and replacement cartridges when they visit homes to install smoke alarms. Discussions are currently underway to do this.)

b) The ways in which educational information is disseminated may provide an opportunity to rebuild trust in government. If those efforts engage trusted organizations such as faith-based groups and the Red Cross, the positive perceptions may be extended to government.

c) NGOs' places of business could be used as points of distribution for water and filters. In addition to space, the NGOs may be able to provide people to staff them. Perhaps some NGOs could provide the water and filters, but not all. Such arrangements would need to be time limited.

d) Some NGOs can provide language interpretation and translation for those residents who need it and for translation of educational materials.

e) In Flint, Child Care Network trains providers of early childhood education.

f) Some Flint residents affected by the water contamination may benefit from crisis counseling. People who work on the recovery (agency staff and volunteers) may also. There are NGOs which provide such counseling.

g) Some homes contain lead pipes, faucets or related infrastructure. Perhaps some NGOs (Habitat for Humanity?) could install new ones. However, this may require specific licenses or permits.

h) If it's determined that food will be distributed to improve nutrition, NGOs may be able to assist.

i) There may be NGO services available directly to those children who evidence disabilities as a result of lead exposure.

j) There are local agencies which have been and continue to address the needs of Flint residents. Because the recovery may be long term, the capacity of these agencies may be taxed. It's possible that NGOs could support them by providing workers (staff and/or volunteers) to help, depending on their needs (including answering phone calls and responding to email.)

k) Some of the MI-VOAD member agencies may be able to act as liaisons with local government and non-profit agencies.

Mike Sobocinski's notes on January 8, 2015 SEOC briefing (9:30am):

Tom Weber leads meeting, Captain joining later by phone and in person at the end.

MSP Operations (Jaqueline Hampton): Had conference call with local jurisdictions. Water tests are needed. Only about 600 homes have been tested, out of about 45,000. There's a drop-off test kit – samples to be taken in the morning, after the water has sat for at least 6 hours during the night.

American Red Cross: Contacted by county [and?] sheriff, to assist with the distribution of resources/needs.

State Office on Aging: Requested addresses of Flint seniors who are receiving services—the area office on aging is working on that. The Genesee County health department is a local partner. Flint Township is on the water system? (Tom Weber: GIS will sort through which jurisdictions are involved – probably at least 3 other jurisdictions.)

MDARD: A new regulatory requirement is being worked on which would involve water handling information for relevant agencies and establishments.

MI Dept of Education (Louie Burgess): Everyone with an approved child nutrition program is being contacted to learn where water is obtained from, how it's handled, and whether they've received the relevant information about it.

MDEQ (Jennifer Wolf): More water sampling will occur through collaboration with other agencies. Kits must be dropped off at homes, due to 6 hour requirement [see MSP Operations reference at top]. MDEQ lab capacity involves the handling of up to 400 samples per day, 7 days per week. Only about 670 samples processed so far.

MDHHS (Richard Thelen): Have received many resource requests for filters. Working on orders and delivery arrangements. Also, to assist with food and nutrition, improving the healthfulness of foods that are available in the short-term.

MDTMB (Jeannette Doll): A co-located JIC location has been found within a Flint state office building. A toll-free phone line is to begin operation at noon today, both at the new JIC and in Lansing.

NWS [didn't catch his name]: Anticipating some snowfall, perhaps from 2 to 4 inches, with winds from 15 to 30 miles per hour expected over this weekend. Much of next week, we'll have cold air, with daily high temperatures in the 20s or below.

PIO (Ron Leix): Preparing for the transition to the Flint JIC. At 3pm today there will be a meeting of the key PIOs—the first face-to-face meeting rather than through a conference call. There are 4 major topics for public information: (1) Water filters, (2) Water testing, (3) Blood lead level testing, (4) Bottled water. Explanations of who, how, when, why, where are being provided. The web site is good, but we need to go beyond that to access those who are not online (e.g. seniors). Media coverage: some has been good, some bad. The Rachel Maddox show focused on various issues.

MSP Logistics (Michele Kuzera): Verifying equipment and staff for on-site Flint activity. Two MSP staff are in the local EOC, representing planning and logistics.

Tom Weber: Incident Action Plan objectives can have suggestions submitted to the Planning Group Chief by 1pm. Agency situation reports should be submitted by 3:30pm in MI CIMS and/or to the Planning Section.

MSP Ops (Jackie Hampton): The SEOC will be open tomorrow (Saturday) from 8a to 5p.

Capt. Kelenske: He'll be obtaining an important requested document on the subject of water distribution. Staff must update MI CIMS with an ongoing log of their activities. Sunday operation of the SEOC will be determined in the future.

Winter Weather to Impact Michigan

January 11-12, 2016

Very Hazardous Travel at Times through Tuesday

Snow, Blowing Snow – White Outs Likely

Commutes Tonight and Tuesday Affected

Rapidly Changing Road Conditions and Visibility

Very Cold Air Continues

Time to Frostbite From Exposure

Through Thursday: Less Than 30 Minutes

Find us on Facebook

NOAA National Weather Service

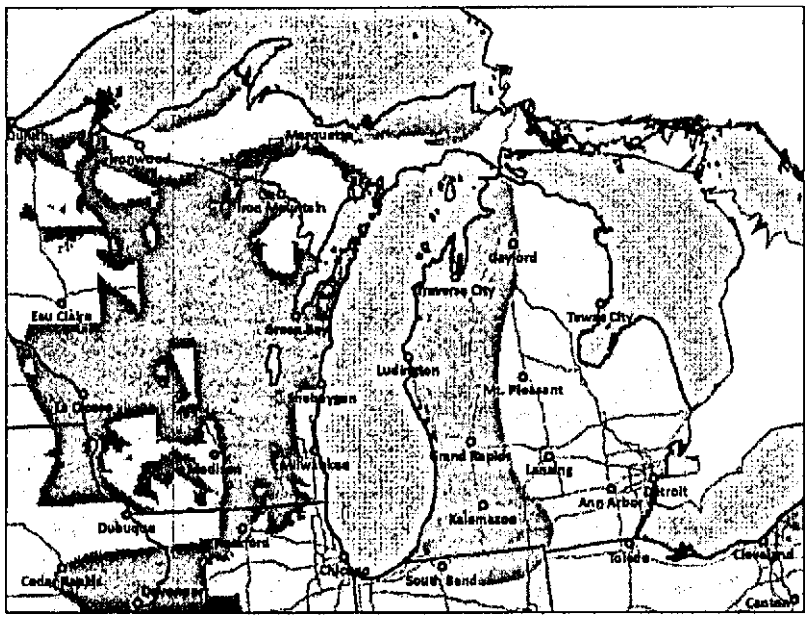
Website: [illegible]

#miwx

Winter Weather Impact Summary

January 11-12, 2016

From Snow, Blowing Snow



Expected Impacts	Expected Impacts
Dangerous Travel Conditions at Times Icy and Snow Covered Roads Blowing Snow Over Roads	Hazardous Travel Conditions Icy and Snow Covered Roads Blowing Snow Over Roads
Rapid Changes in Road Conditions and Visibility	Rapid Changes in Road Conditions and Visibility
Closures/Cancellations	Closures/Cancellations
Time to Frostbite From Exposure Less Than 30 Minutes	Time to Frostbite From Exposure Less Than 30 Minutes
Possible Impacts	**Possible Impacts**
Scattered Power Outages	Scattered Power Outages

	Extremely Life Threatening Everything Will be Shut Down Possibly for Days or Weeks
Be Prepared – Major Actions	Expect Dangerous Conditions Expect Major Disruption of Normal Activities
Be Aware – Minor Actions	Caution – Especially When Travelling Plan to Be Inconvenienced
Little to No Action	Little to No Impact on Daily Life Plan on Minor Inconvenience

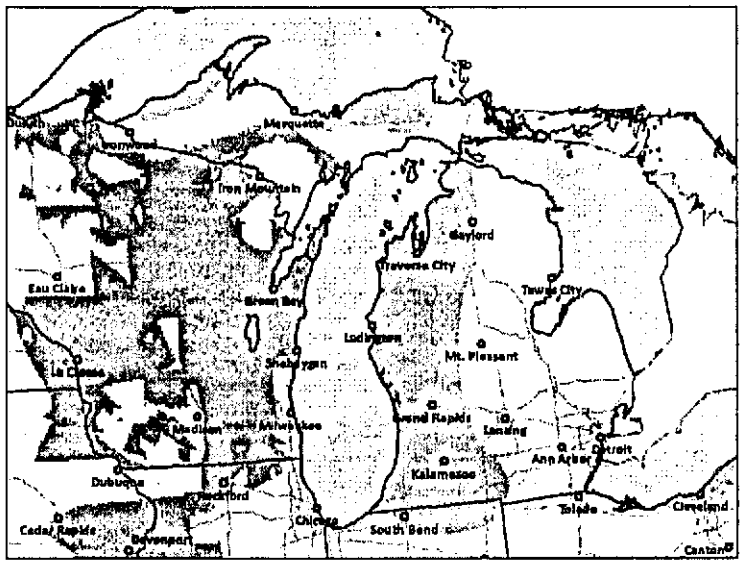
Will This Happen?	
Near Certain	✓
Better than 50/50 Chance	
Unlikely	

weather.gov

Winter Weather Expected

January 11-12, 2016

Including: Ludington, Muskegon, Grand Haven, Holland, South Haven, Allegan, St. Joseph



Expected Impacts

Dangerous Travel Conditions at Times
Icy and Snow Covered Roads
Blowing Snow Over Roads

Rapid Changes in
Road Conditions and Visibility

Closures/Cancellations

Time to Frostbite from Exposure to Cold
Less Than 30 Minutes

Possible Impacts

Scattered Power Outages

Snow

Light and Fluffy Snow
Breaks Between Snow Showers Likely

1 Foot or More Possible Near the Lakeshore
General 3-7" Inland From Lake Michigan

Ice Accumulation

None Expected

Temperatures and Wind

Near Steady in the Teens
Gusty Winds Develop Tuesday Morning
from the Northwest 15 to 30 mph
Northern Lower will be Less Windy

	Extremely Life Threatening Everything Will Be Shut Down Possibly for Days or Weeks
Be Prepared – Major Actions	Expect Dangerous Conditions Expect Major Disruption of Normal Activities
Be Aware – Minor Actions	Caution – Especially When Travelling Plan to be Inconvenienced
Little to No Action	Little to No Impact on Daily Life Plan on Minor Inconvenience

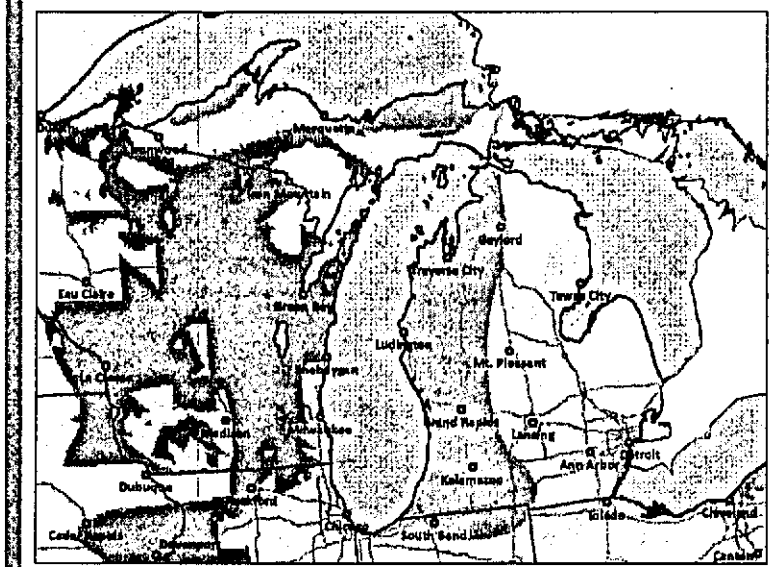
Will This Happen?

Near Certain	✓
Better than 50/50 Chance	
Unlikely	

www.weather.gov/grandrapids

Winter Weather Expected

January 11-12, 2016



Including: Harrison, Mt. Pleasant, Alma, Lansing, Jackson

Expected Impacts

Hazardous Travel Conditions
Icy and Snow Covered Roads
Blowing Snow Over Roads

Rapid Changes in
Road Conditions and Visibility

Closures/Cancellations

Time to Frostbite From Exposure
Less Than 30 Minutes

Possible Impacts

Scattered Power Outages

Snow

Light and Fluffy Snow
Breaks Between Snow Showers Likely

Up to 4 Inches
Locally Higher Amounts Possible

Ice Accumulation

None Expected

Temperatures and Wind

Near Steady in the Teens
Gusty Winds Develop Tuesday Midday
from the Northwest 15 to 30 mph
Northern Lower will be Less Windy

	Extremely Life Threatening Everything Will Be Shut Down Possibly for Days or Weeks
Be Prepared – Major Actions	Expect Dangerous Conditions Expect Major Disruption of Normal Activities
Be Aware – Minor Actions	Caution – Especially When Travelling Plan to be Inconvenienced
Little to No Action	Little to No Impact on Daily Life Plan on Minor Inconvenience

Will This Happen?

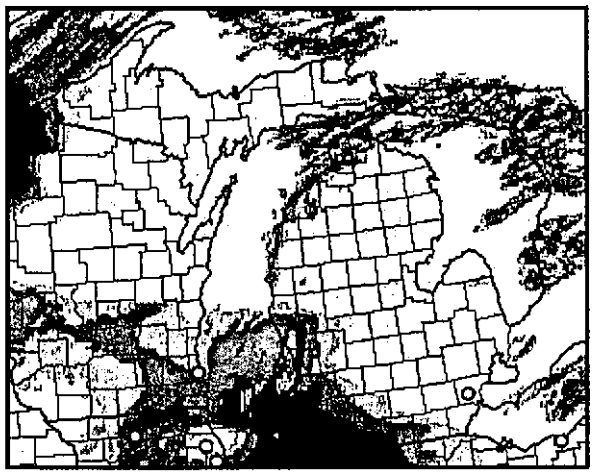
Near Certain	✓
Better than 50/50 Chance	
Unlikely	

www.weather.gov/grandrapids

When Weather is Expected

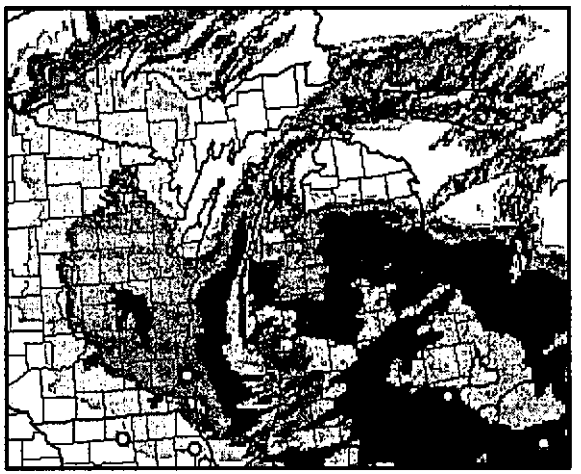
January 11-12, 2016

Weather Radar Forecast
6pm Monday



Weather Radar Forecast
3am Tuesday

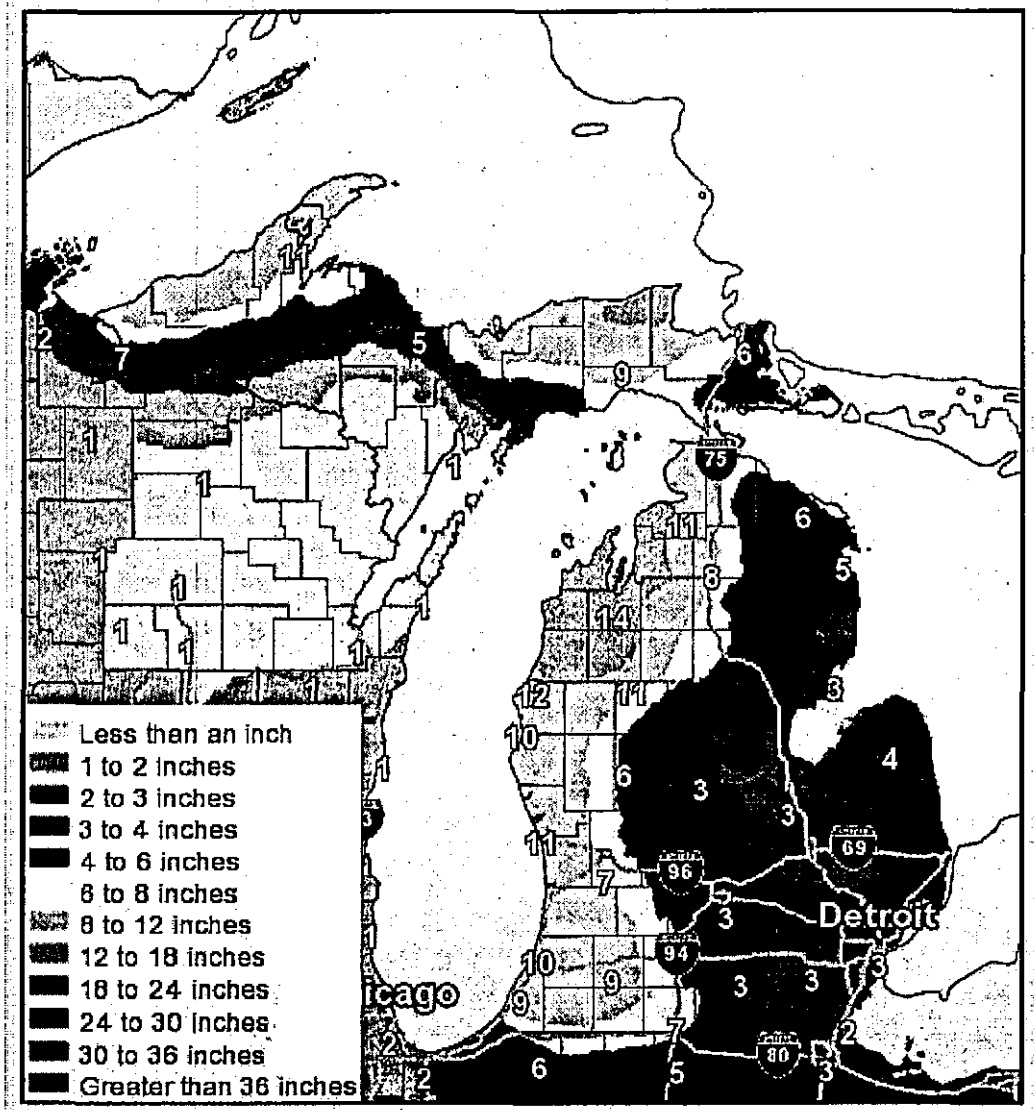
Weather Radar Forecast
11am Tuesday



Starting	**Snow Expected through Tuesday Night. Breaks Between Showers Likely**
Worst Weather Expected	**8pm Monday through 4pm Tuesday**
Ending	**Snow May Continue through Wednesday, Especially Near Lake Michigan**
Commutes Affected	**Greatest Expected Impact:** Tuesday Morning, Tuesday Afternoon **Also Impacting:** Wednesday Morning, Especially Along the Lake Shore

Forecast Snow

Monday through Tuesday Night: January 11-12, 2016



Hazardous Travel Expected

Rapid Changes in Road Conditions
In On and Off Snow Showers

Snow Will Blow Over Treated Roads
Zero Visibility With Little Notice

Worst Weather Expected

8pm Monday through 4pm Tuesday

Snow Continues Near Lake Michigan

Through Wednesday

For Additional Information

Links below are Clickable in PDF File of the Briefing

Winter Weather Briefing Slides

weather.gov/grandrapids/webinars

Regional Weather Radar Loop

weather.gov/radar

Winter Weather Forecast Information

http://goo.gl/JSZ1Ir

Winter Weather Safety information

http://goo.gl/IGaNuz

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Website: www.weather.gov

#miwx

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for January 7, 2016

Governor Snyder declares a state of emergency for Genesee County due to the health and safety issues related to lead in city of Flint drinking water.

****NOTE: Contains potentially Identifiable Information- REDACT AS INDICATED****
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested 10/1/2015 to 12/18/2015: 2,182;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 23
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 7
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 13
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

<u>Elevated Blood Level (EBL) Environmental Investigations</u> – ETC Contractors, Wes Priem, Courtney Wisinski

- EBL report through 1/6/2016
  - **21 families contacted**
  - **14 EBL investigations completed.**
  - 11 Water sampling completed.
  - 6 EBL Reports Received.
    - 5 homes with lead dust hazards
    - 3 homes with lead in soil hazards
    - 6 homes with lead-based paint hazards
    - 2 homes with lead detected in tap water
      - 0 homes with lead water levels >5 ppb
      - 0 homes with lead water levels >15 ppb
  - **5 investigations scheduled.**
  - 5 applications received for the Lead Safe Homes Program, 1 family enrolled.
- HHS staff will accompany contractors on investigations to confirm compliance with protocols. Scheduled for 1/6/16.

<u>MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services</u> – Nancy Peeler

- Families that have moved to other counties
  - GCHD forwarded a list of 40 families they were unable to contact: CLPPP staff identified updated contact information for 39 of the 40 families and forwarded that information to GCHD on 1/5/16.
  - GCHD is utilizing the updated information. They have already identified a family that has relocated to Ingham County, and another that relocated to Florida. Nancy has reached out to Mark Miller to initiate contact with Ingham for follow-up with that family.
- CM report through 12/31/15:
  - # of contacts attempted: 186 (0-5 year olds) and 12 (6-17 year olds)
  - # offered CM: 109 (0-5 year olds) and 6 (6-17 year olds)
  - # CM started: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # of children receiving CM who live in Flint: 25 (0-5 year olds) and 2 (6-17 year olds)
  - # billed to Medicaid: 14 (0-5 year olds) and 1 (6-17 year olds)

- # other disposition: 23 (0-5 year olds) and 1 (6-17 year olds)

Epidemiology/Surveillance – Corinne Miller, Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper

- MDHHS IRB approved Dr. Hanna-Attisha's research project.
- Pending: hiring 2 epidemiologists to provide BLL surveillance support.

Filter & Water Distribution Sheryl Thompson

Filter Distribution 10/1/15 to 1/6/15			
	Received	Distributed	Remaining
Water Filters	15,000	11,587	3,413
Water Pitchers	720	251	469
Replacement Cartridges - Brita	9,000	1,704	7,296
Replacement Cartridges – PUR*	5,706	33	5,603
Replacement Cartridges - Zero	375	8	367

*The PUR replacement cartridges are being made available in all locations for the convenience of residents. Once the PUR cartridges are exhausted and more are needed DHHS will purchase additional ones. The current supply was given to DHHS and GCCARD by United Way.

Communications/Information Sharing – Linda Dykema, Eden Wells

- GCHD (Jim Henry) is working with Flint residential child care facility to further evaluate lead levels in tap water. All current residents are > 6 years of age and have had venous blood tests: the highest was 2.3 mg/dL, most were <0.5 mg/dL.

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- The State Emergency Operations Center (SEOC) opened a Joint Information Center (JIC). Angela Minicuci is the primary HHS contact to the JIC. All public information documents related to the Flint water response must be routed for approval through the JIC.
- Continuing to write and coordinate additions to the EBL Case Manager Binder, now known as the MDHHS Lead Safe Family Guide Book. (MB)
- Pending: Filter cartridge changing fact sheet; clarifying uses of filtered/vs unfiltered water (MB)
- Pending: Lead and Nutrition fact sheet and Flint Parent Letter revisions.

Toxicology - Kory Groetsch, Lisa Quiggle, Jennifer Gray

- Working on method(s) to convert lead dust wipe sample results into an intake metric compatible with the IEUBK model.
- Working on Child EBL Access database, which will be used to ensure that each child/family is offered all available SOM services and activities related to EBL cases.

WIC

- No updates.

Healthcare/Providers

- No updates

DEQ Information - Linda Dykema as Liaison

- No updates

Possible organizations that can help us with the Distribution of water filters, water pitchers, 23 cup filters and replacement filters along with distribution of preparedness materials, health department material and smoke detector sign up sheets.

Ennis Center for Children—Caseworkers visit home
Greater Flint Health Coalition—Connection to all local health industries
CAC for hearing/sight impaired--Interpreters
MTA—Bussing--Funds
Catholic Charities –Mass feeding
G-Card—Water filter distributions
Eastern Michigan Food Bank—Distributing bottled water to pregnant mothers and mother's with infant children, breast feeding and infant child
Salvation Army—Water fund—Money for residents who cannot pay their water bills
Meals on Wheels--???
Genesee County Health Department—Water filter distribution, information on water and health, data
United Way--Funding
NCCC---Canvassing and information distribution
U of M—Distribution point
AmeriCorps—City of Flint, Canvassing and education
Grace Emmanuel Church—Information and canvassing
Bethal Methodist –Information and canvassing
Our Savior Lutheran—Information and canvassing
Planned Parent Hood--???
Aged Wellness--???
New Jerusalem—Information and canvassing
Neighborhood Without Borders—Information and canvassing
Metro Community Development--???
Civic Park Neighborhood Association—Information and canvassing
Flint Neighborhoods United—Information and canvassing
United Methodist—Information and canvassing
Youth Build—Information and canvassing
Wow Outreach—Information and canvassing
Concern Pastors Association—Information and canvassing
Universal Unitarian Church—Information and canvassing

Mtg. next Tuesday

Mike Sobocinski's notes on January 7, 2015 SEOC briefing (9:30am):

Tom Weber: situation report #1 was published. ICS202 to be completed shortly (Capt: that document will be for internal use only). Disaster Recovery Unit is being established within Operations Section.

American Red Cross (phone): coordination of some kind [unclear]

DHHS (Richard Thelen): outreach and education to local health care providers. JIC is operational. Web MD Medscape – available [extra details unclear]. Distribution of filters and replacement cartridges continues. Two local MDHHS offices and two Genesee County Community Action Resource Department (GCCARD) offices are involved in this. [I looked GCCARD up online to find and verify its correct name. Some other local government office was also named, but I didn't catch it.]

MSP GIS section: Coordinating with city and county. Online dissemination of mapped info looks likely soon through a viewer that allows users to browse the information themselves. Currently mapping filter locations. MSU extension socioeconomic data is available for city residents, to represent spatially. Pipelines and service entry points (at homes) are mappable. Lead(ing) service lines to homes are mappable. 44,000 records to be worked on through coordination with University of Michigan Flint campus, to make the information digital (probably contracted by the city to do so). Latency time in pipes correlates with lead concentration in homes, so an analysis could be performed with information on pipe and service line locations/lengths...

Capt. Kelenske: Genesee County Sheriff Department using about 50 persons with trucks to distribute about 5,000 filters (of the "screw-on type") to the high-risk areas of the city.

Tom Weber: Genesee County GIS is coordinating with the area's United Way (and?) Food Bank.

MDARD (Brad Deacon): the local health departments inspect restaurants, while the DARD oversees local pop and ice machines.

MI Dept. of Education (Louis Burgess): Crafting a message to the Genesee Intermediate School District regarding all involved schools, including public, private, charters, academies, which have food centers or food programs. To inquire with all who run these regarding their water sources and use. The text of this message is to be reviewed by the state before its local distribution. The Department of Education PIO is needed in the JIC, and will be called.

MI Dept. of Corrections [person not known]: nothing new; precautions taken since last year, with coolers and jugged water being served. Have messages been sent to state employees who work in Flint, especially a general notification to all state employees so that even those who temporarily go to Flint can be informed regarding water?

MDTMB (Jeannette Doll): notes that bottled water is available at the state offices.

Aging and Adult Services Agency (AASA) (Steve Betterly): Outreach to the (Genesee) Valley Area Office on Aging to find/seek a list of seniors.

MSP Operations section: Establishing a State Recovery Task Force, to be headed by Joel Pepper. Establishing a Recovery Branch, to be headed by Brianna Briggs and to involve MIVOAD, DHHS coordination. Use of available subject matter experts, to include Dr. Eden Wells of DHHS and Dr. Mona Hanna-Attisha.

MSP Logistics section: Tracking quantity of water needed, trucks, etc. Two logistics staff from MSP being deployed to the local EOC.

PIO Ron Leix: JIC fully operational as of yesterday afternoon. JIC News Release #1 completed. An 800 number is to be used, and a top-level web site can be found at www.michigan.gov/flintwater. A 9am meeting is occurring between Governor Snyder and the Flint Mayor [Karen Weaver], with a media session to follow. At 1pm, a media roundtable presentation will occur in the Presentation Room at Collins Road, followed by a tour of the SEOC. Tomorrow, legislative and congressional calls.

Capt K: State agency SEOC physical presence this afternoon from 1pm onward.

[Unknown agency] Jeremy Hedges: coordination with MSHDA, potential to provide planning services? (Tom Weber: MSHDA to be included in the State Recovery Task Force.)

Capt K: FEMA has 2 liaison officers arriving about 3pm. These are not Federal Coordinating Officers (FCOs) but are merely to assist the Captain. MI CIMS activity log entries are needed from the PIO and the GIS section. The daily briefings are to occur at 9:30am until otherwise announced.

Brainstorm Ideas for Possible VOAD/NGO *Support in Flint Water Contamination* 1/06/16 Version

The MSP/EMHSD planners asked the Red Cross [ARC] to brainstorm and come up with possible ways in which MI-VOAD, the Red Cross and other NGOs might be able to assist in the response and recovery phases of the Flint Water Contamination. When reviewing the ideas which follow, please keep in mind these considerations:

1. We cannot speak for MI-VOAD and recommend that MI-VOAD be convened so that the members can be briefed and discuss these ideas.
2. NGOs seek funding to implement programs which align with their missions. None of them are funded to conduct recovery efforts for the Flint Water Contamination and would likely need financial support to do so.
3. These ideas are not task assignments or commitments.

POSSIBLE NGO SUPPORT ACTIVITIES

a) NGOs can help educate Flint residents about water filters and ways to mitigate lead exposure in children through nutrition and early childhood education. (Leveraging the Red Cross' Home Fire Prevention Campaign, ARC volunteers could provide education materials, water filters and replacement cartridges when they visit homes to install smoke alarms. Discussions are currently underway to do this.)

b) The ways in which educational information is disseminated may provide an opportunity to rebuild trust in government. If those efforts engage trusted organizations such as faith-based groups and the Red Cross, the positive perceptions may be extended to government.

c) NGOs' places of business could be used as points of distribution for water and filters. In addition to space, the NGOs may be able to provide people to staff them. Perhaps some NGOs could provide the water and filters, but not all. Such arrangements would need to be time limited.

d) Some NGOs can provide language interpretation and translation for those residents who need it and for translation of educational materials.

e) In Flint, Child Care Network trains providers of early childhood education.

f) Some Flint residents affected by the water contamination may benefit from crisis counseling. People who work on the recovery (agency staff and volunteers) may also. There are NGOs which provide such counseling.

g) Some homes contain lead pipes, faucets or related infrastructure. Perhaps some NGOs (Habitat for Humanity?) could install new ones. However, this may require specific licenses or permits.

h) If it's determined that food will be distributed to improve nutrition, NGOs may be able to assist.

i) There may be NGO services available directly to those children who evidence disabilities as a result of lead exposure.

j) There are local agencies which have been and continue to address the needs of Flint residents. Because the recovery may be long term, the capacity of these agencies may be taxed. It's possible that NGOs could support them by providing workers (staff and/or volunteers) to help, depending on their needs (including answering phone calls and responding to email.)

k) Some of the MI-VOAD member agencies may be able to act as liaisons with local government and non-profit agencies.

Damage Assessment and Emergency Status Report

Incident: 2015-10-01-City of Flint-Water Contamination / Shortage

Operational Period

Operational Period Begin:	01/06/2016 08:00:00
Operational Period End:	01/08/2016 17:00:00
Situation Report No.	1
SEOC Status:	Full
SEOC Hours of Operation Begin:	01/06/2016 08:00:00
SEOC Hours of Operation End:	01/06/2016 17:00:00

Executive Summary

On January 6, 2016, Governor Snyder declared a State of Emergency for the City of Flint and Genesee County. Genesee County requested the Governor's declaration on January 5, 2016, following the declaration of a Local State of Emergency in the county in response to the presence of lead in the public water supply, and the detection of elevated blood lead levels exceeding governmental standards. These conditions exist in the City of Flint, which declared a Local State of Emergency and activated local response plans and their Emergency Operations Center on December 15, 2015. A "public health emergency" was declared by the Genesee County Health Department on October 1, 2015.

By early May 2014, the City of Flint switched from the Detroit Water and Sewerage Department (DWSD) to the Flint River as their primary water source. The corrosive river water caused the leaching of lead from lead pipes into the water supply. Increased exposure to lead can cause immediate negative health effects. However, the main health concerns are long-term effects in children such as developmental and cognitive delays, and behavioral disorders. Elevated blood lead levels that exceeded past seasonal levels were observed in City of Flint children, and were subsequently confirmed by Michigan Department of Health and Human Services (MDHHS) epidemiologists.

To mitigate the effects of corrosive river water on the water infrastructure in the City of Flint, the city switched back to DSWD as their primary water source on October 16, 2015. Funding to reconnect to DWSD was provided from the City of Flint, the Charles Stewart Mott Foundation, and the State of Michigan. Water is treated with a supplemental phosphate addition to rebuild the protective layer in the distribution system and reduce the leaching of lead into the water supply.

For the mitigation of negative health effects, over 24,000 water filters and replacement cartridges have been distributed to residents in the City of Flint. Approximately 13,000 water filters, water pitchers and replacement cartridges were distributed by the MDHHS in the timeframe of October 1 to December 31, 2015 alone. MDHHS has increased surveillance of blood lead levels in children, is addressing water issues in the environmental investigations facilitated to identify lead sources in the environment of affected children, and providing health education and information to residents, health care providers and daycare/educational institutions. Local nonprofit organizations have provided potable water to Flint residents. MSP/EMHSD GIS staff is supporting county and local GIS staff, consolidating data from local sources into comprehensive databases, and providing mapping services that support incident analysis and forecasting. Data and maps will be made available regarding the location of water pipes, affected schools, filter distribution locations, water monitoring results, predictive blood lead levels for affected areas, demographics, etc.

Before December 16, 2015, $9.35 million were provided by the State of Michigan, and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While the source water has been switched back to DWSD, water in the City of Flint is still not safe to drink, unless specifically filtered.

Incident Response/Recovery Priorities/Objectives

1. Activate the State Recovery Task Force
2. Ensure coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate subject matter experts.
3. Obtain and maintain situational awareness and common operating picture of all activities.
4. Establish operational period and hours of operations.
5. Investigate and identify available programs for assistance with direct or related impacts.
6. Develop a comprehensive GIS strategy.
7. Identify critical resources for acquisition and allocation.
8. Coordinate response and recovery activities and identify mission areas with MIVOAD.
9. Facilitate and coordinate technical assistance among state agencies and to local agencies.
10. Provide technical assistance and facilitate the local Damage Assessment process.
11. Establish a Joint Information Center and develop a public information strategy.
12. Monitor MI CIMS for resource requests and address as appropriate.
13. Establish and disseminate cost center information for the incident.

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

City of Flint, Declaration of State of Emergency, 12/15/2015
Genesee County, Declaration of State of Emergency, 01/04/2016
Genesee County, Request for Governor's Emergency/Disaster Declaration, 01/04/2016

State Declarations

Jurisdiction(s): Date/Time:

Declaration of Emergency for the City of Flint and the County of Genesee, 01/05/2016

Federal Declarations

Jurisdiction: Date/Time:

Weather Conditions

Watches/Warnings

No information available.

Upcoming Forecast

Thursday:
Partly sunny, with a high near 36. South southeast wind around 6 mph.
Thursday Night:
Mostly cloudy, with a low around 31. South southeast wind around 7 mph.
Friday:
Showers likely, mainly after 1pm. Cloudy, with a high near 40. Southeast wind around 9 mph. Chance of precipitation is 60%. New precipitation amounts between a tenth and quarter of an inch possible.
Friday Night:
Showers likely. Cloudy, with a low around 36. Chance of precipitation is 60%.

Other

General Information

River Conditions

Rivers in the affected area are below flood stage.

National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Water system (see Executive Summary).

Outside Assistance Requested

All requests for outside assistance will be routed through the SEOC.

Fatalities and Injuries

Reports	This Period	Cumulative	Comments
Fatalities	0	0	
Injuries	Unknown		

Evacuation and Sheltering

Reports	This Period	Cumulative	Comments
Evacuation	0	0	
Sheltering	0	0	

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal $	Category B: Emer Prot Measure $	Category C: Roads / Bridges $	Category D: Water Control $	Category E: Public Bldgs $	Category F: Public Utilities $	Category G: Parks / Rec and Other $	$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	$0	$0	$0	$0	$0	$0	$0	$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	$ Estimate for Damage (if available)
TOTALS:	0	0	0	0	0	0	0	0	$0

Damage Assessment Summary

Agency Summaries

Agriculture and Rural Development (MDARD)

Two areas MDARD is monitoring:
1). Water usage in food processing, food retail, and food service (restaurants). Guidance document has been available since October; MDARD surveyed food processors in October and did not find issues.
2). Water consumption by pets / animals. There has been some evidence of lead toxicity in dogs, and there has been guidance about pets & water included in the Q & A.
MDARD will be reviewing activities in both areas and determine appropriate next steps.
4:15pm update Jan 6th
*Call with Animal Industry Division: they are doing outreach to MI Veterinary Medical Assn; MSU College of Veterinary Medicine, and the MSU Diagnostic Center. They will also talk to Genesee County Animal Control about other animal facilities that may need follow up.
*Call with Food & Dairy Division: we will get addresses of food processing, retail and food service to help create a GIS layer; they will talk with Genesee Co. Health Dept. about restaurants using the existing guidance on water. MDARD did provide the guidance on water to all licensed retail food facilities, including convenience stores.
Food & Drug Administration contacted their regulated facilities in October and found no further action is necessary; USDA-Food Safety Inspection Service is looking into what if any guidance or actions they need to do for meat processors.

American Red Cross (ARC)

The MSP/EMHSD planners asked the American Red Cross to brainstorm and come up with possible ways in which MI-VOAD, the Red Cross and other NGOs might be able to assist in the response and recovery phases of the Flint Water Contamination. We are working on this and calling upon Red Cross colleagues to contribute to it. We've briefed Red Cross Regional and Divisional management on this incident. The Red Cross will provide situational awareness regarding the services related to the water contamination that individual NGOs are providing to Flint residents.

Civil Rights (MDCR)

Monitor and support agencies with issues surrounding outreach and engagement of marginalized populations within the City of Flint impacted by the current water crisis.

Corrections (MDOC)

Brent Travelbee and Mike Farmer attended the briefing and notified all department personnel working in the affected area. Director Washington will be briefed and any additional actions necessary will be completed.

Environmental Quality (MDEQ)

The Michigan Department of Environmental Quality (DEQ) is staffing the SEOC in response to the Flint Water Crisis. Situational awareness has commenced with all state agencies and briefings will continue to be provided. The Flint Action Plan Coordinator continues to report to the Governor's office on department activities associated with this incident. The DEQ Public Information Officer is fully engaged in the Joint Information Center.

Michigan Housing Development Authority (MSHDA)

The grants staff team is already drafting the necessary background materials for a potential grant application request. We would just need to know the recipient of the grant and purpose (allowable uses).
We are exploring CDBG grant funds or other assistance from HUD.

Human Services (MDHS)

Summary for both Health & Human Services
Participated in morning briefing.
Provided update to Executives.
Provided master address list of filter distribution to GIS
Participated in CHECC conference call
CHECC remains at Level 1 Activation - Normal Operations

Licensing and Regulatory Affairs (LARA)

LARA upgraded to a mandatory department for this incident

Attached is a Point of Contact (POC) List

Attached is a Work Report indicating what work LARA has done today in City of Flint

Michigan Economic Development Corporation (MEDC)

MSF/MEDC had offered low interest loans as part of the deep freeze crisis. While this would require legislative action to authorize, it is something that could be considered in this scenario. It would require re-purposing any remaining funds.

Supreme Court

08:50 - State Judiciary EMC John Ort reported to the SEOC regarding the Flint water emergency. Nothing to report from the Judiciary regarding the emergency. DEQ website resources shared with our State Court Administrative Office (attn: Region II) in case our Genesee County courts have any questions regarding the emergency.

Technology, Management and Budget (MDTMB)

Provided update to management on morning briefing and status of items DTMB is addressing.
Reached out to DTMB Commodities Procurement personnel about available and potential contracts to assist in recovery efforts.

Incident Related Images

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Before December 16, 2015, $9.35 million were provided by the State of Michigan, and $6 million by local agencies and nonprofit partners to manage the effects of the corroded pipes. While drops in lead levels have been observed since reconnecting to the DWSD system, water in the City of Flint is still not safe to drink, unless specifically filtered.

Incident Response/Recovery Priorities/Objectives

TBD

Emergency Declarations

Local Declarations

Jurisdiction(s): Date/Time:

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City of Flint, Declaration of State of Emergency, 12/15/2015
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Weather Conditions

Watches/Warnings

Upcoming Forecast

Other

General Information

River Conditions

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National Terrorism Advisory System (NTAS) Status

No information available.

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

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Attached is a Work Report indicating what work LARA has done today in City of Flint

Natural Resources (MDNR)

MDNR is fully engaged at the SEOC. Situational awareness is being maintained and the department stands ready to assist as needed.

Services to the Aging (OSA)

Valley Area Agency on Aging - Region 5 (VAAA), in partnership with other local community agencies such as the Genesee County Health Department and MDHHS, has helped organize local meetings and distribute water and water filters. VAAA is an access point for receiving calls from homebound seniors who are not able to pick up water filters or need assistance installing water filters. VAAA reports they continue to receive calls from seniors who need assistance.

VAAA has distributed 2 bottles of water with each home delivered meal to each HDM client within the City of Flint. Water. VAAA also provided water to homebound seniors who needed water to prepare food as they had limited support to pick up bottled water. Congregate meal participants also have access to water and filters as needed. Once water filters were installed, VAAA discontinued including water with home delivered meals.

VAAA also contacted the Grandparents Raising Grandchildren program to ensure that they were aware of educational efforts and confirm the program had received water filters to distribute to program participants.

Incident Related Images

Mike Sobocinski's notes from the SEOC briefing of January 6, 2015:

Capt. Kelenske: This activation is different from many. Overall goals will include assessing the situation, prioritizing actions, and coordinating between agencies, identifying life-safety issues. SEOC activation hours are currently 8a-5p Mon-Fri. MI CIMS event titled 2015-10-1-City of Flint water contamination/shortage. Maintain activity logs in MI CIMS. Battle order set up for today: IC objectives meeting 10am, assign work tasks 11am IC + general staff, 2pm planning meeting, IAP approved 3pm, Unified command initial meeting 4pm. Governor declared state of emergency. Presidential disaster declaration will not apply here, but an emergency is possible to supplement state efforts. Lead pipe replacement program to be checked into – perhaps by Jen [Boyer?] of MDEQ. GIS mapping to cover filter distribution, home locations, distribution/testing gaps, etc. Nutrition distribution program [correct title?]. More of a long-term recovery style of approach. Goal to restore trust in state government. JIC will be set up.

Dr. Wells (DHHS chief medical executive): Pb as neurotoxin, affecting every system in the body, lowering Fe and Ca. Especially problematic in developing children under age 6, esp if not getting enough Ca, Fe. Standards have become increasingly strict over time, with Pb levels formerly 10ug/dl to warrant action, then lowered to 5ug/dl, and today Pb is treated as having no safe exposure level.

[NOTE: she is referring to **blood** concentration levels of micrograms per deciliter, not to be confused with water concentrations referred to elsewhere in units of micrograms per liter: ug/l. I'm using u to represent the greek letter mu-symbol for the "micro" prefix]

Health problems from lead include gastric problems, ulcers, anemia, etc. including death. Cognitive & developmental delays, attention & behavioral disorders. Pb sources include gasoline and paint (until the 1970s), pipes (esp. pre-1978 home construction), ammunition and firearms, soils & industrial sites, air pollution (especially in summertime). CLPP "clip" Childhood Lead Prevention Program. Screenings at age 1, age 2. Those who test >5ug/dl (national standard) are evaluated for environmental exposures/causes. Critical action level 45ug/dl – immediate medical treatment, chelation treatment to remove Pb, and investigation of Pb sources in environment. Water concentration does vary seasonally, with temperature and Ph changes. Old cities are targeted areas for higher risk. Virginia Tech independent testing of water. [From her limited description, I was unclear in the end of the relationship between these results and other tests.] Elevated Pb levels generally declining, including in Flint, until 3rd quarter of 2014 [fiscal quarter or calendar year???]. Hurley Medical Center deals with the high-risk area in Flint. American Journal of Public Health issue of 2 weeks ago had study published on this topic. Water is not the only source of Pb in the area. An increase was measured in 2 Flint zip codes [485]03 and [485]04 although it didn't reach statistical significance. Need to pin down high-risk areas – Pb levels can and do drop when environmental exposure is reduced. Testing since Oct. 1 [2015], to Dec. 18 [period for specific results, assuming testing still continues after Dec 18?]. Improper water filter use, or non-use (e.g. after Detroit water restored in Flint), has caused problems. Pb has half-life of less than 30 days. Department [hers or in the city of Flint?] surveillance results: 23 children under 6, 7 children age 6+, 13 adults who had blood levels above 5ug/dl. 12 elevated Pb blood level investigations; now including water testing, but Pb in dust, paint, and soil was also found. 1 hospitalized (level in the high

30s of ug/dl). HUD-funded program at the state level [name?] Coordination with Wayne State University and Flint campus of [she had said MSU, but it is likely that it is instead U-M Flint]. Misinformation exists re: questions like whether it's okay to shower or bathe in the water [she provided no answer for her own example – is it okay?]. Much local support exists. Info sent through schools with the children who attend them. SNAF, WIF [double check?] nutritional programs for young children. Would like to test as many young children (under 6) as possible in the city. See MI.gov or Flint Water for information about filters – Home Depot as a partner. MDEQ includes blood Pb level in their testing reports.

Question asked: Are there other substances of concern besides Pb in water? A: yes, bacteria, Cu (esp. for those with Wilson's disease), and "other chemicals." [MDEQ person later fills in a couple of these: total trihalomethanes TTHM and halo-acetic acids HAA5, which both fall under the category of disinfectant by-products DBPs]

George Christian [correct spelling?] of the MDEQ (Flint action plan coordinator): Flint had used the Flint River as a source before 1967, in 1967 switched to use of Detroit Water and Sewer Department DWSD for its water supply. Jan 2006 discussions began with Karegnondi Water Authority KWA. April 17, 2014 [event? Possibly the end of DWSD supply.]. May 2014 city began using Flint River water. Aug-Sept Boil water notices issued in part of the city of Flint, for E. coli and total coliform violations. [NOTE: spoke too quickly for me to accurately catch all of the dates/events he mentioned. People really should provide their info in writing rather than rely upon verbal briefs under distracting SEOG conditions.] Had the Flint River as a back-up supply all along, which is why the facility there was still maintained [paraphrase, didn't catch exact wording]. Late 2014-early 2015 DBPs: HAA5 and TTHM, with carbon as a treatment to remove these compounds. Sequence of tests: first at 6ppb 90th percentile level [he didn't explain this well at all, but normally this would mean that the 90th percentile value is at or above the bottom 90% out of all ranked values in a list]. 2nd round of tests: up to 11ppb, compared to EPA's action level of 15ppb. Corrosion control treatment [a means of reducing lead concentrations in the water]. There were also issues reported involving the color, odor, and taste of Flint water. Virginia Tech Pb testing Sept 5 [?], 2015, with Pb advisory issued by Flint. Fall 2015 schools testing and actions required. Some fixtures and fountains above 100ppb. 4 samples per sampling point, after different flush times, 10 consecutive 1liter samples, 200-300 samples total per facility [math not exact, must be estimates], Info placed into spreadsheets and reports. Oct. 15 Flint switched back to DWSD water. Dec. 9, 2015 supplemental phosphate [PO] addition began. Use of erosion controls do slow but do not stop the leaching process (of lead into the water). Any resident of Flint can obtain a bottle and take water samples in for testing; results posted online. Water filters are available for free. Overall slight downward Pb trend, but some values are well over 100ppb. One child care facility measured at 2500ppb. No historical test results there [in schools] to compare with, but some historical data exists elsewhere to compare. [No mention of the comparisons themselves.] Not a problem only of Flint's, increasing recognition of problem more broadly. "Low-lead brass fixtures" could still have as much as 8% lead. [not sure whether he said this or Dr. Wells]

Dr. Wells: Excavation and manipulation of lead lines tends to exacerbate particulate levels.\

Capt. K: Everyone review the MEMP to look for relevant information. All info to go out through PIOs (except for internal coordination and calculations).

Richard [Thelen?] of DHHS: allocation to buy water and filters, 2 pick-up locations in Genesee – free filters [locations not specified, are they at DHHS offices?]. Water purchases from South Carolina.

Brad [Deacon?] of MDARD: Food services, processing, and restaurants are also of interest. Lead affects animals as it does humans, so companion animals may be affected.

??? of the Dept of Education? "DEA" or "DoA"? [people were not introduced properly!] said something about school meals.

ARC not yet involved at this point.

LARA helped DEQ with testing. Flint & Genesee oversee their won plumbing but lack inspectors – need assist from state (Capt: or through EMAC use)

Terrace Room to be used as initial JIC, with PIOs there.

Governor's Representative [name?]: pending lawsuit against governor, potential lawsuit under Safe Drinking Water Act. Everyone do your jobs, but take care, remembering litigation potential.

MDOT [Eileen Phifer?]: Many pipes are under roads and so coordination would be good; shared objectives probably exist w MDOT, EPA, etc.

Lt. BJ Roach, MSP: Genesee Co. Public Health Dept, GCARP [??] (public assistance forum) are involved: water distribution, filter distribution, education, Pb testing clinics (coordinated with DHHS), United Way, Flint Health Dept. Over 23K filters and replacement cartridges provided so far. County GIS getting under way – coord w MSP GIS?

Capt K: submit action items to Tom Weber for IAP. Everyone stay until noon and review MEMP, then to decide whether needed after lunch today.

Tony: Required agencies already known to be needed to stay: MDEQ, DHHS, Education, Talent & Economic Growth, MDTMB, MDARD.

Objectives and Tactics

1. **Activate the State Recovery Task Force (SRTF). (Operations Section Chief)**
   A. Identify and obtain approval for assignment of Task Force Leader. (Operations Chief)
   B. Task Force leader will provide recommendations and obtain approval for Task Force membership. (MDHS SEMC)
   C. State Recovery Task Force shall determine mission and establish means to provide support as needed. (MDHS SEMC)

2. **Establish and maintain coordination between the City of Flint, Genesee County, state and federal agencies, and appropriate medical experts. (Operations Section Chief)**
   A. Request and establish FEMA LNO in the SEOC to support liaison with other federal agencies (State Director)
   B. Establish Recovery Branch within the Operations Section. (OSC)
   C. Maintain daily SEOC briefing with state agencies. (PSC)
   D. Establish and maintain routine calls with local emergency manager and EMHSD District Coordinator. (State Director)

3. **Obtain and maintain situational awareness and common operating picture of all activities. (PSC)**
   A. Conduct daily briefings with state agency emergency managers. (PSC)
   B. Monitor MICIMS. (All)
   C. Produce maps to include water filter, pitcher and filter distribution, affected areas and infrastructure, and method of distribution. (GIS)
   D. Complete and produce daily situation reports. (PSC)

4. **Establish SEOC operational period and hours of operations. (State Director) – Completed.**
   A. Operation Period has been established as well as SEOC operational hours
   B. Review weekly for alteration of same

5. **Investigate and identify all available programs for assistance with direct or related impacts, including the federal Lead Pipe Replacement Program. (Recovery Branch Director - RBD)**
   A. Identify agencies to research potential assistance programs (RBD)
   B. Named agencies will research programs and determine eligibility guidelines, benefits, application process, contacts, etc. (RBD)
   C. Provide written report to Operations Section Chief as to program availability. (RBD)

6. **Develop a comprehensive GIS strategy. (GIS)**
   A. Identify critical needs for maps and overlays. (GIS)
   B. Identify current and potential resources for data collection. (GIS)
   C. Contact and coordinate with identified agencies to obtain and centrally locate all data. (GIS)
   D. Provide spatial analytics in support of SEOC. (GIS)

7. **Coordinate response and recovery activities with MIVOAD and identify potential mission areas. (RBD)**
   A. Establish Recovery Branch. (OSC)
   B. Gather and compile available resources. (RBD)
   C. Gather and compile available assistance programs. (RBD)
   D. Determine resources already provided to affected area in response to emergency. (RBD)

10. **Establish and coordinate routine communication between SMEs and coordinate technical assistance among state agencies and to local agencies**. (OSC)
    A. Identify subject matter experts (Dr. Wells, Dr. Mona Hatta-Attisha, George Krisztian). (OSC)
    B. Establish and coordinate routine communication between SME's. (OSC)

11. **Provide technical assistance to the local Damage Assessment process. (RBD)**
    A. Establish Recovery Branch. (OSC)
    B. Provide templates and information as to requirements of damage assessment reports. (RBD)
    C. Conduct daily conference calls with local emergency manager and EMHSD District Coordinator to assess progress and obtain updates. (RBD)

D. Coordinate daily communication with the District Coordinator and GIS Unit Leader to monitor progress and document data. (RBD)

12. Establish a Joint Information Center (JIC) and develop a public information strategy. (PIO)

A. State agency PIO's meet to determine needs and strategy for public information dissemination. (PIO)
B. Determine technical needs for on-site JIC. (PIO)
C. Coordinate with local (County/City) JIC. (PIO)
D. Determine need to co-locate state and local JIC. (PIO)
E. If the need to relocate the JIC is identified, establish location and logistical needs. (PIO)

13. Monitor MI CIMS for resource requests and address as appropriate. (LSC)

A. Monitor and assist with input of resource requests. (LSC)
B. Review requests and review with command to receive approval to assign and fill requests. (LSC)
C. Track resources provided to date and those provided throughout the course of this event. (PSC)

14. Establish and disseminate cost center information for the incident. (FSC)

A. Establish Index/PCA. - Complete
B. Distribute information to state agencies. – Complete
C. Track costs related to this emergency. (FSC)